

January 18, 2021

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. ER08-1178-000 and EL08-88-000  
November 2021 Exceptional Dispatch Reports (Charts 1 and 2)**

Dear Secretary Bose:

The California Independent System Operator Corporation (CAISO) submits both its November 2021 (Chart 1) and November 2021 (Chart 2) Exceptional Dispatch reports as required by the Commission in the September 2, 2009 and May 4, 2010 orders. Because the necessary information is available, the CAISO is issuing the Chart 1 and Chart 2 reports on the 15<sup>th</sup> of the month. Previously, the Chart 2 report was filed on the 30<sup>th</sup> of the month.

Each report provides information that the Commission directed be included, as set forth in the September 2, 2009 and May 4, 2010 orders. The Chart 1 report (Attachment A), includes exceptional dispatch information except for cost data and the degree of mitigation and price impact analyses. The Chart 2 report (Attachment B), includes all of the information in the Chart 1 report as well as cost data and the degree of mitigation and price impact analyses.

Respectfully submitted,

**By: /s/ Sidney Mannheim**

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**ATTACHMENT A**

**November 2021 Exceptional Dispatch Report  
Chart 1 data**



# **Exceptional Dispatch Report**

## **Table 1: November 2021**

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## Introduction

This report is filed pursuant to FERC's September 2, 2009, and May 4, 2010, orders in Docket No. ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15<sup>th</sup> of each month and one originally issued on the 30<sup>th</sup> of each month. Both Table 1 and Table 2 reports will be issued on the 15<sup>th</sup> of each month due to the availability of necessary data. This report provides data on the frequency and reasons for Exceptional Dispatches issued in November 2021.

## The Nature of Exceptional Dispatch

The CAISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, which may also include a post-day-ahead unit commitment, or a real-time exceptional dispatch.<sup>1</sup> A pre-day-ahead commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the day-ahead market. A post-day-ahead market commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the real-time market. A real-time exceptional dispatch instruction is a dispatch of a resource at or above its physical minimum operating point. A real-time exceptional dispatch above the resource day-ahead award is an incremental exceptional dispatch instruction and an exceptional dispatch below the day-ahead award is a decremental dispatch instruction.

The CAISO issues exceptional dispatch instructions to maintain the reliability of the grid when the market software cannot do so. Whenever the CAISO issues an exceptional dispatch instruction, the operator logs the dispatch and the associated reason.

Many of the exceptional dispatches listed below in Table 1, were to satisfy either a local area or system reliability requirements, and are classified into local generation requirements, transmission management requirements, non-modeled transmission outages or other non-modeled constraints or requirements and intertie emergency assistance. All of the transmission procedures are available on the CAISO website.<sup>2</sup>

The following reason for exceptional dispatch instructions in November 2021 was not related to generation or transmission operating procedures: Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the CAISO software does not handle multi day commitment. For instance, a

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<sup>1</sup> The CAISO can issue exceptional dispatch instructions subject to authority of the CAISO Tariff Section 34.11 and in accordance with CAISO Operating Procedure 2330 (formerly M-402).

<sup>2</sup> A list of all of the CAISO's publicly available Operating Procedures are available at the following link: <http://www.caiso.com/thegrid/operations/opsdoc/index.html>.

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 CAISO issues an exceptional dispatch to commit this resource in 2400 so 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. Interconnection Reliability Operating Limits (IROL) are system operating limits that are established to prevent instability, uncontrolled separation or cascading as described in operating procedure 3100. System Operating Limit (SOL) are the facility ratings, system voltage limits, transient stability limits, and voltage stability limits that are used in the operating horizon – any of which can be the most restrictive limit at any point in time, pre – or post – contingency. Control Point (CP) are imposed to protect the area transmission network against N – 1 contingencies. There were a few other reasons used to explain exceptional dispatch instructions in November 2021, which are self-explanatory.

The data in Table 1 is based on a template specified in the September 2009 order.<sup>3</sup> Each entry in Attachment A 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; and (6) End Time.

The MW column shows the range of exceptional dispatch instructions in MW for the classification. The Commitment column specifies if there was a unit commitment for the classification. The INC/DEC column specifies if there was an incremental dispatch or a decremental dispatch from the IFM schedule. The Begin Time column shows the start of exceptional dispatch for the classification and the End Time column shows the end of exceptional dispatch for the classification. The column Hours is the difference between end time and begin time rounded up to the next hour. The data shown is further explained by way of example in Attachment A.

Table 1 indicates there were 205 exceptional dispatches in November 2021, as compared to 212 exceptional dispatches in October 2021. Exceptional dispatches issued for the following reasons accounted for approximately 78

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<sup>3</sup> The data in Table 1 is principally SLIC information supplemented with data from the Market Quality System (MQS). It is the most accurate currently available and it is worth noting that this data has been through the T+38B initial statement process wherein many unresolved issues are fixed. The CAISO believes that this data will correlate well with the settlements data that will be available when the CAISO files the Table 2 report for the reporting period.

percent of the total exceptional dispatches during the reporting period: planned transmission outages, unit testing, and voltage support. Exceptional dispatches with the reason “Reliability Assessment” were due to Real Time Contingency Analysis, Voltage Stability Analysis, and operating procedure number 7110 (along with 7720). Reliability Assessment is the reason as explained in the operator procedure 2330C<sup>4</sup> that encompasses Control Point (CP), Interconnection Reliability Operating Limit (IROL), System Operating Limit (SOL) and congestion related EDs. This reason is used to mitigate reliability issues identified through the real – time assessment tools such as Real Time Contingency Analysis (RTCA), Voltage Stability Analysis (VSA), Dynamic Stability Analysis (DSA) and/or Operating Procedure (OP) or offline study.

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<sup>4</sup> The operator procedure 2330C - <http://www.caiso.com/Documents/2330C.pdf>.

**Table 1: Exceptional Dispatches in November 2021**

**California Independent System Operator Corporation  
Exceptional Dispatch Report  
January 18, 2022**

**Chart 1: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	Conditions beyond the control of the CAISO	PGAE	Fresno	11/13/2021	400	No	INC	1	15:50	16:00
2	RT	Conditions beyond the control of the CAISO	SCE	LA Basin	11/1/2021	457	No	DEC	1	9:25	9:35
3	RT	Fast Start Unit Management	SCE	LA Basin	11/15/2021	0	No	INC	1	16:30	17:00
4	RT	Load Forecast Uncertainty	PGAE	Fresno	11/22/2021	200 - 300	No	INC	2	14:20	16:00
5	RT	Load Forecast Uncertainty	SCE	LA Basin	11/18/2021	100	No	INC	4	5:30	9:00
6	RT	Load Forecast Uncertainty	SDGE	San Diego-IV	11/22/2021	300	No	INC	1	14:45	15:00
7	RT	Market Disruption	PGAE	Fresno	11/7/2021	-308	No	DEC	3	1:25	3:30
8	RT	Planned Transmission Outage	PGAE	Humboldt	11/1/2021	14 - 45	No	DEC	18	6:00	0:00
9	RT	Planned Transmission Outage	PGAE	Humboldt	11/1/2021	14 - 45	No	INC	24	0:00	0:00
10	RT	Planned Transmission Outage	PGAE	Humboldt	11/2/2021	15	No	DEC	24	0:00	0:00
11	RT	Planned Transmission Outage	PGAE	Humboldt	11/2/2021	15 - 60	No	INC	24	0:00	0:00
12	RT	Planned Transmission Outage	PGAE	Humboldt	11/3/2021	15	No	DEC	24	0:00	0:00
13	RT	Planned Transmission Outage	PGAE	Humboldt	11/3/2021	15 - 30	No	INC	24	0:00	0:00
14	RT	Planned Transmission Outage	PGAE	Humboldt	11/4/2021	15 - 30	No	DEC	24	0:00	0:00
15	RT	Planned Transmission Outage	PGAE	Humboldt	11/4/2021	15 - 30	No	INC	24	0:00	0:00
16	RT	Planned Transmission Outage	PGAE	Humboldt	11/5/2021	15	No	DEC	19	0:00	19:00
17	RT	Planned Transmission Outage	PGAE	Humboldt	11/5/2021	15	No	INC	24	0:00	0:00
18	RT	Planned Transmission Outage	PGAE	Humboldt	11/6/2021	15	No	DEC	15	9:45	0:00
19	RT	Planned Transmission Outage	PGAE	Humboldt	11/6/2021	15	No	INC	24	0:00	0:00
20	RT	Planned Transmission Outage	PGAE	Humboldt	11/7/2021	15	No	DEC	25	0:00	0:00



Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Planned Transmission Outage	PGAE	Humboldt	11/7/2021	15	No	INC	25	0:00	0:00
22	RT	Planned Transmission Outage	PGAE	Humboldt	11/8/2021	15 - 30	No	DEC	17	7:00	0:00
23	RT	Planned Transmission Outage	PGAE	Humboldt	11/8/2021	15 - 30	No	INC	24	0:00	0:00
24	RT	Planned Transmission Outage	PGAE	Humboldt	11/9/2021	15 - 30	No	DEC	20	0:00	20:00
25	RT	Planned Transmission Outage	PGAE	Humboldt	11/9/2021	14 - 30	No	INC	24	0:00	0:00
26	RT	Planned Transmission Outage	PGAE	Humboldt	11/10/2021	15 - 30	No	DEC	12	11:45	23:30
27	RT	Planned Transmission Outage	PGAE	Humboldt	11/10/2021	30	No	INC	22	0:00	22:00
28	RT	Planned Transmission Outage	PGAE	Humboldt	11/12/2021	30 - 45	No	DEC	3	13:00	16:00
29	RT	Planned Transmission Outage	PGAE	Humboldt	11/12/2021	30 - 45	No	INC	18	6:00	0:00
30	RT	Planned Transmission Outage	PGAE	Humboldt	11/13/2021	30 - 45	No	DEC	5	14:00	18:30
31	RT	Planned Transmission Outage	PGAE	Humboldt	11/13/2021	30 - 45	No	INC	14	0:00	14:00
32	RT	Planned Transmission Outage	PGAE	Humboldt	11/15/2021	45	No	DEC	9	13:00	22:00
33	RT	Planned Transmission Outage	PGAE	Humboldt	11/15/2021	30 - 45	No	INC	24	0:00	0:00
34	RT	Planned Transmission Outage	PGAE	Humboldt	11/16/2021	30 - 45	No	DEC	4	16:00	20:00
35	RT	Planned Transmission Outage	PGAE	Humboldt	11/16/2021	30 - 45	No	INC	24	0:00	0:00
36	RT	Planned Transmission Outage	PGAE	Humboldt	11/17/2021	30 - 45	No	DEC	17	4:00	21:00
37	RT	Planned Transmission Outage	PGAE	Humboldt	11/17/2021	30 - 45	No	INC	24	0:00	0:00
38	RT	Planned Transmission Outage	PGAE	Humboldt	11/18/2021	30 - 45	No	INC	24	0:00	0:00
39	RT	Planned Transmission Outage	PGAE	Humboldt	11/19/2021	30 - 45	No	INC	24	0:00	0:00
40	RT	Planned Transmission Outage	PGAE	Humboldt	11/20/2021	45	No	INC	24	0:00	0:00
41	RT	Planned Transmission Outage	PGAE	Humboldt	11/21/2021	45	No	INC	24	0:00	0:00
42	RT	Planned Transmission Outage	PGAE	Humboldt	11/22/2021	30 - 45	No	DEC	9	14:00	23:00
43	RT	Planned Transmission Outage	PGAE	Humboldt	11/22/2021	30 - 45	No	INC	24	0:00	0:00
44	RT	Planned Transmission Outage	PGAE	Humboldt	11/23/2021	30 - 45	No	INC	18	0:00	18:00
45	RT	Planned Transmission Outage	PGAE	Humboldt	11/29/2021	45	No	DEC	5	16:00	21:00
46	RT	Planned Transmission Outage	PGAE	Humboldt	11/29/2021	28 - 45	No	INC	17	7:35	0:00
47	RT	Planned Transmission Outage	PGAE	Humboldt	11/30/2021	45	No	DEC	5	16:00	21:00
48	RT	Planned Transmission Outage	PGAE	Humboldt	11/30/2021	30 - 97.62	No	INC	24	0:00	0:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
49	RT	Planned Transmission Outage	PGAE	Sierra	11/1/2021	20	No	DEC	15	8:30	23:00
50	RT	Planned Transmission Outage	PGAE	Sierra	11/1/2021	20	No	INC	4	11:00	15:00
51	RT	Planned Transmission Outage	PGAE	Sierra	11/18/2021	20	No	DEC	3	16:00	19:00
52	RT	Planned Transmission Outage	PGAE	Sierra	11/18/2021	20	No	INC	13	9:00	22:00
53	RT	Planned Transmission Outage	PGAE	Stockton	11/1/2021	55	No	DEC	2	5:00	7:00
54	RT	Planned Transmission Outage	PGAE	Stockton	11/1/2021	55	No	INC	5	0:00	5:00
55	RT	Planned Transmission Outage	PGAE	NA	11/13/2021	145 - 210	No	INC	4	11:55	15:30
56	RT	Pump Management	PGAE	Fresno	11/28/2021	0	No	INC	1	8:00	9:00
57	RT	Ramping Capacity	PGAE	Fresno	11/16/2021	83 - 200	No	INC	2	7:25	9:00
58	RT	Ramping Capacity	PGAE	Fresno	11/17/2021	83	No	DEC	1	6:55	7:00
59	RT	Ramping Capacity	PGAE	Fresno	11/17/2021	83	No	INC	2	7:00	8:30
60	RT	Ramping Capacity	SCE	LA Basin	11/17/2021	190 - 194	No	INC	4	5:00	9:00
61	RT	Ramping Capacity	SCE	LA Basin	11/20/2021	194	No	INC	4	5:30	9:00
62	RT	Ramping Capacity	SCE	LA Basin	11/22/2021	98 - 330	No	INC	7	1:00	8:00
63	RT	Reliability Assessment	PGAE	Fresno	11/7/2021	-308	No	DEC	10	1:00	9:45
64	RT	Reliability Assessment	PGAE	Humboldt	11/10/2021	30	No	DEC	7	15:10	22:00
65	RT	Reliability Assessment	PGAE	Humboldt	11/10/2021	30	No	INC	2	22:00	0:00
66	RT	Reliability Assessment	PGAE	Humboldt	11/11/2021	30	No	INC	24	0:00	0:00
67	RT	Reliability Assessment	PGAE	Humboldt	11/12/2021	30	No	INC	6	0:00	6:00
68	RT	Reliability Assessment	PGAE	Humboldt	11/13/2021	15 - 30	No	DEC	6	18:15	0:00
69	RT	Reliability Assessment	PGAE	Humboldt	11/13/2021	15 - 30	No	INC	3	21:00	0:00
70	RT	Reliability Assessment	PGAE	Humboldt	11/14/2021	15	No	DEC	6	0:00	5:30
71	RT	Reliability Assessment	PGAE	Humboldt	11/14/2021	15 - 30	No	INC	24	0:00	0:00
72	RT	Reliability Assessment	PGAE	Humboldt	11/23/2021	15	No	DEC	5	19:30	0:00
73	RT	Reliability Assessment	PGAE	Humboldt	11/23/2021	30 - 45	No	INC	6	18:00	0:00
74	RT	Reliability Assessment	PGAE	Humboldt	11/24/2021	15 - 30	No	DEC	24	0:00	0:00
75	RT	Reliability Assessment	PGAE	Humboldt	11/24/2021	15 - 30	No	INC	24	0:00	0:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
76	RT	Reliability Assessment	PGAE	Humboldt	11/25/2021	15	No	DEC	9	0:00	8:15
77	RT	Reliability Assessment	PGAE	Humboldt	11/25/2021	30	No	INC	16	8:15	0:00
78	RT	Reliability Assessment	PGAE	Humboldt	11/26/2021	15 - 30	No	INC	24	0:00	0:00
79	RT	Reliability Assessment	PGAE	Humboldt	11/27/2021	15	No	INC	24	0:00	0:00
80	RT	Reliability Assessment	PGAE	Humboldt	11/28/2021	15	No	INC	18	0:00	17:45
81	RT	Reliability Assessment	SCE	NA	11/16/2021	420	No	DEC	2	19:55	21:00
82	RT	Reliability Assessment	SCE	NA	11/19/2021	450	No	INC	5	19:20	0:00
83	RT	Reliability Assessment	SCE	NA	11/20/2021	450	No	INC	24	0:00	0:00
84	RT	Reliability Assessment	SCE	NA	11/21/2021	450	No	INC	2	0:00	2:00
85	RT	Software Limitation	PGAE	Fresno	11/7/2021	0	No	INC	1	9:45	10:45
86	RT	Software Limitation	PGAE	Fresno	11/15/2021	83	No	INC	1	7:10	8:00
87	RT	Software Limitation	PGAE	NA	11/3/2021	0	No	INC	1	19:35	20:00
88	RT	Software Limitation	PGAE	NA	11/25/2021	10	No	DEC	4	16:20	20:00
89	RT	Software Limitation	PGAE	NA	11/25/2021	10	No	INC	2	20:00	22:00
90	RT	Software Limitation	SCE	LA Basin	11/7/2021	385	No	DEC	1	1:40	2:30
91	RT	Unit Testing	Intertie	NA	11/1/2021	25 - 127	Yes	INC	24	0:00	0:00
92	RT	Unit Testing	Intertie	NA	11/2/2021	25 - 130	Yes	INC	24	0:00	0:00
93	RT	Unit Testing	Intertie	NA	11/3/2021	17 - 140	Yes	INC	24	0:00	0:00
94	RT	Unit Testing	Intertie	NA	11/4/2021	20 - 145	Yes	INC	24	0:00	0:00
95	RT	Unit Testing	Intertie	NA	11/5/2021	50 - 130	No	INC	10	7:00	17:00
96	RT	Unit Testing	Intertie	NA	11/6/2021	13 - 135	Yes	INC	24	0:00	0:00
97	RT	Unit Testing	Intertie	NA	11/7/2021	5 - 140	Yes	INC	25	0:00	0:00
98	RT	Unit Testing	Intertie	NA	11/8/2021	11 - 140	Yes	INC	24	0:00	0:00
99	RT	Unit Testing	Intertie	NA	11/9/2021	25 - 130	Yes	INC	24	0:00	0:00
100	RT	Unit Testing	Intertie	NA	11/10/2021	25 - 130	No	INC	24	0:00	0:00
101	RT	Unit Testing	Intertie	NA	11/11/2021	25 - 130	Yes	INC	24	0:00	0:00
102	RT	Unit Testing	Intertie	NA	11/12/2021	14 - 130	Yes	INC	24	0:00	0:00
103	RT	Unit Testing	Intertie	NA	11/13/2021	13 - 128	No	INC	24	0:00	0:00
104	RT	Unit Testing	Intertie	NA	11/14/2021	20 - 130	No	INC	24	0:00	0:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
105	RT	Unit Testing	Intertie	NA	11/15/2021	18 - 125	No	INC	24	0:00	0:00
106	RT	Unit Testing	Intertie	NA	11/16/2021	25 - 167	No	INC	24	0:00	0:00
107	RT	Unit Testing	Intertie	NA	11/17/2021	20 - 137	No	INC	24	0:00	0:00
108	RT	Unit Testing	Intertie	NA	11/18/2021	22 - 110	No	INC	24	0:00	0:00
109	RT	Unit Testing	Intertie	NA	11/19/2021	9 - 115	No	INC	24	0:00	0:00
110	RT	Unit Testing	Intertie	NA	11/20/2021	25 - 170	No	INC	24	0:00	0:00
111	RT	Unit Testing	Intertie	NA	11/21/2021	20 - 125	No	INC	24	0:00	0:00
112	RT	Unit Testing	Intertie	NA	11/22/2021	22 - 170	No	INC	24	0:00	0:00
113	RT	Unit Testing	Intertie	NA	11/23/2021	58 - 120	No	INC	4	7:00	11:00
114	RT	Unit Testing	Intertie	NA	11/24/2021	20 - 145	No	INC	10	6:00	16:00
115	RT	Unit Testing	Intertie	NA	11/25/2021	20 - 145	No	INC	9	6:00	15:00
116	RT	Unit Testing	Intertie	NA	11/26/2021	125	No	INC	9	7:00	16:00
117	RT	Unit Testing	Intertie	NA	11/27/2021	125	No	INC	9	7:00	16:00
118	RT	Unit Testing	Intertie	NA	11/29/2021	125	No	INC	10	7:00	17:00
119	RT	Unit Testing	Intertie	NA	11/30/2021	20 - 180	No	INC	18	6:00	0:00
120	RT	Unit Testing	PGAE	Fresno	11/2/2021	26	No	INC	1	20:15	20:45
121	RT	Unit Testing	PGAE	Fresno	11/11/2021	83	No	DEC	2	16:00	17:30
122	RT	Unit Testing	PGAE	Fresno	11/11/2021	83	No	INC	4	12:10	16:00
123	RT	Unit Testing	PGAE	Fresno	11/20/2021	26.06	No	INC	1	12:25	13:10
124	RT	Unit Testing	SCE	Big Creek-Ventura	11/20/2021	11	No	INC	1	19:20	19:50
125	RT	Unit Testing	SCE	LA Basin	11/10/2021	20	No	INC	1	11:25	11:55
126	RT	Unit Testing	SCE	LA Basin	11/20/2021	48.49	No	INC	1	15:25	16:00
127	RT	Unit Testing	SCE	LA Basin	11/23/2021	49	No	INC	1	12:10	12:55
128	RT	Unit Testing	SCE	NA	11/2/2021	225	No	INC	3	11:45	14:00
129	RT	Unit Testing	SDGE	San Diego-IV	11/20/2021	24	No	INC	1	22:10	22:40
130	RT	Unplanned Outage	PGAE	Bay Area	11/4/2021	140	No	INC	8	5:00	13:00
131	RT	Unplanned Outage	PGAE	Fresno	11/13/2021	83	No	INC	1	4:05	5:00
132	RT	Unplanned Outage	PGAE	NA	11/4/2021	62	No	INC	6	4:20	10:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
133	RT	Unplanned Outage	PGAE	NA	11/30/2021	0	No	DEC	1	15:25	16:25
134	RT	Voltage Support	PGAE	Bay Area	11/13/2021	142	No	DEC	1	22:45	23:00
135	RT	Voltage Support	PGAE	Bay Area	11/13/2021	142	No	INC	1	23:00	0:00
136	RT	Voltage Support	PGAE	Bay Area	11/14/2021	142	No	INC	7	0:00	7:00
137	RT	Voltage Support	PGAE	Fresno	11/1/2021	-310	No	DEC	6	0:00	6:00
138	RT	Voltage Support	PGAE	Fresno	11/3/2021	83	No	INC	2	4:30	6:00
139	RT	Voltage Support	PGAE	Fresno	11/5/2021	-308	No	DEC	2	4:10	5:30
140	RT	Voltage Support	PGAE	Fresno	11/7/2021	83	Yes	INC	9	15:30	0:00
141	RT	Voltage Support	PGAE	Fresno	11/8/2021	-308	No	DEC	5	0:30	5:30
142	RT	Voltage Support	PGAE	Fresno	11/14/2021	-310 -- 306	No	DEC	22	1:50	23:45
143	RT	Voltage Support	PGAE	Fresno	11/15/2021	-308	No	DEC	2	4:10	6:00
144	RT	Voltage Support	PGAE	Fresno	11/24/2021	-309	No	DEC	5	0:05	5:00
145	RT	Voltage Support	PGAE	Fresno	11/25/2021	-309	No	DEC	1	23:40	23:45
146	RT	Voltage Support	PGAE	Fresno	11/25/2021	83	No	INC	1	23:55	0:00
147	RT	Voltage Support	PGAE	Fresno	11/26/2021	83	No	DEC	1	16:00	17:00
148	RT	Voltage Support	PGAE	Fresno	11/26/2021	83	No	INC	16	0:00	16:00
149	RT	Voltage Support	PGAE	Fresno	11/27/2021	83	No	INC	24	0:10	0:00
150	RT	Voltage Support	PGAE	Fresno	11/28/2021	83	No	INC	9	0:00	8:25
151	RT	Voltage Support	PGAE	Fresno	11/29/2021	-309	No	DEC	6	0:30	5:45
152	RT	Voltage Support	PGAE	Fresno	11/29/2021	83	No	INC	1	6:00	7:00
153	RT	Voltage Support	PGAE	Humboldt	11/5/2021	30	No	DEC	8	16:00	0:00
154	RT	Voltage Support	PGAE	Humboldt	11/5/2021	30	No	INC	9	7:20	16:00
155	RT	Voltage Support	PGAE	Humboldt	11/6/2021	30	No	DEC	4	18:15	22:00
156	RT	Voltage Support	PGAE	Humboldt	11/6/2021	30	No	INC	24	0:00	23:45
157	RT	Voltage Support	PGAE	Humboldt	11/8/2021	15	No	DEC	8	0:00	8:00
158	RT	Voltage Support	PGAE	Humboldt	11/28/2021	15 - 30	No	INC	7	17:20	0:00
159	RT	Voltage Support	PGAE	Humboldt	11/29/2021	15 - 30	No	INC	8	0:00	7:35
160	RT	Voltage Support	PGAE	Sierra	11/1/2021	20	No	DEC	5	5:00	10:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
161	RT	Voltage Support	PGAE	Sierra	11/1/2021	20 - 42	No	INC	24	0:00	0:00
162	RT	Voltage Support	PGAE	Sierra	11/2/2021	20	No	DEC	1	7:00	8:00
163	RT	Voltage Support	PGAE	Sierra	11/2/2021	20 - 42	No	INC	24	0:00	0:00
164	RT	Voltage Support	PGAE	Sierra	11/3/2021	20	No	DEC	2	6:00	8:00
165	RT	Voltage Support	PGAE	Sierra	11/3/2021	20 - 42	No	INC	24	0:00	0:00
166	RT	Voltage Support	PGAE	Sierra	11/4/2021	20	No	DEC	4	18:30	22:00
167	RT	Voltage Support	PGAE	Sierra	11/4/2021	20 - 42	Yes	INC	24	0:00	0:00
168	RT	Voltage Support	PGAE	Sierra	11/5/2021	20	Yes	DEC	2	6:00	8:00
169	RT	Voltage Support	PGAE	Sierra	11/5/2021	20	Yes	INC	6	0:00	6:00
170	RT	Voltage Support	PGAE	Sierra	11/6/2021	21	No	DEC	14	6:00	20:00
171	RT	Voltage Support	PGAE	Sierra	11/6/2021	20 - 40	No	INC	23	1:30	0:00
172	RT	Voltage Support	PGAE	Sierra	11/7/2021	20 - 21	No	DEC	5	16:00	21:00
173	RT	Voltage Support	PGAE	Sierra	11/7/2021	20 - 40	No	INC	25	0:00	0:00
174	RT	Voltage Support	PGAE	Sierra	11/8/2021	40	No	DEC	2	0:00	1:30
175	RT	Voltage Support	PGAE	Sierra	11/8/2021	20 - 42	No	INC	24	0:00	0:00
176	RT	Voltage Support	PGAE	Sierra	11/9/2021	20	No	DEC	2	5:00	7:00
177	RT	Voltage Support	PGAE	Sierra	11/9/2021	20 - 42	No	INC	24	0:00	0:00
178	RT	Voltage Support	PGAE	Sierra	11/10/2021	20	No	DEC	17	5:00	22:00
179	RT	Voltage Support	PGAE	Sierra	11/10/2021	20 - 42	Yes	INC	24	0:00	0:00
180	RT	Voltage Support	PGAE	Sierra	11/11/2021	20	No	DEC	5	15:00	20:00
181	RT	Voltage Support	PGAE	Sierra	11/11/2021	20 - 42	No	INC	24	0:00	0:00
182	RT	Voltage Support	PGAE	Sierra	11/12/2021	20	Yes	INC	24	0:00	0:00
183	RT	Voltage Support	PGAE	Sierra	11/13/2021	20	No	DEC	14	6:00	20:00
184	RT	Voltage Support	PGAE	Sierra	11/13/2021	20 - 40	No	INC	24	0:00	0:00
185	RT	Voltage Support	PGAE	Sierra	11/14/2021	20 - 40	No	DEC	20	0:00	20:00
186	RT	Voltage Support	PGAE	Sierra	11/14/2021	20	Yes	INC	24	0:00	0:00
187	RT	Voltage Support	PGAE	Sierra	11/15/2021	20	Yes	DEC	1	6:00	7:00
188	RT	Voltage Support	PGAE	Sierra	11/15/2021	20	Yes	INC	24	0:00	0:00
189	RT	Voltage Support	PGAE	Sierra	11/16/2021	20	No	DEC	2	6:00	8:00

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
190	RT	Voltage Support	PGAE	Sierra	11/16/2021	20	No	INC	6	0:00	6:00
191	RT	Voltage Support	PGAE	Sierra	11/17/2021	20	No	DEC	6	16:00	22:00
192	RT	Voltage Support	PGAE	Sierra	11/17/2021	20	No	INC	19	4:05	23:00
193	RT	Voltage Support	PGAE	Sierra	11/20/2021	20	No	INC	18	6:30	0:00
194	RT	Voltage Support	PGAE	Sierra	11/21/2021	20	No	INC	24	0:00	0:00
195	RT	Voltage Support	PGAE	Sierra	11/22/2021	20	No	INC	24	0:00	0:00
196	RT	Voltage Support	PGAE	Sierra	11/23/2021	20	No	INC	24	0:00	0:00
197	RT	Voltage Support	PGAE	Sierra	11/24/2021	20	No	INC	24	0:00	0:00
198	RT	Voltage Support	PGAE	Sierra	11/25/2021	20	No	INC	24	0:00	0:00
199	RT	Voltage Support	PGAE	Sierra	11/26/2021	20	No	INC	24	0:00	0:00
200	RT	Voltage Support	PGAE	Sierra	11/27/2021	20	No	INC	24	0:00	0:00
201	RT	Voltage Support	PGAE	Sierra	11/28/2021	40	No	DEC	1	5:40	6:00
202	RT	Voltage Support	PGAE	Sierra	11/28/2021	20 - 40	No	INC	24	0:00	0:00
203	RT	Voltage Support	PGAE	Sierra	11/29/2021	20 - 40	No	INC	24	0:00	0:00
204	RT	Voltage Support	PGAE	Sierra	11/30/2021	40	No	DEC	6	0:00	6:00
205	RT	Voltage Support	PGAE	Sierra	11/30/2021	20 - 40	No	INC	24	0:00	0:00

## Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

### Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example, the CAISO issued an exceptional dispatch instruction for resource A to be committed at its physical minimum (Pmin) of 50 MW from hours ending 5 through 10 for a generation procedure 7630. Similarly, the CAISO 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. Here the dispatch levels are all at minimum load.

**Table 2: Instructions Prior to Day-Ahead Market**

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Reason
01-Jul-09	DA	A	SCE	LA BASIN	05:00	10:00	50	7630
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	7630
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	7630

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. 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 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.



**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
1	DA	7630	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00

**Example 2: Incremental Exceptional Dispatch Instructions in RTM**

In this fictitious example, the CAISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure 7110. This resource had no day-ahead award in those hours. The CAISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure 7110. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C are shown in Table 4.

**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
01-Jul-09	RT	A	PG&E	Humboldt	06:00	11:00	30	0	Yes	INC	30	7110
01-Jul-09	RT	B	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	7110
01-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110
01-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110

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. 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 hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason.

**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
1	RT	7110	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	06:00	20:00

### 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 CAISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 20 MW from hours ending 15 through 20 after completion of the day-ahead market for the transmission procedure 7430. The CAISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6.

**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
01-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	7430
01-Jul-09	RT	B	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	7430
01-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	7430

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 inc and dec 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. 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.

**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
1	RT	7430	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	7430	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00

**ATTACHMENT B**

**November 2021 Exceptional Dispatch Report  
Chart 2 data**



# **Exceptional Dispatch Report**

## **Table 2: November 2021**

Market Analysis and Forecasting

January 18, 2022

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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 15<sup>th</sup> of each month and one originally issued on the 30<sup>th</sup> of each month. Both Table 1 and Table 2 reports will be issued on the 15<sup>th</sup> of each month due to the availability of necessary data. This report provides data on the frequency, reasons and costs for Exceptional Dispatches issued in November 2021.

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 mitigation analysis for November 2021 required by section 34.11.4 of the CAISO tariff. This analysis compares those Exceptional Dispatches subject to bid mitigation (*i.e.* Exceptional Dispatches to address noncompetitive constraints and Delta Dispatch), and determines 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 CAISO 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. A real-time exceptional dispatch above the resource’s day-ahead award is an incremental exceptional dispatch instruction and a real-time exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction. The CAISO issues exceptional dispatch instructions to maintain the reliability of the grid when the market software cannot do so. Whenever the CAISO issues an exceptional dispatch instruction, the operator logs the dispatch and the associated reason. 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 CAISO issues an exceptional dispatch instruction, the operators log these instructions and the associated reason for each instruction.

Most of the generation procedures are internal to the CAISO and not available publicly on the CAISO website; however, all of the transmission procedures are available on the CAISO website.<sup>1</sup>

Additional reasons for exceptional dispatch instructions in 2021 include Software Limitation. Software Limitation is used when an exceptional dispatch instruction was issued to bridge schedules across days for resources with a minimum down time of 24 hours, as the CAISO 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 CAISO issues an exceptional dispatch to commit this resource in 2400 so it can be dispatched economically in the following day. Software Limitation 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. Interconnection Reliability Operating Limits (IROL) are system operating limits that are established to prevent instability, uncontrolled separation or cascading as described in operating procedure 3100. System Operating Limit (SOL) are the facility ratings, system voltage limits, transient stability limits, and voltage stability limits that are used in the operating horizon – any of which can be the most restrictive limit at any point in time, pre – or post – contingency. Control Point (CP) are imposed to protect the area transmission network against N – 1 contingencies. There were a few other reasons used to explain exceptional dispatch instructions in November, which are self-explanatory.

The data in Table 1 is based on a template specified in the September 2009 order.<sup>2</sup> This table contains all the information published in Table 1 of the first report for November 2021. 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:

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<sup>1</sup> A list of all of the CAISO’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>.

<sup>2</sup> 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.



- The MW column shows the range of exceptional dispatch instruction in MW for the classification.
- The Commitment column specifies if there was a unit commitment for the classification.
- The INC/DEC/NA column specifies if there was an incremental dispatch (INC), a decremental dispatch (DEC), or only a unit commitment (NA). The Begin Time and End Time columns show the start and end time of exceptional dispatch for the classification respectively.
- The Hours column is the time difference between begin time and end time rounded up to the next hour.
- The total volume column shows the total MWh dispatch quantity dispatched for that classification. This quantity includes the minimum load quantity, the imbalance energy quantity, and the exceptional dispatch quantity.
- The Min-Load Cost column shows eligible minimum load cost for the classification.
- The Start-Up Cost column shows the eligible start up cost for the classification. The CAISO 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.<sup>3</sup>
- The CC6470 column shows the total imbalance energy costs for the classification. This cost contains the portion of exceptional dispatch instruction settled as optimal energy due to its bid price being less than the LMP in the relevant settlement interval.
- The ED Volume MWh (MWh INC/DEC) column shows the incremental or the decremental portion of the real-time exceptional dispatch MWh for the classification. The CC6470-INC shows that portion of incremental exceptional dispatch instruction settled at the resource LMP.
- The CC6470-DEC column shows that portion of decremental exceptional dispatch instruction settled at the resource specific LMP. Both these charge codes are portions of the real-time instructed imbalance energy charge code (6470).<sup>4</sup>
- The CC6482 column shows the real-time excess cost for the classification.<sup>5</sup>
- The CC6488 column shows the real-time exceptional dispatch uplift settlement for the classification.<sup>6</sup> The CC6620 shows the bid cost recovery payment for the classification. This cost is shown for all pre-day-ahead unit commitments only.

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<sup>3</sup> For further details regarding the Bid Cost Recovery process please refer to section 11.8 of the CAISO tariff.

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

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

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

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

Exceptional dispatches issued for the following reasons accounted for approximately 78 percent of the total exceptional dispatches during the reporting period: planned transmission outages, unit testing, and voltage support. Exceptional dispatches with the reason “Reliability Assessment” were due to Real Time Contingency Analysis, Voltage Stability Analysis, and operating procedure number 7110 (along with 7720). Reliability Assessment is the reason as explained in the operator procedure 2330C that encompasses Control Point (CP), Interconnection Reliability Operating Limit (IROL), System Operating Limit (SOL) and congestion related EDs. This reason is used to mitigate reliability issues identified through the real – time assessment tools such as Real Time Contingency Analysis (RTCA), Voltage Stability Analysis (VSA), Dynamic Stability Analysis (DSA) and/or Operating Procedure (OP) or offline study.

**Table 1: Exceptional Dispatches in November 2021**

California Independent System Operator Corporation Exceptional Dispatch Report January 18, 2022																					
Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021																					
Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
1	RT	Bridging Schedules	PGAE	NA	10/1/2021	50	No	INC	3	14:55	17:00	-53.08	12305.31	1609.56	2934.22	0.00	0.00	0.00	0.00	0.00	0.00
2	RT	Fast Start Unit Management	PGAE	Bay Area	10/10/2021	0	No	INC	2	18:00	19:05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	RT	Fast Start Unit Management	PGAE	Fresno	10/1/2021	0	No	INC	17	7:50	0:00	-11.67	3500.38	0.00	0.00	-11.67	0.00	0.00	0.00	0.00	0.00
4	RT	Fast Start Unit Management	PGAE	Fresno	10/2/2021	0	No	INC	8	0:00	8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	RT	Fast Start Unit Management	SCE	LA Basin	10/1/2021	0	No	INC	17	7:50	0:00	-0.83	44.19	0.00	0.00	-0.83	0.00	0.00	0.00	0.00	0.00
6	RT	Fast Start Unit Management	SCE	LA Basin	10/2/2021	0	No	INC	8	0:00	8:00	0.83	0.00	0.00	-44.84	0.00	0.00	0.00	0.00	0.00	0.00
7	RT	Fast Start Unit Management	SCE	LA Basin	10/21/2021	0	No	INC	2	11:25	12:30	-11.39	0.00	0.00	0.00	-11.39	0.00	0.00	0.00	0.00	0.00
8	RT	Fast Start Unit Management	SDGE	San Diego-IV	10/10/2021	0	No	INC	1	18:00	19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	RT	Incomplete or Inaccurate Transmission	PGAE	Humboldt	10/3/2021	15	No	DEC	10	14:00	0:00	2.30	-9021.11	0.00	-85.45	0.00	0.00	0.00	0.00	0.00	0.00
10	RT	Incomplete or Inaccurate Transmission	PGAE	Humboldt	10/3/2021	15	No	INC	7	7:00	14:00	10.58	7419.56	0.00	-727.72	0.00	0.00	0.00	0.00	0.00	0.00
11	RT	Incomplete or Inaccurate Transmission	PGAE	Humboldt	10/4/2021	15	No	DEC	3	0:00	2:15	-0.73	0.00	0.00	53.14	0.00	0.00	0.00	0.00	0.00	0.00
12	RT	Incomplete or Inaccurate Transmission	PGAE	Humboldt	10/7/2021	15	No	DEC	3	2:30	5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	RT	Incomplete or Inaccurate Transmission	PGAE	Sierra	10/25/2021	35	No	DEC	10	9:50	19:00	-1.60	0.00	0.00	62.20	0.00	0.00	0.00	0.00	-361.72	0.00
14	RT	Incomplete or Inaccurate Transmission	PGAE	Sierra	10/25/2021	35	No	INC	7	10:00	17:00	-4.35	0.00	0.00	244.47	-0.90	0.00	69.48	0.00	-9.45	0.00
15	RT	Incomplete or Inaccurate Transmission	SCE	NA	10/28/2021	440 - 475	No	INC	2	22:10	23:45	-6.20	3493.74	0.00	350.72	0.00	0.00	0.00	0.00	0.00	0.00
16	RT	Market Disruption	PGAE	Bay Area	10/1/2021	375	No	INC	1	0:00	0:05	-14.08	0.00	0.00	793.03	-14.08	0.00	793.03	0.00	0.00	0.00
17	RT	Market Disruption	SCE	LA Basin	10/1/2021	290	No	DEC	1	0:00	0:05	-6.85	0.00	0.00	253.93	-21.67	0.00	1113.59	0.00	0.00	0.00

**California Independent System Operator Corporation  
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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
18	RT	Market Disruption	SDGE	San Diego-IV	10/1/2021	295	No	DEC	1	0:00	0:05	-16.49	0.00	0.00	748.41	-16.58	0.00	753.71	0.00	0.00	0.00
19	RT	Planned Transmission Outage	PGAE	Bay Area	10/2/2021	140	No	INC	13	2:00	15:00	-140.86	180655.06	0.00	4890.10	0.00	0.00	0.00	0.00	0.00	0.00
20	RT	Planned Transmission Outage	PGAE	Bay Area	10/12/2021	300	No	DEC	4	19:20	23:00	-131.43	-20908.95	0.00	11071.28	-120.60	0.00	8238.14	0.00	-	29585.58
21	RT	Planned Transmission Outage	PGAE	Bay Area	10/12/2021	300	No	INC	1	23:00	0:00	-7.88	0.00	0.00	658.79	0.00	0.00	0.00	0.00	0.00	0.00
22	RT	Planned Transmission Outage	PGAE	Bay Area	10/13/2021	300	No	DEC	5	3:00	8:00	1.65	-3676.56	0.00	-107.55	0.00	0.00	0.00	0.00	-	13852.92
23	RT	Planned Transmission Outage	PGAE	Bay Area	10/13/2021	300	No	INC	9	0:00	9:00	-23.06	2518.04	0.00	2244.23	0.00	0.00	0.00	0.00	0.00	0.00
24	RT	Planned Transmission Outage	PGAE	Humboldt	10/1/2021	30 - 45	No	INC	24	0:00	0:00	4.32	99854.87	0.00	-3031.26	-1.33	0.00	62.51	0.00	-17.80	0.00
25	RT	Planned Transmission Outage	PGAE	Humboldt	10/2/2021	30	No	INC	24	0:00	0:00	1.44	63827.20	0.00	-172.01	0.00	0.00	0.00	0.00	0.00	0.00
26	RT	Planned Transmission Outage	PGAE	Humboldt	10/4/2021	15 - 45	No	DEC	19	5:25	0:00	7.97	-6987.12	975.18	-657.48	0.00	0.00	0.00	0.00	0.00	0.00
27	RT	Planned Transmission Outage	PGAE	Humboldt	10/4/2021	45	No	INC	8	6:00	14:00	35.77	14268.44	719.39	-3262.77	0.00	0.00	0.00	0.00	0.00	0.00
28	RT	Planned Transmission Outage	PGAE	Humboldt	10/5/2021	30 - 45	No	INC	24	0:00	0:00	-0.15	109524.38	0.00	8.22	0.00	0.00	0.00	0.00	0.00	0.00
29	RT	Planned Transmission Outage	PGAE	Humboldt	10/6/2021	15	No	DEC	23	1:30	0:00	-9.49	-4784.28	0.00	669.89	0.00	0.00	0.00	0.00	0.00	0.00
30	RT	Planned Transmission Outage	PGAE	Humboldt	10/6/2021	15 - 30	No	INC	24	0:00	0:00	-4.20	32603.26	0.00	237.53	0.00	0.00	0.00	0.00	0.00	0.00
31	RT	Planned Transmission Outage	PGAE	Humboldt	10/7/2021	15	No	DEC	3	0:00	2:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	RT	Planned Transmission Outage	PGAE	Humboldt	10/7/2021	15 - 60	No	INC	24	0:00	0:00	17.06	53757.64	0.00	-1076.74	-3.76	0.00	246.66	0.00	-89.80	0.00
33	RT	Planned Transmission Outage	PGAE	Humboldt	10/8/2021	45 - 60	No	INC	24	0:00	0:00	8.45	71309.49	0.00	-495.98	0.00	0.00	0.00	0.00	0.00	0.00
34	RT	Planned Transmission Outage	PGAE	Humboldt	10/9/2021	45	No	INC	24	0:00	0:00	-1.27	55598.16	0.00	-42.78	0.00	0.00	0.00	0.00	-58.33	0.00
35	RT	Planned Transmission Outage	PGAE	Humboldt	10/10/2021	30 - 45	No	INC	24	0:00	0:00	-2.52	28667.72	0.00	206.63	0.00	0.00	0.00	0.00	-14.77	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
36	RT	Planned Transmission Outage	PGAE	Humboldt	10/11/2021	30	No	INC	9	0:00	8:30	3.93	9845.47	0.00	-253.65	0.00	0.00	0.00	0.00	0.00	0.00
37	RT	Planned Transmission Outage	PGAE	Humboldt	10/15/2021	45	No	DEC	7	9:10	15:45	-0.72	0.00	0.00	35.22	0.00	0.00	0.00	0.00	0.00	0.00
38	RT	Planned Transmission Outage	PGAE	Humboldt	10/15/2021	45	No	INC	2	7:30	9:30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	RT	Planned Transmission Outage	PGAE	Humboldt	10/16/2021	15 - 30	No	DEC	9	15:00	0:00	-0.98	-16861.48	403.37	127.23	-1.56	0.00	122.55	0.00	-230.35	0.00
40	RT	Planned Transmission Outage	PGAE	Humboldt	10/16/2021	30	No	INC	18	6:15	0:00	13.68	29708.28	1714.32	-1081.77	0.00	0.00	0.00	0.00	0.00	0.00
41	RT	Planned Transmission Outage	PGAE	Humboldt	10/17/2021	15	No	DEC	11	0:00	11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-407.44	0.00
42	RT	Planned Transmission Outage	PGAE	Humboldt	10/17/2021	30	No	INC	24	0:00	0:00	-1.51	43313.01	0.00	-9.00	0.00	0.00	0.00	0.00	0.00	0.00
43	RT	Planned Transmission Outage	PGAE	Humboldt	10/18/2021	30	No	DEC	1	6:00	7:00	0.68	0.00	0.00	-34.64	0.00	0.00	0.00	0.00	0.00	0.00
44	RT	Planned Transmission Outage	PGAE	Humboldt	10/18/2021	30	No	INC	6	0:00	6:00	0.00	6663.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	RT	Planned Transmission Outage	PGAE	Humboldt	10/20/2021	15	No	DEC	13	6:30	18:45	-0.68	-55350.05	0.00	33.50	0.00	0.00	0.00	0.00	0.00	0.00
46	RT	Planned Transmission Outage	PGAE	Humboldt	10/30/2021	14	No	DEC	14	10:00	0:00	-3.17	-8920.18	756.02	5.81	0.00	0.00	0.00	0.00	0.00	0.00
47	RT	Planned Transmission Outage	PGAE	Humboldt	10/30/2021	14	No	INC	3	7:45	10:00	10.08	1133.15	100.80	-706.15	0.00	0.00	0.00	0.00	0.00	0.00
48	RT	Planned Transmission Outage	PGAE	Humboldt	10/31/2021	14	No	DEC	21	0:00	21:00	-1.66	-2407.27	0.00	83.37	0.00	0.00	0.00	0.00	0.00	0.00
49	RT	Planned Transmission Outage	PGAE	Humboldt	10/31/2021	14	No	INC	3	21:00	0:00	-0.23	3399.45	0.00	14.09	0.00	0.00	0.00	0.00	0.00	0.00
50	RT	Planned Transmission Outage	PGAE	Sierra	10/7/2021	20	No	INC	14	10:30	0:00	-17.91	73443.65	1238.90	750.14	0.00	0.00	0.00	0.00	0.00	0.00
51	RT	Planned Transmission Outage	PGAE	Sierra	10/8/2021	20	No	INC	24	0:00	0:00	86.51	140739.36	0.00	-16537.24	0.00	0.00	0.00	0.00	0.00	0.00
52	RT	Planned Transmission Outage	PGAE	Sierra	10/9/2021	20	No	INC	24	0:00	0:00	-63.25	143889.60	0.00	2822.29	0.00	0.00	0.00	0.00	0.00	0.00
53	RT	Planned Transmission Outage	PGAE	Sierra	10/10/2021	20	No	INC	20	0:00	19:15	-4.85	108666.62	0.00	-6065.03	-2.25	0.00	159.56	0.00	-0.28	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
54	RT	Planned Transmission Outage	PGAE	Sierra	10/12/2021	20	No	INC	16	7:15	22:30	0.00	44285.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	RT	Planned Transmission Outage	PGAE	Sierra	10/13/2021	20	No	INC	14	10:15	0:00	-19.92	8711.85	0.00	1723.72	-19.92	0.00	1723.72	0.00	-324.46	0.00
56	RT	Planned Transmission Outage	PGAE	Sierra	10/14/2021	20	Yes	INC	7	0:00	7:00	0.00	14457.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	RT	Planned Transmission Outage	PGAE	Sierra	10/15/2021	20	No	DEC	5	7:30	12:00	-69.78	0.00	0.00	4229.45	0.00	0.00	0.00	0.00	0.00	0.00
58	RT	Planned Transmission Outage	PGAE	Sierra	10/15/2021	20	No	INC	1	12:00	12:30	-1.09	0.00	0.00	73.92	0.00	0.00	0.00	0.00	0.00	0.00
59	RT	Planned Transmission Outage	PGAE	Stockton	10/16/2021	88.8	No	INC	4	12:00	16:00	-0.30	27026.00	0.00	19.98	0.00	0.00	0.00	0.00	0.00	0.00
60	RT	Planned Transmission Outage	PGAE	Stockton	10/30/2021	40 - 65	No	DEC	14	6:25	20:00	-241.71	0.00	0.00	-4898.55	-50.67	0.00	2384.01	0.00	-1721.50	0.00
61	RT	Planned Transmission Outage	PGAE	Stockton	10/30/2021	40 - 65	No	INC	9	9:00	18:00	-40.13	0.00	0.00	-12517.89	-0.63	0.00	-64.93	0.00	0.00	0.00
62	RT	Planned Transmission Outage	PGAE	Stockton	10/31/2021	55 - 75	No	DEC	17	7:20	0:00	-405.49	0.00	0.00	346.44	-37.24	0.00	1609.20	0.00	-1601.49	0.00
63	RT	Planned Transmission Outage	PGAE	Stockton	10/31/2021	65	No	INC	7	9:00	16:00	-17.66	0.00	0.00	-1730.90	0.00	0.00	0.00	0.00	0.00	0.00
64	RT	Planned Transmission Outage	PGAE	NA	10/14/2021	10	No	DEC	2	20:10	21:30	-2.87	0.00	0.00	214.21	-3.55	0.00	265.80	0.00	-384.20	0.00
65	RT	Planned Transmission Outage	SDGE	San Diego-IV	10/8/2021	36.88	No	INC	3	19:35	22:00	10.45	9247.93	0.00	-566.77	0.00	0.00	0.00	0.00	0.00	0.00
66	RT	Reliability Assessment	PGAE	Bay Area	10/12/2021	300	No	DEC	1	19:45	20:45	-54.78	0.00	0.00	3982.39	-52.50	0.00	2604.77	0.00	0.00	0.00
67	RT	Reliability Assessment	PGAE	Humboldt	10/11/2021	45	No	INC	16	8:05	0:00	7.21	36100.19	0.00	-1340.50	0.00	0.00	0.00	0.00	0.00	0.00
68	RT	Reliability Assessment	PGAE	Humboldt	10/12/2021	15 - 45	No	DEC	5	17:00	22:00	1.71	954.90	0.00	-88.22	0.00	0.00	0.00	0.00	0.00	0.00
69	RT	Reliability Assessment	PGAE	Humboldt	10/12/2021	15 - 60	No	INC	24	0:00	0:00	5.08	43286.07	0.00	-358.76	0.00	0.00	0.00	0.00	0.00	0.00
70	RT	Reliability Assessment	PGAE	Humboldt	10/13/2021	15 - 30	No	INC	24	0:00	0:00	-4.92	86373.61	0.00	180.76	0.00	0.00	0.00	0.00	0.00	0.00
71	RT	Reliability Assessment	PGAE	Humboldt	10/14/2021	45	No	DEC	15	8:00	23:00	2.39	0.00	0.00	-179.64	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
72	RT	Reliability Assessment	PGAE	Humboldt	10/14/2021	30 - 45	No	INC	24	0:00	0:00	7.99	11150.70	0.00	-863.58	0.00	0.00	0.00	0.00	0.00	0.00
73	RT	Reliability Assessment	PGAE	Humboldt	10/15/2021	30 - 45	No	DEC	17	6:00	23:00	-3.85	-9056.01	0.00	193.64	0.00	0.00	0.00	0.00	0.00	0.00
74	RT	Reliability Assessment	PGAE	Humboldt	10/15/2021	30 - 45	No	INC	24	0:00	0:00	0.00	14957.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	RT	Reliability Assessment	PGAE	Humboldt	10/16/2021	30	No	INC	7	0:00	6:30	0.00	7218.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	RT	Reliability Assessment	PGAE	Sierra	10/1/2021	40	No	DEC	1	22:40	23:00	1.96	0.00	0.00	-120.87	0.00	0.00	0.00	0.00	0.00	0.00
77	RT	Reliability Assessment	PGAE	Sierra	10/1/2021	20 - 40	No	INC	10	14:55	0:00	-56.69	24971.38	926.02	3702.88	0.00	0.00	0.00	0.00	0.00	0.00
78	RT	Reliability Assessment	PGAE	Sierra	10/15/2021	0	No	DEC	1	11:30	12:30	-5.00	-1781.25	0.00	0.00	-5.00	0.00	0.00	0.00	0.00	0.00
79	RT	Reliability Assessment	SCE	NA	10/19/2021	450	No	DEC	1	7:00	7:15	-6.34	912.59	0.00	-1353.81	-1.33	0.00	76.32	0.00	0.00	0.00
80	RT	Software Limitation	PGAE	Bay Area	10/15/2021	0 - 150	No	INC	4	17:50	21:00	83.09	61053.08	0.00	-28468.94	-253.97	0.00	808.30	0.00	0.00	0.00
81	RT	Software Limitation	PGAE	Fresno	10/1/2021	35 - 83	No	INC	14	1:15	15:00	-35.83	23163.44	0.00	-4256.88	0.00	0.00	0.00	0.00	0.00	0.00
82	RT	Software Limitation	PGAE	Fresno	10/15/2021	35 - 49.94	No	INC	1	17:50	18:45	33.31	7084.98	0.00	-2804.85	0.91	-104.26	0.00	0.00	0.00	0.00
83	RT	Software Limitation	PGAE	Fresno	10/23/2021	0	No	DEC	1	22:20	23:00	-22.00	-233.47	0.00	820.93	-24.00	0.00	934.43	0.00	0.00	0.00
84	RT	Software Limitation	PGAE	Fresno	10/23/2021	0	No	INC	1	23:00	0:00	-4.00	0.00	0.00	273.36	0.00	0.00	0.00	0.00	0.00	0.00
85	RT	Software Limitation	SCE	LA Basin	10/1/2021	0 - 5.75	No	INC	3	1:15	4:00	0.06	176.74	0.00	-80.52	-1.22	-1.69	0.00	-1.41	0.00	0.00
86	RT	Software Limitation	SCE	LA Basin	10/15/2021	0 - 90.58	No	INC	5	17:50	22:05	181.08	19252.37	0.00	-14604.49	0.00	0.00	0.00	0.00	0.00	0.00
87	RT	Software Limitation	SCE	NA	10/1/2021	0	No	DEC	1	5:30	6:00	-302.50	1.25	0.00	16821.57	-84.83	0.00	508.56	0.00	0.00	0.00
88	RT	Software Limitation	SDGE	San Diego-IV	10/15/2021	0	No	INC	1	23:55	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	RT	Software Limitation	SDGE	San Diego-IV	10/16/2021	0	No	INC	1	0:00	0:50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
90	RT	Software Limitation	SDGE	San Diego-IV	10/28/2021	225	No	INC	5	0:00	5:00	0.44	68646.45	0.00	-26.08	0.00	0.00	0.00	0.00	0.00	0.00
91	RT	Unit Testing	Intertie	NA	10/2/2021	2	No	INC	1	16:30	17:00	0.57	0.00	0.00	-39.04	1.00	-72.02	0.00	0.00	0.00	0.00
92	RT	Unit Testing	Intertie	NA	10/5/2021	22 - 180	No	INC	10	8:00	18:00	37.71	0.00	0.00	-2215.44	32.44	-1948.87	0.00	0.00	0.00	0.00
93	RT	Unit Testing	Intertie	NA	10/6/2021	73 - 158	No	INC	6	8:00	13:30	688.06	0.00	0.00	-17452.95	684.52	-17354.44	0.00	0.00	0.00	0.00
94	RT	Unit Testing	Intertie	NA	10/7/2021	3 - 60	No	INC	7	12:00	19:00	185.87	0.00	0.00	-7891.99	183.38	-7817.31	0.00	0.00	0.00	0.00
95	RT	Unit Testing	Intertie	NA	10/8/2021	20 - 120	No	INC	11	9:00	20:00	18.43	0.00	0.00	-426.13	18.43	-426.13	0.00	0.00	0.00	0.00
96	RT	Unit Testing	Intertie	NA	10/11/2021	70 - 150	No	INC	12	6:00	18:00	809.33	0.00	0.00	-21833.14	809.33	-21833.14	0.00	0.00	0.00	0.00
97	RT	Unit Testing	Intertie	NA	10/12/2021	0 - 140	No	INC	11	8:00	19:00	982.64	0.00	0.00	-10354.58	976.64	-10333.22	0.00	0.00	0.00	0.00
98	RT	Unit Testing	Intertie	NA	10/13/2021	35 - 140	No	INC	12	7:00	19:00	673.75	0.00	0.00	-7592.50	660.73	-7374.29	0.00	0.00	0.00	0.00
99	RT	Unit Testing	Intertie	NA	10/15/2021	100	No	INC	11	8:00	19:00	1021.56	0.00	0.00	-19531.01	1021.56	-19531.01	0.00	0.00	0.00	0.00
100	RT	Unit Testing	Intertie	NA	10/16/2021	100	No	INC	11	8:00	19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	RT	Unit Testing	Intertie	NA	10/17/2021	100	No	INC	11	8:00	19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	RT	Unit Testing	Intertie	NA	10/18/2021	100	No	INC	10	8:00	18:00	887.50	0.00	0.00	-27024.94	887.50	-27024.94	0.00	0.00	0.00	0.00
103	RT	Unit Testing	Intertie	NA	10/19/2021	40 - 140	No	INC	11	7:00	18:00	1363.42	0.00	0.00	-23428.02	1360.73	-23304.53	0.00	0.00	0.00	0.00
104	RT	Unit Testing	Intertie	NA	10/20/2021	140	No	INC	11	7:00	18:00	1312.65	0.00	0.00	-47902.17	1312.65	-47902.17	0.00	0.00	0.00	0.00
105	RT	Unit Testing	Intertie	NA	10/21/2021	25 - 149.3	No	INC	11	7:00	18:00	1146.87	0.00	0.00	-46090.02	1144.65	-45981.52	0.00	0.00	0.00	0.00
106	RT	Unit Testing	Intertie	NA	10/22/2021	39.6 - 149.3	No	INC	11	7:00	18:00	1344.56	0.00	0.00	-43688.83	1340.43	-43526.42	0.00	0.00	0.00	0.00
107	RT	Unit Testing	Intertie	NA	10/23/2021	50 - 150	No	INC	10	7:00	17:00	1189.66	0.00	0.00	-19279.95	1187.27	-19193.17	0.00	0.00	0.00	0.00



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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
108	RT	Unit Testing	Intertie	NA	10/24/2021	7 - 136	No	INC	11	7:00	18:00	1154.80	0.00	0.00	-29822.50	1151.48	-29677.90	0.00	0.00	0.00	0.00
109	RT	Unit Testing	Intertie	NA	10/25/2021	15 - 125	No	INC	11	7:00	18:00	679.86	0.00	0.00	-34697.28	671.30	-34231.10	0.00	0.00	0.00	0.00
110	RT	Unit Testing	Intertie	NA	10/26/2021	25 - 153.35	Yes	INC	17	7:00	0:00	1367.21	0.00	0.00	-21570.62	1364.08	-21485.44	0.00	0.00	0.00	0.00
111	RT	Unit Testing	Intertie	NA	10/27/2021	25 - 100	No	INC	11	7:00	18:00	983.86	0.00	0.00	-28557.02	981.82	-28452.28	0.00	0.00	0.00	0.00
112	RT	Unit Testing	Intertie	NA	10/28/2021	25 - 150	Yes	INC	24	0:00	0:00	1213.47	0.00	0.00	-57611.23	1213.99	-57648.76	0.00	0.00	0.00	0.00
113	RT	Unit Testing	Intertie	NA	10/29/2021	25 - 145	No	INC	24	0:00	0:00	1282.82	0.00	0.00	-61588.28	1280.39	-61459.10	0.00	0.00	0.00	0.00
114	RT	Unit Testing	Intertie	NA	10/30/2021	22 - 150	Yes	INC	24	0:00	0:00	1122.36	0.00	0.00	-22536.87	1119.94	-22424.69	0.00	0.00	0.00	0.00
115	RT	Unit Testing	Intertie	NA	10/31/2021	25 - 150	Yes	INC	24	0:00	0:00	107.01	0.00	0.00	-5550.35	104.11	-5408.72	0.00	0.00	0.00	0.00
116	RT	Unit Testing	PGAE	Bay Area	10/19/2021	286	No	DEC	2	11:30	13:00	-7.36	-39353.56	0.00	388.79	0.00	0.00	0.00	0.00	0.00	0.00
117	RT	Unit Testing	PGAE	Bay Area	10/22/2021	552 - 631	No	INC	6	2:35	7:50	56.38	0.00	0.00	-3790.16	53.28	-3629.26	0.00	0.00	0.00	0.00
118	RT	Unit Testing	PGAE	Humboldt	10/8/2021	30	No	INC	5	9:40	14:00	7.83	9091.24	0.00	-501.38	0.00	0.00	0.00	0.00	0.00	0.00
119	RT	Unit Testing	PGAE	Sierra	10/22/2021	46	No	INC	1	1:15	2:00	18.83	0.00	0.00	-1526.10	18.83	-1526.10	0.00	0.00	0.00	0.00
120	RT	Unit Testing	PGAE	NA	10/20/2021	175 - 620	No	INC	4	14:00	18:00	635.26	2942.59	0.00	-43859.93	4.82	-393.16	0.42	0.00	0.00	0.00
121	RT	Unit Testing	PGAE	NA	10/29/2021	75	No	INC	2	9:10	11:00	79.43	0.00	0.00	-3550.66	2.17	-153.96	0.00	0.00	0.00	0.00
122	RT	Unit Testing	SCE	LA Basin	10/12/2021	49	No	INC	9	13:25	22:00	23.12	0.00	0.00	-1596.02	16.08	-1469.64	0.00	0.00	0.00	0.00
123	RT	Unit Testing	SCE	NA	10/19/2021	100 - 132	No	INC	8	9:45	17:00	1470.72	0.00	0.00	-9904.72	1468.13	-9884.83	0.00	0.00	0.00	0.00
124	RT	Unit Testing	SCE	NA	10/20/2021	98 - 130	No	INC	8	8:10	16:00	1683.14	0.00	0.00	-52090.16	1676.20	-51850.21	0.00	0.00	0.00	0.00
125	RT	Unit Testing	SCE	NA	10/28/2021	132	No	INC	9	8:50	17:30	1082.13	0.00	0.00	-50402.02	1082.13	-50402.02	0.00	0.00	0.00	0.00

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
126	RT	Unit Testing	SCE	NA	10/29/2021	132	No	INC	8	9:05	16:45	972.13	0.00	0.00	-44093.91	972.13	-44093.91	0.00	0.00	0.00	0.00
127	RT	Unit Testing	SCE	NA	10/30/2021	132	No	INC	8	8:50	16:30	1005.13	0.00	0.00	-16600.08	1005.13	-16600.08	0.00	0.00	0.00	0.00
128	RT	Unit Testing	SCE	NA	10/31/2021	132	No	INC	8	9:05	16:30	972.13	0.00	0.00	-12137.34	972.13	-12137.34	0.00	0.00	0.00	0.00
129	RT	Voltage Support	PGAE	Bay Area	10/24/2021	20	No	INC	6	4:45	10:00	50.96	26793.70	2068.63	-4236.40	0.00	0.00	0.00	0.00	0.00	0.00
130	RT	Voltage Support	PGAE	Bay Area	10/30/2021	140 - 141.02	No	DEC	2	22:45	0:00	-39.66	-26602.09	0.00	2027.94	-25.43	0.00	1292.54	0.00	-0.42	0.00
131	RT	Voltage Support	PGAE	Bay Area	10/30/2021	140 - 141.02	No	INC	14	2:00	16:00	-301.48	378319.92	0.00	10607.39	0.00	0.00	0.00	0.00	0.00	0.00
132	RT	Voltage Support	PGAE	Bay Area	10/31/2021	140 - 141.02	No	DEC	2	0:00	2:00	-94.94	-21213.38	0.00	5252.46	-78.03	0.00	4374.38	0.00	-86.49	0.00
133	RT	Voltage Support	PGAE	Bay Area	10/31/2021	140 - 141.02	No	INC	15	1:00	16:00	74.68	245345.77	0.00	-4554.03	0.00	0.00	0.00	0.00	0.00	0.00
134	RT	Voltage Support	PGAE	Fresno	10/17/2021	-317	No	DEC	5	4:00	9:00	19.50	0.00	0.00	-1212.62	0.00	0.00	0.00	0.00	0.00	0.00
135	RT	Voltage Support	PGAE	Fresno	10/18/2021	-317	No	DEC	5	0:30	5:30	10.57	0.00	0.00	-515.52	0.00	0.00	0.00	0.00	0.00	0.00
136	RT	Voltage Support	PGAE	Fresno	10/22/2021	-315	No	DEC	4	3:15	7:00	-150.39	0.00	0.00	7389.77	0.00	0.00	0.00	0.00	0.00	0.00
137	RT	Voltage Support	PGAE	Fresno	10/24/2021	83	No	INC	8	1:55	9:30	221.76	85945.71	0.00	-14818.54	0.00	0.00	0.00	0.00	0.00	0.00
138	RT	Voltage Support	PGAE	Fresno	10/25/2021	-308	No	DEC	6	1:15	7:00	-150.22	0.00	0.00	10191.44	0.00	0.00	0.00	0.00	0.00	0.00
139	RT	Voltage Support	PGAE	Fresno	10/26/2021	-308	No	DEC	5	1:20	5:30	-128.75	0.00	0.00	7567.64	0.00	0.00	0.00	0.00	0.00	0.00
140	RT	Voltage Support	PGAE	Fresno	10/27/2021	-310	No	DEC	6	0:25	5:30	-254.53	0.00	0.00	16513.15	0.00	0.00	0.00	0.00	0.00	0.00
141	RT	Voltage Support	PGAE	Fresno	10/28/2021	83	No	INC	5	1:00	6:00	93.62	37503.60	0.00	-5968.19	0.00	0.00	0.00	0.00	0.00	0.00
142	RT	Voltage Support	PGAE	Fresno	10/29/2021	-310	No	DEC	5	1:00	5:30	4.60	0.00	0.00	-276.60	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
143	RT	Voltage Support	PGAE	Fresno	10/30/2021	-310	No	DEC	20	4:15	0:00	10.33	0.00	0.00	-566.46	0.00	0.00	0.00	0.00	0.00	0.00
144	RT	Voltage Support	PGAE	Fresno	10/31/2021	-310	No	DEC	11	0:00	11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	RT	Voltage Support	PGAE	Humboldt	10/17/2021	30	No	INC	13	11:00	0:00	1.18	16381.20	0.00	-134.89	0.20	-6.96	0.00	0.00	-8.25	0.00
146	RT	Voltage Support	PGAE	Humboldt	10/18/2021	15 - 30	No	DEC	18	6:00	0:00	-10.85	-66951.07	0.00	643.80	0.00	0.00	0.00	0.00	0.00	0.00
147	RT	Voltage Support	PGAE	Humboldt	10/18/2021	15 - 30	No	INC	24	0:00	0:00	-0.23	14437.67	0.00	13.85	0.00	0.00	0.00	0.00	0.00	0.00
148	RT	Voltage Support	PGAE	Humboldt	10/19/2021	15 - 30	No	DEC	23	0:00	23:00	-0.68	-22882.51	0.00	47.15	0.00	0.00	0.00	0.00	0.00	0.00
149	RT	Voltage Support	PGAE	Humboldt	10/19/2021	15 - 30	No	INC	24	0:00	0:00	5.10	16403.33	0.00	-349.11	0.00	0.00	0.00	0.00	0.00	0.00
150	RT	Voltage Support	PGAE	Humboldt	10/20/2021	15	No	DEC	20	4:45	0:00	-6.78	-16623.21	0.00	389.20	0.00	0.00	0.00	0.00	0.00	0.00
151	RT	Voltage Support	PGAE	Humboldt	10/20/2021	15 - 30	No	INC	24	0:00	0:00	-0.29	13977.95	0.00	19.26	0.00	0.00	0.00	0.00	0.00	0.00
152	RT	Voltage Support	PGAE	Humboldt	10/21/2021	15 - 30	No	DEC	22	0:00	22:00	0.58	-82466.15	0.00	42.85	0.00	0.00	0.00	0.00	0.00	0.00
153	RT	Voltage Support	PGAE	Humboldt	10/21/2021	15 - 30	No	INC	24	0:00	0:00	-0.23	11040.90	0.00	15.98	0.00	0.00	0.00	0.00	0.00	0.00
154	RT	Voltage Support	PGAE	Humboldt	10/22/2021	15	No	DEC	3	21:45	0:00	-4.07	275.89	0.00	209.82	0.00	0.00	0.00	0.00	0.00	0.00
155	RT	Voltage Support	PGAE	Humboldt	10/22/2021	15 - 30	No	INC	24	0:00	0:00	-0.07	39452.48	0.00	3.35	0.00	0.00	0.00	0.00	0.00	0.00
156	RT	Voltage Support	PGAE	Humboldt	10/23/2021	15	No	DEC	24	0:00	23:45	-1.09	6640.38	0.00	-44.11	0.00	0.00	0.00	0.00	0.00	0.00
157	RT	Voltage Support	PGAE	Humboldt	10/23/2021	15	No	INC	24	0:00	0:00	-0.55	29881.71	0.00	-30.16	0.00	0.00	0.00	0.00	0.00	0.00
158	RT	Voltage Support	PGAE	Humboldt	10/24/2021	15	No	DEC	14	10:10	0:00	-2.19	-9261.82	0.00	119.28	0.00	0.00	0.00	0.00	0.00	0.00
159	RT	Voltage Support	PGAE	Humboldt	10/24/2021	15	No	INC	24	0:00	0:00	-0.23	15494.22	0.00	14.55	0.00	0.00	0.00	0.00	0.00	0.00
160	RT	Voltage Support	PGAE	Humboldt	10/25/2021	15	No	DEC	24	0:00	0:00	0.00	-4426.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
161	RT	Voltage Support	PGAE	Humboldt	10/25/2021	15	No	INC	24	0:00	0:00	0.00	21027.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	RT	Voltage Support	PGAE	Humboldt	10/26/2021	15	No	DEC	24	0:00	0:00	-0.32	0.00	0.00	3.76	0.00	0.00	0.00	0.00	0.00	0.00
163	RT	Voltage Support	PGAE	Humboldt	10/26/2021	15	No	INC	24	0:00	0:00	-0.32	28463.52	0.00	4.21	0.00	0.00	0.00	0.00	0.00	0.00
164	RT	Voltage Support	PGAE	Humboldt	10/27/2021	15 - 30	No	DEC	24	0:00	0:00	-9.73	-34216.58	0.00	231.12	0.00	0.00	0.00	0.00	0.00	0.00
165	RT	Voltage Support	PGAE	Humboldt	10/27/2021	15 - 30	No	INC	24	0:00	0:00	-5.86	28837.14	0.00	-42.82	0.00	0.00	0.00	0.00	0.00	0.00
166	RT	Voltage Support	PGAE	Humboldt	10/28/2021	15 - 30	No	DEC	21	0:00	21:00	-2.06	-6121.88	0.00	50.94	0.00	0.00	0.00	0.00	0.00	0.00
167	RT	Voltage Support	PGAE	Humboldt	10/28/2021	15 - 30	No	INC	24	0:00	0:00	5.30	24454.60	0.00	-390.20	0.00	0.00	0.00	0.00	0.00	0.00
168	RT	Voltage Support	PGAE	Humboldt	10/29/2021	15 - 30	No	DEC	19	5:00	0:00	2.89	-48370.48	530.75	-292.08	0.00	0.00	0.00	0.00	0.00	0.00
169	RT	Voltage Support	PGAE	Humboldt	10/29/2021	15 - 30	No	INC	24	0:00	23:30	-0.97	18696.98	410.90	51.34	0.00	0.00	0.00	0.00	0.00	0.00
170	RT	Voltage Support	PGAE	Humboldt	10/30/2021	15	No	DEC	11	0:00	11:00	-2.77	-12228.10	0.00	105.94	0.00	0.00	0.00	0.00	0.00	0.00
171	RT	Voltage Support	PGAE	Humboldt	10/30/2021	15	No	INC	12	11:00	23:00	-3.39	15108.67	0.00	-2.79	0.00	0.00	0.00	0.00	0.00	0.00
172	RT	Voltage Support	PGAE	Sierra	10/4/2021	20 - 42	Yes	INC	1	23:00	0:00	-9.20	10108.22	371.23	664.86	0.00	0.00	0.00	0.00	0.00	0.00
173	RT	Voltage Support	PGAE	Sierra	10/5/2021	20 - 40	No	INC	24	0:00	0:00	-80.27	75651.35	0.00	4920.47	0.00	0.00	0.00	0.00	0.00	0.00
174	RT	Voltage Support	PGAE	Sierra	10/6/2021	20	Yes	INC	24	0:00	0:00	3.35	48388.78	1894.35	-422.26	0.00	0.00	0.00	0.00	0.00	0.00
175	RT	Voltage Support	PGAE	Sierra	10/7/2021	20	No	INC	10	0:00	10:00	5.54	50960.90	0.00	-1418.84	0.00	0.00	0.00	0.00	0.00	0.00
176	RT	Voltage Support	PGAE	Sierra	10/9/2021	0 - 42	No	INC	20	4:55	0:00	-10.00	61146.48	2241.36	314.81	0.00	0.00	0.00	0.00	0.00	0.00
177	RT	Voltage Support	PGAE	Sierra	10/10/2021	20 - 42	No	INC	24	0:00	0:00	-12.25	142653.43	0.00	-125.63	0.00	0.00	0.00	0.00	0.00	0.00
178	RT	Voltage Support	PGAE	Sierra	10/11/2021	20 - 42	No	INC	24	0:00	0:00	88.28	202783.04	0.00	-10348.99	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
179	RT	Voltage Support	PGAE	Sierra	10/12/2021	20 - 42	No	INC	24	0:00	0:00	22.45	191430.91	4981.47	-2837.31	-6.90	0.00	690.35	0.00	-214.97	0.00
180	RT	Voltage Support	PGAE	Sierra	10/13/2021	20 - 42	No	INC	24	0:00	0:00	-65.96	156138.31	0.00	2639.00	0.00	0.00	0.00	0.00	0.00	0.00
181	RT	Voltage Support	PGAE	Sierra	10/14/2021	20	No	INC	24	0:00	0:00	21.72	21685.88	1204.90	-1408.07	0.00	0.00	0.00	0.00	0.00	0.00
182	RT	Voltage Support	PGAE	Sierra	10/15/2021	20	No	DEC	1	6:00	7:00	-15.13	0.00	0.00	1007.72	0.00	0.00	0.00	0.00	0.00	0.00
183	RT	Voltage Support	PGAE	Sierra	10/15/2021	20 - 42	No	INC	24	0:00	0:00	-19.45	78427.51	6730.58	162.94	0.00	0.00	0.00	0.00	0.00	0.00
184	RT	Voltage Support	PGAE	Sierra	10/16/2021	20 - 40	No	DEC	22	0:00	22:00	-74.73	0.00	0.00	4999.93	0.00	0.00	0.00	0.00	0.00	0.00
185	RT	Voltage Support	PGAE	Sierra	10/16/2021	20 - 42	No	INC	24	0:00	0:00	-16.96	99370.53	2798.02	651.93	0.00	0.00	0.00	0.00	0.00	0.00
186	RT	Voltage Support	PGAE	Sierra	10/17/2021	20 - 42	No	INC	24	0:00	0:00	-33.78	166500.15	0.00	-2738.29	0.00	0.00	0.00	0.00	0.00	0.00
187	RT	Voltage Support	PGAE	Sierra	10/18/2021	20 - 42	Yes	INC	24	0:00	0:00	-11.31	70298.15	587.21	344.35	0.00	0.00	0.00	0.00	0.00	0.00
188	RT	Voltage Support	PGAE	Sierra	10/19/2021	20	Yes	DEC	19	5:00	0:00	-17.67	0.00	0.00	908.84	0.00	0.00	0.00	0.00	0.00	0.00
189	RT	Voltage Support	PGAE	Sierra	10/19/2021	20 - 42	No	INC	24	0:00	0:00	-20.66	22576.14	2241.36	1442.47	0.00	0.00	0.00	0.00	0.00	0.00
190	RT	Voltage Support	PGAE	Sierra	10/20/2021	20	No	DEC	7	6:00	12:30	-33.14	0.00	0.00	1887.88	0.00	0.00	0.00	0.00	0.00	0.00
191	RT	Voltage Support	PGAE	Sierra	10/20/2021	20 - 42	No	INC	24	0:00	0:00	-5.41	56089.30	1188.90	397.93	0.00	0.00	0.00	0.00	0.00	0.00
192	RT	Voltage Support	PGAE	Sierra	10/21/2021	20	No	INC	24	0:00	0:00	4.76	22404.90	0.00	-271.17	0.00	0.00	0.00	0.00	0.00	0.00
193	RT	Voltage Support	PGAE	Sierra	10/22/2021	20	No	DEC	1	6:00	7:00	-14.20	0.00	0.00	777.88	0.00	0.00	0.00	0.00	0.00	0.00
194	RT	Voltage Support	PGAE	Sierra	10/22/2021	20	Yes	INC	24	0:00	0:00	-11.84	19933.90	0.00	661.52	0.00	0.00	0.00	0.00	0.00	0.00
195	RT	Voltage Support	PGAE	Sierra	10/23/2021	20	No	DEC	15	7:00	22:00	-52.02	0.00	0.00	2588.14	0.00	0.00	0.00	0.00	0.00	0.00
196	RT	Voltage Support	PGAE	Sierra	10/23/2021	20	No	INC	24	0:00	0:00	45.07	64002.83	550.66	-5267.28	0.00	0.00	0.00	0.00	0.00	0.00

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**Chart 2: Table of Exceptional Dispatches for Period 01/November/2021 - 30/November/2021**

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
197	RT	Voltage Support	PGAE	Sierra	10/24/2021	20 - 30	No	DEC	21	1:40	22:00	-40.02	0.00	0.00	2433.89	-9.84	0.00	558.11	0.00	-1033.41	0.00
198	RT	Voltage Support	PGAE	Sierra	10/24/2021	20 - 42	Yes	INC	24	0:00	0:00	-38.20	165185.91	2241.36	1108.87	0.00	0.00	0.00	0.00	0.00	0.00
199	RT	Voltage Support	PGAE	Sierra	10/25/2021	20 - 35	No	DEC	14	7:00	21:00	-2.17	0.00	0.00	-181.71	0.00	0.00	0.00	0.00	0.00	0.00
200	RT	Voltage Support	PGAE	Sierra	10/25/2021	20 - 42	No	INC	24	0:00	0:00	-3.51	201249.36	0.00	139.02	3.75	-146.85	0.00	0.00	-1518.59	0.00
201	RT	Voltage Support	PGAE	Sierra	10/26/2021	40	No	DEC	19	5:00	0:00	119.17	383.94	4605.76	-6593.72	0.00	0.00	0.00	0.00	0.00	0.00
202	RT	Voltage Support	PGAE	Sierra	10/26/2021	40 - 42	No	INC	24	0:00	0:00	0.00	148651.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	RT	Voltage Support	PGAE	Sierra	10/27/2021	40	No	DEC	8	0:00	8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	RT	Voltage Support	PGAE	Sierra	10/27/2021	42	No	INC	8	0:00	8:00	0.00	41584.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	RT	Voltage Support	PGAE	Sierra	10/28/2021	20	No	DEC	13	6:00	19:00	-15.74	0.00	100.40	648.18	0.00	0.00	0.00	0.00	0.00	0.00
206	RT	Voltage Support	PGAE	Sierra	10/28/2021	20	No	INC	21	3:55	0:00	-22.93	14558.61	514.55	1836.55	0.00	0.00	0.00	0.00	0.00	0.00
207	RT	Voltage Support	PGAE	Sierra	10/29/2021	20	No	INC	24	0:00	0:00	-49.76	68894.48	0.00	3183.00	0.00	0.00	0.00	0.00	0.00	0.00
208	RT	Voltage Support	PGAE	Sierra	10/30/2021	20	No	DEC	15	7:00	22:00	-105.49	0.00	0.00	6033.00	0.00	0.00	0.00	0.00	0.00	0.00
209	RT	Voltage Support	PGAE	Sierra	10/30/2021	20	No	INC	24	0:00	0:00	19.68	2828.95	0.00	-952.09	0.00	0.00	0.00	0.00	0.00	0.00
210	RT	Voltage Support	PGAE	Sierra	10/31/2021	20	No	DEC	21	1:00	22:00	-27.13	0.00	0.00	1347.00	0.00	0.00	0.00	0.00	0.00	0.00
211	RT	Voltage Support	PGAE	Sierra	10/31/2021	20 - 42	No	INC	24	0:00	0:00	0.76	101716.70	2528.76	-218.65	0.00	0.00	0.00	0.00	0.00	0.00
212	RT	Voltage Support	PGAE	NA	10/24/2021	49 - 150	No	INC	8	2:40	10:00	148.99	55575.13	0.00	-9108.14	3.86	-198.68	0.00	0.00	-48.77	0.00

## 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 CAISO issued an exceptional dispatch instruction for resource A to be committed at its Pmin of 50 MW from hours ending 5 through 10 for a generation procedure 7630. Similarly, the CAISO issued additional instructions to resources B and C for the same reason in Table 2. Exceptional dispatches prior to the day-ahead market are commitments to minimum load. Here 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 different from the bid-in minimum load and start up costs<sup>7</sup>. Only those quantities which relate to pre-day-ahead unit commitments are shown in this table.

**Table 2: Instructions Prior to Day-Ahead Market**

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

This data is summarized as shown in Table 3, which is the prescribed format specified in the FERC order on September 02, 2009. This summary classifies the data by reason, resource location, local reliability area, and trade date. The MW column in Table 3 is the range of MW; in this case the minimum instruction MW is 20 MW for resource C which occurs from hours ending 21 through 23. The maximum instruction occurs in hour ending 10. In this hour resource A is committed at 50 MW, resource B is committed at 30 MW and resource C is committed at 20 MW. This adds up to 100 MW. 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 there might be hours between the begin time and the end time where there might not be exceptional dispatch instructions for the reason, meaning that the range between the begin time and end time can include null hours with no dispatch. The total volume (MWh) is the MWh quantity for each resource, which adds up to 990 MWh. Similarly, all cost information is sum of individual resource costs. 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 CAISO 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. Here, it is the CC6620 for all three resources which adds up to \$5000. This column shows the impact of exceptional dispatch on bid cost recovery for all pre-day-ahead exceptional dispatch commitments.

**Table 3: FERC Summary of Instructions Prior to DAM**

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

### Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the CAISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours 6:00 through 11:00 after completion of the day-ahead market for the transmission procedure 7110. This resource had no day-ahead award in those hours. The CAISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours 7:00

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

through 9:00 in real-time for the transmission procedure 7110. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C are shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows 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, so the charge code CC6470 is calculated at (180 MWh \* \$10/MWh) and is equal to \$1,800. Since this resource is not dispatched above its Pmin, it has a zero volume (MWh) of exceptional dispatch. 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 shown in ED Volume (MWh INC/DEC) column. The charge code CC6470 INC is calculated as 60 MWh \* resource LMP (\$10/MWh) which is equal to \$600. Since the only imbalance energy in this timeframe was the exceptional dispatch volume, the charge code CC6470 is equal to CC6470 INC. The charge code CC6488 is calculated as MWh quantity \*(bid price – LMP), which is equal to \$5400 (60 MWh \*(\$10/MWh-\$100/MWh)). Similarly, volumes and real-time charge codes are calculated for resource C.

**Table 4: Incremental Exceptional Dispatch Instructions in RTM**

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Humboldt	6:00	11:00	30	0	Yes	INC	30	7110	180	1000	50	1800	0	0	0	0	0
1-Jul-09	RT	B	PG&E	Humboldt	7:00	9:00	40	20	No	INC	20	7110	60	0	0	600	60	600	0	0	5400
1-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110	0	0	0	0	0	0	0	0	0
1-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110	50	0	0	300	20	300	0	0	200

This data is summarized as shown in Table 5 and is classified by reason, resource location, local reliability area, and trade date. The MW column in Table 5 is the range of MW; in this case the minimum instruction MW is 0 MW for resource C which occurs from hours ending 13 through 15. The maximum instruction occurs in hours ending 8 & 9, as during these two hours both resources A and B have an ED MW of 30MW and 20MW, respectively. This adds up to 50 MW. 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, 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 there might be hours between the begin time and end time where there were no exceptional dispatch instructions for the reason. Both volume and cost information columns are the summation for all the respective columns for resources 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.



**Table 5: FERC Summary of ED Instructions in RTM**

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

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

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

**Table 6: Decremental Exceptional Dispatch Instructions in RTM**

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

This data is summarized according to FERC convention in Table 7. This summary classifies the data by reason, resource location, local reliability area, and trade date. 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. The MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. The volume and cost information are summarized by INC and DEC classification.

**Table 7: FERC Summary of Decremental ED Instructions in RTM**

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

## Appendix B: Price Impact Analysis

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

Based on this requirement the CAISO implemented a methodology to perform price impact analysis. First, the CAISO identified a heavily affected 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 CAISO 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 information to perform price impact analysis.

An exceptional dispatch instruction can be 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. 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 may 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 the resource was exceptionally dispatched to its Pmax and forced to generate at that level, the resource was 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 in the PGAE area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction and was eligible to set the price. Out of the 8,640 five-minute intervals in November, this resource was issued exceptional dispatch instructions in 8,174 five-minute intervals. This resource was eligible to set the LMP in 7,459 intervals. Out of the 7,459 intervals, resource calculated LMP was larger than the market LMP in 302 intervals. In the 302 intervals, the average increase in five minute LMP was \$12.15/MWh. Out of the 7,459 intervals, resource calculated LMP was less than the market LMP in 7,157 intervals. In the 7,157 intervals, the average decrease in five minute LMP was \$33.98/MWh. This implies that if the CAISO could model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average decrease of \$32.12/MWh

Table 9 shows the price impact analysis information for node B, which is 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 and was eligible to set the price. Out of the 8,640 five-minute intervals in November, this resource was issued exceptional dispatch instructions in 15 five-minute intervals. This resource was eligible to set the LMP in 14 intervals. Out of the 14 intervals, resource calculated LMP was larger than the market LMP in 1 interval. In the 1 interval, the average increase in five minute LMP was \$0.69/MWh. Out of the 14 intervals, resource calculated LMP was less than the market LMP in 13 intervals. In the 13 intervals, the average decrease in five minute LMP was \$4.14/MWh. This implies that if the CAISO could model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average decrease of \$3.80/MWh

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

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	11/1/2021	8	5	85.77	Yes	20	-65.77
2	11/1/2021	8	6	88.67	Yes	20	-68.67
3	11/1/2021	8	7	87.83	Yes	20	-67.83
4	11/1/2021	8	8	85.11	Yes	20	-65.11
5	11/1/2021	8	9	82.35	Yes	20	-62.35
6	11/1/2021	8	10	83.75	Yes	20	-63.75
7	11/1/2021	8	11	71.42	Yes	20	-51.42
8	11/1/2021	8	12	70.44	Yes	20	-50.44
9	11/1/2021	9	1	87.44	Yes	20	-67.44
10	11/1/2021	9	2	89.95	Yes	20	-69.95
11	11/1/2021	9	3	81.12	Yes	20	-61.12
12	11/1/2021	9	4	71.24	Yes	20	-51.24
13	11/1/2021	9	5	68.07	Yes	20	-48.07
14	11/1/2021	9	6	65.71	Yes	20	-45.71
15	11/1/2021	9	10	56.96	Yes	20	-36.96
16	11/1/2021	9	11	53.26	Yes	20	-33.26
17	11/1/2021	9	12	52.82	Yes	20	-32.82
18	11/1/2021	10	1	56.82	Yes	20	-36.82
19	11/1/2021	10	2	56.82	Yes	20	-36.82
20	11/1/2021	10	3	55.14	Yes	20	-35.14
21	11/1/2021	10	4	50.02	Yes	20	-30.02
22	11/1/2021	10	5	50.07	Yes	20	-30.07
23	11/1/2021	10	6	49.97	Yes	20	-29.97
24	11/1/2021	10	7	54.20	Yes	20	-34.20
25	11/1/2021	10	8	55.73	Yes	20	-35.73
26	11/1/2021	10	9	56.95	Yes	20	-36.95
27	11/1/2021	10	10	52.12	Yes	20	-32.12
28	11/1/2021	10	11	50.68	Yes	20	-30.68
29	11/1/2021	10	12	52.03	Yes	20	-32.03
30	11/1/2021	11	1	58.33	Yes	20	-38.33
31	11/1/2021	11	2	59.92	Yes	20	-39.92
32	11/1/2021	11	3	61.37	Yes	20	-41.37
33	11/1/2021	11	4	61.17	Yes	20	-41.17
34	11/1/2021	11	5	61.17	Yes	20	-41.17

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
35	11/1/2021	11	6	60.67	Yes	20	-40.67
36	11/1/2021	11	7	58.36	Yes	20	-38.36
37	11/1/2021	11	8	51.65	Yes	20	-31.65
38	11/1/2021	11	9	53.23	Yes	20	-33.23
39	11/1/2021	11	10	58.82	Yes	20	-38.82
40	11/1/2021	11	11	60.08	Yes	20	-40.08
41	11/1/2021	11	12	59.74	Yes	20	-39.74
42	11/1/2021	12	1	58.22	Yes	20	-38.22
43	11/1/2021	12	2	57.78	Yes	20	-37.78
44	11/1/2021	12	3	60.10	Yes	20	-40.10
45	11/1/2021	12	4	55.27	Yes	20	-35.27
46	11/1/2021	12	5	55.13	Yes	20	-35.13
47	11/1/2021	12	6	52.99	Yes	20	-32.99
48	11/1/2021	12	7	58.99	Yes	20	-38.99
49	11/1/2021	12	8	59.15	Yes	20	-39.15
50	11/1/2021	12	9	54.58	Yes	20	-34.58
51	11/1/2021	12	10	52.56	Yes	20	-32.56
52	11/1/2021	12	11	55.05	Yes	20	-35.05
53	11/1/2021	12	12	55.78	Yes	20	-35.78
54	11/1/2021	13	1	59.42	Yes	20	-39.42
55	11/1/2021	13	2	58.04	Yes	20	-38.04
56	11/1/2021	13	3	58.17	Yes	20	-38.17
57	11/1/2021	13	4	57.68	Yes	20	-37.68
58	11/1/2021	13	5	56.21	Yes	20	-36.21
59	11/1/2021	13	6	52.97	Yes	20	-32.97
60	11/1/2021	13	7	55.05	Yes	20	-35.05
61	11/1/2021	13	8	55.58	Yes	20	-35.58
62	11/1/2021	13	9	57.21	Yes	20	-37.21
63	11/1/2021	13	10	58.33	Yes	20	-38.33
64	11/1/2021	13	11	55.33	Yes	20	-35.33
65	11/1/2021	13	12	53.33	Yes	20	-33.33
66	11/1/2021	14	1	53.44	Yes	20	-33.44
67	11/1/2021	14	2	55.40	Yes	20	-35.40
68	11/1/2021	14	3	57.33	Yes	20	-37.33
69	11/1/2021	14	4	57.79	Yes	20	-37.79
70	11/1/2021	14	5	53.61	Yes	20	-33.61
71	11/1/2021	14	6	59.23	Yes	20	-39.23
72	11/1/2021	14	7	67.68	Yes	20	-47.68

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
73	11/1/2021	14	8	63.87	Yes	20	-43.87
74	11/1/2021	14	9	72.03	Yes	20	-52.03
75	11/1/2021	14	10	72.92	Yes	20	-52.92
76	11/1/2021	14	11	74.06	Yes	20	-54.06
77	11/1/2021	14	12	95.30	Yes	20	-75.30
78	11/1/2021	15	1	72.26	Yes	20	-52.26
79	11/1/2021	15	2	93.37	Yes	20	-73.37
80	11/1/2021	15	3	103.88	Yes	20	-83.88
81	11/1/2021	15	4	90.06	Yes	20	-70.06
82	11/1/2021	15	5	84.42	Yes	20	-64.42
83	11/1/2021	15	6	84.37	Yes	20	-64.37
84	11/1/2021	15	7	74.81	Yes	20	-54.81
85	11/1/2021	15	8	81.90	Yes	20	-61.90
86	11/1/2021	15	9	69.98	Yes	20	-49.98
87	11/1/2021	15	10	68.13	Yes	20	-48.13
88	11/1/2021	15	11	70.85	Yes	20	-50.85
89	11/1/2021	15	12	68.13	Yes	20	-48.13
90	11/1/2021	16	1	70.06	Yes	20	-50.06
91	11/1/2021	16	2	66.43	Yes	20	-46.43
92	11/1/2021	16	3	72.05	Yes	20	-52.05
93	11/1/2021	16	4	72.05	Yes	20	-52.05
94	11/1/2021	16	5	72.05	Yes	20	-52.05
95	11/1/2021	16	6	60.17	Yes	20	-40.17
96	11/1/2021	16	7	54.98	Yes	20	-34.98
97	11/1/2021	16	8	52.45	Yes	20	-32.45
98	11/1/2021	16	9	52.02	Yes	20	-32.02
99	11/1/2021	16	10	62.16	Yes	20	-42.16
100	11/1/2021	16	11	67.00	Yes	20	-47.00
101	11/1/2021	16	12	66.09	Yes	20	-46.09
102	11/1/2021	17	1	47.27	Yes	20	-27.27
103	11/1/2021	17	2	52.01	Yes	20	-32.01
104	11/1/2021	17	3	51.16	Yes	20	-31.16
105	11/1/2021	17	4	50.91	Yes	20	-30.91
106	11/1/2021	17	5	52.43	Yes	20	-32.43
107	11/1/2021	17	6	51.84	Yes	20	-31.84
108	11/1/2021	17	7	52.81	Yes	20	-32.81
109	11/1/2021	17	8	51.24	Yes	20	-31.24
110	11/1/2021	17	9	51.24	Yes	20	-31.24

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
111	11/1/2021	17	10	54.43	Yes	20	-34.43
112	11/1/2021	17	11	58.15	Yes	20	-38.15
113	11/1/2021	17	12	58.27	Yes	20	-38.27
114	11/1/2021	18	1	48.72	Yes	20	-28.72
115	11/1/2021	18	2	47.88	Yes	20	-27.88
116	11/1/2021	18	3	46.92	Yes	20	-26.92
117	11/1/2021	18	4	46.79	Yes	20	-26.79
118	11/1/2021	18	5	49.19	Yes	20	-29.19
119	11/1/2021	18	6	51.85	Yes	20	-31.85
120	11/1/2021	18	7	52.42	Yes	20	-32.42
121	11/1/2021	18	8	56.91	Yes	20	-36.91
122	11/1/2021	18	9	57.51	Yes	20	-37.51
123	11/1/2021	18	10	60.74	Yes	20	-40.74
124	11/1/2021	18	11	65.91	Yes	20	-45.91
125	11/1/2021	18	12	65.91	Yes	20	-45.91
126	11/1/2021	22	4	75.40	Yes	20	-55.40
127	11/1/2021	22	5	75.40	Yes	20	-55.40
128	11/1/2021	22	6	70.77	Yes	20	-50.77
129	11/1/2021	22	7	70.17	Yes	20	-50.17
130	11/1/2021	22	8	68.60	Yes	20	-48.60
131	11/1/2021	22	9	68.32	Yes	20	-48.32
132	11/1/2021	22	10	65.28	Yes	20	-45.28
133	11/1/2021	22	11	65.47	Yes	20	-45.47
134	11/1/2021	22	12	68.04	Yes	20	-48.04
135	11/1/2021	23	1	77.37	Yes	20	-57.37
136	11/1/2021	23	2	79.87	Yes	20	-59.87
137	11/1/2021	23	3	77.37	Yes	20	-57.37
138	11/1/2021	23	4	78.24	Yes	20	-58.24
139	11/1/2021	23	5	73.86	Yes	20	-53.86
140	11/1/2021	23	6	73.15	Yes	20	-53.15
141	11/1/2021	23	7	71.31	Yes	20	-51.31
142	11/1/2021	23	8	69.88	Yes	20	-49.88
143	11/1/2021	23	9	67.96	Yes	20	-47.96
144	11/1/2021	23	10	61.77	Yes	20	-41.77
145	11/1/2021	23	11	62.83	Yes	20	-42.83
146	11/1/2021	23	12	67.50	Yes	20	-47.50
147	11/1/2021	24	1	70.85	Yes	20	-50.85
148	11/1/2021	24	2	73.95	Yes	20	-53.95

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
149	11/1/2021	24	3	74.95	Yes	20	-54.95
150	11/1/2021	24	4	73.59	Yes	20	-53.59
151	11/1/2021	24	5	64.73	Yes	20	-44.73
152	11/1/2021	24	6	63.00	Yes	20	-43.00
153	11/1/2021	24	7	60.15	Yes	20	-40.15
154	11/1/2021	24	8	59.80	Yes	20	-39.80
155	11/1/2021	24	9	59.13	Yes	20	-39.13
156	11/1/2021	24	10	58.79	Yes	20	-38.79
157	11/1/2021	24	11	59.32	Yes	20	-39.32
158	11/1/2021	24	12	59.08	Yes	20	-39.08
159	11/2/2021	1	1	60.73	Yes	20.38	-40.35
160	11/2/2021	1	2	60.38	Yes	20.38	-40.00
161	11/2/2021	1	3	60.26	Yes	20.38	-39.88
162	11/2/2021	1	4	58.39	Yes	20.38	-38.01
163	11/2/2021	1	5	57.01	Yes	20.38	-36.63
164	11/2/2021	1	6	56.53	Yes	20.38	-36.15
165	11/2/2021	1	7	53.18	Yes	20.38	-32.80
166	11/2/2021	1	8	52.22	Yes	20.38	-31.84
167	11/2/2021	1	9	52.21	Yes	20.38	-31.83
168	11/2/2021	6	11	63.15	Yes	20.38	-42.77
169	11/2/2021	6	12	61.27	Yes	20.38	-40.89
170	11/2/2021	7	1	58.85	Yes	20.38	-38.47
171	11/2/2021	7	2	58.92	Yes	20.38	-38.54
172	11/2/2021	7	3	60.15	Yes	20.38	-39.77
173	11/2/2021	7	4	56.18	Yes	20.38	-35.80
174	11/2/2021	7	5	56.95	Yes	20.38	-36.57
175	11/2/2021	7	6	58.93	Yes	20.38	-38.55
176	11/2/2021	7	7	59.08	Yes	20.38	-38.70
177	11/2/2021	7	8	58.84	Yes	20.38	-38.46
178	11/2/2021	7	9	59.95	Yes	20.38	-39.57
179	11/2/2021	7	10	60.16	Yes	20.38	-39.78
180	11/2/2021	7	11	65.52	Yes	20.38	-45.14
181	11/2/2021	7	12	66.50	Yes	20.38	-46.12
182	11/2/2021	15	4	35.66	Yes	20.38	-15.28
183	11/2/2021	15	5	37.24	Yes	20.38	-16.86
184	11/2/2021	15	6	37.97	Yes	20.38	-17.59
185	11/2/2021	15	7	38.39	Yes	20.38	-18.01
186	11/2/2021	15	8	38.26	Yes	20.38	-17.88



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
187	11/2/2021	15	9	37.84	Yes	20.38	-17.46
188	11/2/2021	15	10	36.35	Yes	20.38	-15.97
189	11/2/2021	15	11	36.66	Yes	20.38	-16.28
190	11/2/2021	15	12	35.72	Yes	20.38	-15.34
191	11/2/2021	16	1	36.10	Yes	20.38	-15.72
192	11/2/2021	16	2	33.21	Yes	20.38	-12.83
193	11/2/2021	16	3	33.18	Yes	20.38	-12.80
194	11/2/2021	16	4	33.53	Yes	20.38	-13.15
195	11/2/2021	16	5	32.43	Yes	20.38	-12.05
196	11/2/2021	16	6	33.53	Yes	20.38	-13.15
197	11/2/2021	16	7	32.16	Yes	20.38	-11.78
198	11/2/2021	16	8	38.38	Yes	20.38	-18.00
199	11/2/2021	16	9	37.52	Yes	20.38	-17.14
200	11/2/2021	16	10	39.40	Yes	20.38	-19.02
201	11/2/2021	16	11	38.88	Yes	20.38	-18.50
202	11/2/2021	16	12	37.70	Yes	20.38	-17.32
203	11/2/2021	17	1	32.91	Yes	20.38	-12.53
204	11/2/2021	17	2	33.03	Yes	20.38	-12.65
205	11/2/2021	17	3	37.02	Yes	20.38	-16.64
206	11/2/2021	17	4	39.10	Yes	20.38	-18.72
207	11/2/2021	17	5	40.72	Yes	20.38	-20.34
208	11/2/2021	17	6	42.75	Yes	20.38	-22.37
209	11/2/2021	17	7	47.45	Yes	20.38	-27.07
210	11/2/2021	17	8	52.21	Yes	20.38	-31.83
211	11/2/2021	17	9	52.84	Yes	20.38	-32.46
212	11/2/2021	17	10	53.13	Yes	20.38	-32.75
213	11/2/2021	17	11	58.34	Yes	20.38	-37.96
214	11/2/2021	17	12	60.14	Yes	20.38	-39.76
215	11/2/2021	18	1	47.10	Yes	20.38	-26.72
216	11/2/2021	18	2	50.79	Yes	20.38	-30.41
217	11/2/2021	18	3	51.53	Yes	20.38	-31.15
218	11/2/2021	18	4	53.68	Yes	20.38	-33.30
219	11/2/2021	18	5	56.67	Yes	20.38	-36.29
220	11/2/2021	18	6	64.70	Yes	20.38	-44.32
221	11/2/2021	18	7	64.84	Yes	20.38	-44.46
222	11/2/2021	18	8	67.11	Yes	20.38	-46.73
223	11/2/2021	18	9	72.37	Yes	20.38	-51.99
224	11/2/2021	18	10	73.36	Yes	20.38	-52.98

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
225	11/2/2021	18	11	87.16	Yes	20.38	-66.78
226	11/2/2021	18	12	80.76	Yes	20.38	-60.38
227	11/2/2021	19	1	61.89	Yes	20.38	-41.51
228	11/2/2021	19	2	61.82	Yes	20.38	-41.44
229	11/2/2021	19	3	61.80	Yes	20.38	-41.42
230	11/2/2021	19	4	65.26	Yes	20.38	-44.88
231	11/2/2021	19	5	66.99	Yes	20.38	-46.61
232	11/2/2021	19	6	68.32	Yes	20.38	-47.94
233	11/2/2021	19	7	69.37	Yes	20.38	-48.99
234	11/2/2021	19	8	67.32	Yes	20.38	-46.94
235	11/2/2021	19	9	67.85	Yes	20.38	-47.47
236	11/2/2021	19	10	65.45	Yes	20.38	-45.07
237	11/2/2021	19	11	64.64	Yes	20.38	-44.26
238	11/2/2021	19	12	62.98	Yes	20.38	-42.60
239	11/2/2021	20	1	67.29	Yes	20.38	-46.91
240	11/2/2021	20	2	66.82	Yes	20.38	-46.44
241	11/2/2021	20	3	65.66	Yes	20.38	-45.28
242	11/2/2021	20	4	64.68	Yes	20.38	-44.30
243	11/2/2021	20	5	65.73	Yes	20.38	-45.35
244	11/2/2021	20	6	66.78	Yes	20.38	-46.40
245	11/2/2021	20	7	66.99	Yes	20.38	-46.61
246	11/2/2021	20	8	64.57	Yes	20.38	-44.19
247	11/2/2021	20	9	66.99	Yes	20.38	-46.61
248	11/2/2021	20	10	69.55	Yes	20.38	-49.17
249	11/2/2021	20	11	68.09	Yes	20.38	-47.71
250	11/2/2021	20	12	69.82	Yes	20.38	-49.44
251	11/2/2021	21	1	70.66	Yes	20.38	-50.28
252	11/2/2021	21	2	70.91	Yes	20.38	-50.53
253	11/2/2021	21	3	75.49	Yes	20.38	-55.11
254	11/2/2021	21	4	73.12	Yes	20.38	-52.74
255	11/2/2021	21	5	75.48	Yes	20.38	-55.10
256	11/2/2021	21	6	75.48	Yes	20.38	-55.10
257	11/2/2021	21	7	76.09	Yes	20.38	-55.71
258	11/2/2021	21	8	76.09	Yes	20.38	-55.71
259	11/2/2021	21	9	74.33	Yes	20.38	-53.95
260	11/2/2021	21	10	75.64	Yes	20.38	-55.26
261	11/2/2021	21	11	76.31	Yes	20.38	-55.93
262	11/2/2021	21	12	75.75	Yes	20.38	-55.37

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
263	11/2/2021	22	1	79.19	Yes	20.38	-58.81
264	11/2/2021	22	2	76.19	Yes	20.38	-55.81
265	11/2/2021	22	3	70.71	Yes	20.38	-50.33
266	11/2/2021	22	4	65.78	Yes	20.38	-45.40
267	11/2/2021	22	5	66.20	Yes	20.38	-45.82
268	11/2/2021	22	6	66.37	Yes	20.38	-45.99
269	11/2/2021	22	7	73.64	Yes	20.38	-53.26
270	11/2/2021	22	8	70.23	Yes	20.38	-49.85
271	11/2/2021	22	9	71.17	Yes	20.38	-50.79
272	11/2/2021	22	10	67.50	Yes	20.38	-47.12
273	11/2/2021	22	11	69.04	Yes	20.38	-48.66
274	11/2/2021	22	12	69.71	Yes	20.38	-49.33
275	11/2/2021	23	1	83.54	Yes	20.38	-63.16
276	11/2/2021	23	2	83.95	Yes	20.38	-63.57
277	11/2/2021	23	3	80.62	Yes	20.38	-60.24
278	11/2/2021	23	4	79.51	Yes	20.38	-59.13
279	11/2/2021	23	5	76.58	Yes	20.38	-56.20
280	11/2/2021	23	6	70.80	Yes	20.38	-50.42
281	11/2/2021	23	7	63.69	Yes	20.38	-43.31
282	11/2/2021	23	8	59.40	Yes	20.38	-39.02
283	11/2/2021	23	9	56.80	Yes	20.38	-36.42
284	11/2/2021	23	10	56.07	Yes	20.38	-35.69
285	11/2/2021	23	11	56.15	Yes	20.38	-35.77
286	11/2/2021	23	12	56.99	Yes	20.38	-36.61
287	11/2/2021	24	1	72.36	Yes	20.38	-51.98
288	11/2/2021	24	2	75.31	Yes	20.38	-54.93
289	11/2/2021	24	3	69.00	Yes	20.38	-48.62
290	11/2/2021	24	4	75.87	Yes	20.38	-55.49
291	11/2/2021	24	5	75.24	Yes	20.38	-54.86
292	11/2/2021	24	6	70.33	Yes	20.38	-49.95
293	11/2/2021	24	7	68.65	Yes	20.38	-48.27
294	11/2/2021	24	8	67.00	Yes	20.38	-46.62
295	11/2/2021	24	9	63.30	Yes	20.38	-42.92
296	11/2/2021	24	10	62.96	Yes	20.38	-42.58
297	11/2/2021	24	11	61.30	Yes	20.38	-40.92
298	11/2/2021	24	12	58.82	Yes	20.38	-38.44
299	11/3/2021	1	1	56.71	Yes	20.7	-36.01
300	11/3/2021	1	2	58.44	Yes	20.7	-37.74

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
301	11/3/2021	1	3	59.56	Yes	20.7	-38.86
302	11/3/2021	1	4	58.86	Yes	20.7	-38.16
303	11/3/2021	1	5	58.50	Yes	20.7	-37.80
304	11/3/2021	1	6	57.89	Yes	20.7	-37.19
305	11/3/2021	1	7	57.26	Yes	20.7	-36.56
306	11/3/2021	1	8	56.08	Yes	20.7	-35.38
307	11/3/2021	1	9	56.08	Yes	20.7	-35.38
308	11/3/2021	1	10	56.02	Yes	20.7	-35.32
309	11/3/2021	1	11	55.67	Yes	20.7	-34.97
310	11/3/2021	1	12	56.58	Yes	20.7	-35.88
311	11/3/2021	2	1	57.23	Yes	20.7	-36.53
312	11/3/2021	2	2	58.40	Yes	20.7	-37.70
313	11/3/2021	2	3	58.14	Yes	20.7	-37.44
314	11/3/2021	2	4	57.74	Yes	20.7	-37.04
315	11/3/2021	2	5	56.94	Yes	20.7	-36.24
316	11/3/2021	2	6	55.75	Yes	20.7	-35.05
317	11/3/2021	2	7	56.15	Yes	20.7	-35.45
318	11/3/2021	2	8	54.12	Yes	20.7	-33.42
319	11/3/2021	2	9	54.03	Yes	20.7	-33.33
320	11/3/2021	2	10	53.30	Yes	20.7	-32.60
321	11/3/2021	2	11	53.00	Yes	20.7	-32.30
322	11/3/2021	2	12	53.00	Yes	20.7	-32.30
323	11/3/2021	3	1	53.59	Yes	20.7	-32.89
324	11/3/2021	3	2	53.65	Yes	20.7	-32.95
325	11/3/2021	3	3	53.65	Yes	20.7	-32.95
326	11/3/2021	3	4	54.03	Yes	20.7	-33.33
327	11/3/2021	3	5	53.30	Yes	20.7	-32.60
328	11/3/2021	3	6	53.03	Yes	20.7	-32.33
329	11/3/2021	3	7	52.85	Yes	20.7	-32.15
330	11/3/2021	3	8	53.00	Yes	20.7	-32.30
331	11/3/2021	3	9	52.89	Yes	20.7	-32.19
332	11/3/2021	3	10	51.74	Yes	20.7	-31.04
333	11/3/2021	3	11	51.70	Yes	20.7	-31.00
334	11/3/2021	3	12	51.36	Yes	20.7	-30.66
335	11/3/2021	4	1	52.43	Yes	20.7	-31.73
336	11/3/2021	4	2	52.42	Yes	20.7	-31.72
337	11/3/2021	4	3	51.74	Yes	20.7	-31.04
338	11/3/2021	4	4	51.57	Yes	20.7	-30.87

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
339	11/3/2021	4	5	51.57	Yes	20.7	-30.87
340	11/3/2021	4	6	51.57	Yes	20.7	-30.87
341	11/3/2021	4	7	51.57	Yes	20.7	-30.87
342	11/3/2021	4	8	51.57	Yes	20.7	-30.87
343	11/3/2021	4	9	51.57	Yes	20.7	-30.87
344	11/3/2021	4	10	51.74	Yes	20.7	-31.04
345	11/3/2021	4	11	51.74	Yes	20.7	-31.04
346	11/3/2021	4	12	52.43	Yes	20.7	-31.73
347	11/3/2021	5	1	51.74	Yes	20.7	-31.04
348	11/3/2021	5	2	51.74	Yes	20.7	-31.04
349	11/3/2021	5	3	51.88	Yes	20.7	-31.18
350	11/3/2021	5	4	52.16	Yes	20.7	-31.46
351	11/3/2021	5	5	52.18	Yes	20.7	-31.48
352	11/3/2021	5	6	52.60	Yes	20.7	-31.90
353	11/3/2021	5	7	53.49	Yes	20.7	-32.79
354	11/3/2021	5	8	53.69	Yes	20.7	-32.99
355	11/3/2021	5	9	54.38	Yes	20.7	-33.68
356	11/3/2021	5	10	55.82	Yes	20.7	-35.12
357	11/3/2021	5	11	55.82	Yes	20.7	-35.12
358	11/3/2021	5	12	56.26	Yes	20.7	-35.56
359	11/3/2021	6	1	56.12	Yes	20.7	-35.42
360	11/3/2021	6	2	58.31	Yes	20.7	-37.61
361	11/3/2021	6	3	59.61	Yes	20.7	-38.91
362	11/3/2021	6	4	62.52	Yes	20.7	-41.82
363	11/3/2021	6	5	66.23	Yes	20.7	-45.53
364	11/3/2021	6	6	66.74	Yes	20.7	-46.04
365	11/3/2021	6	7	60.71	Yes	20.7	-40.01
366	11/3/2021	6	8	62.91	Yes	20.7	-42.21
367	11/3/2021	6	9	63.72	Yes	20.7	-43.02
368	11/3/2021	6	10	66.60	Yes	20.7	-45.90
369	11/3/2021	6	11	64.86	Yes	20.7	-44.16
370	11/3/2021	6	12	63.03	Yes	20.7	-42.33
371	11/3/2021	7	1	58.31	Yes	20.7	-37.61
372	11/3/2021	7	2	59.01	Yes	20.7	-38.31
373	11/3/2021	7	3	60.45	Yes	20.7	-39.75
374	11/3/2021	7	4	62.91	Yes	20.7	-42.21
375	11/3/2021	7	5	63.63	Yes	20.7	-42.93
376	11/3/2021	7	6	65.42	Yes	20.7	-44.72

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
377	11/3/2021	7	7	66.73	Yes	20.7	-46.03
378	11/3/2021	7	8	68.98	Yes	20.7	-48.28
379	11/3/2021	7	9	74.89	Yes	20.7	-54.19
380	11/3/2021	7	10	77.21	Yes	20.7	-56.51
381	11/3/2021	7	11	83.04	Yes	20.7	-62.34
382	11/3/2021	7	12	82.14	Yes	20.7	-61.44
383	11/3/2021	8	1	78.69	Yes	20.7	-57.99
384	11/3/2021	8	2	84.11	Yes	20.7	-63.41
385	11/3/2021	8	3	83.61	Yes	20.7	-62.91
386	11/3/2021	8	4	74.61	Yes	20.7	-53.91
387	11/3/2021	8	5	68.73	Yes	20.7	-48.03
388	11/3/2021	8	6	64.25	Yes	20.7	-43.55
389	11/3/2021	8	7	76.11	Yes	20.7	-55.41
390	11/3/2021	8	8	70.43	Yes	20.7	-49.73
391	11/3/2021	8	9	66.24	Yes	20.7	-45.54
392	11/3/2021	8	10	58.10	Yes	20.7	-37.40
393	11/3/2021	8	11	56.89	Yes	20.7	-36.19
394	11/3/2021	8	12	56.89	Yes	20.7	-36.19
395	11/3/2021	9	1	75.58	Yes	20.7	-54.88
396	11/3/2021	9	2	69.81	Yes	20.7	-49.11
397	11/3/2021	9	3	63.22	Yes	20.7	-42.52
398	11/3/2021	9	4	62.42	Yes	20.7	-41.72
399	11/3/2021	9	5	58.76	Yes	20.7	-38.06
400	11/3/2021	9	6	55.41	Yes	20.7	-34.71
401	11/3/2021	9	7	56.49	Yes	20.7	-35.79
402	11/3/2021	9	8	54.72	Yes	20.7	-34.02
403	11/3/2021	9	9	53.90	Yes	20.7	-33.20
404	11/3/2021	9	10	52.29	Yes	20.7	-31.59
405	11/3/2021	9	11	50.92	Yes	20.7	-30.22
406	11/3/2021	9	12	50.25	Yes	20.7	-29.55
407	11/3/2021	10	1	51.64	Yes	20.7	-30.94
408	11/3/2021	10	2	51.64	Yes	20.7	-30.94
409	11/3/2021	10	3	52.19	Yes	20.7	-31.49
410	11/3/2021	10	4	51.33	Yes	20.7	-30.63
411	11/3/2021	10	5	50.76	Yes	20.7	-30.06
412	11/3/2021	10	6	50.74	Yes	20.7	-30.04
413	11/3/2021	10	7	49.07	Yes	20.7	-28.37
414	11/3/2021	10	8	48.51	Yes	20.7	-27.81

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
415	11/3/2021	10	9	47.81	Yes	20.7	-27.11
416	11/3/2021	10	10	42.60	Yes	20.7	-21.90
417	11/3/2021	10	11	40.68	Yes	20.7	-19.98
418	11/3/2021	10	12	39.27	Yes	20.7	-18.57
419	11/3/2021	11	1	39.41	Yes	20.7	-18.71
420	11/3/2021	11	2	39.60	Yes	20.7	-18.90
421	11/3/2021	11	3	38.86	Yes	20.7	-18.16
422	11/3/2021	11	4	38.89	Yes	20.7	-18.19
423	11/3/2021	11	5	37.70	Yes	20.7	-17.00
424	11/3/2021	11	6	36.32	Yes	20.7	-15.62
425	11/3/2021	11	7	39.11	Yes	20.7	-18.41
426	11/3/2021	11	8	39.01	Yes	20.7	-18.31
427	11/3/2021	11	9	39.01	Yes	20.7	-18.31
428	11/3/2021	11	10	38.76	Yes	20.7	-18.06
429	11/3/2021	11	11	38.52	Yes	20.7	-17.82
430	11/3/2021	11	12	38.13	Yes	20.7	-17.43
431	11/3/2021	12	1	41.19	Yes	20.7	-20.49
432	11/3/2021	12	2	39.04	Yes	20.7	-18.34
433	11/3/2021	12	3	38.90	Yes	20.7	-18.20
434	11/3/2021	12	4	40.97	Yes	20.7	-20.27
435	11/3/2021	12	5	40.78	Yes	20.7	-20.08
436	11/3/2021	12	6	40.97	Yes	20.7	-20.27
437	11/3/2021	12	7	41.08	Yes	20.7	-20.38
438	11/3/2021	12	8	39.58	Yes	20.7	-18.88
439	11/3/2021	12	9	39.39	Yes	20.7	-18.69
440	11/3/2021	12	10	38.44	Yes	20.7	-17.74
441	11/3/2021	12	11	38.35	Yes	20.7	-17.65
442	11/3/2021	12	12	38.08	Yes	20.7	-17.38
443	11/3/2021	13	1	39.50	Yes	20.7	-18.80
444	11/3/2021	13	2	37.56	Yes	20.7	-16.86
445	11/3/2021	13	3	37.46	Yes	20.7	-16.76
446	11/3/2021	13	4	37.95	Yes	20.7	-17.25
447	11/3/2021	13	5	37.58	Yes	20.7	-16.88
448	11/3/2021	13	6	38.17	Yes	20.7	-17.47
449	11/3/2021	13	7	38.50	Yes	20.7	-17.80
450	11/3/2021	13	8	38.16	Yes	20.7	-17.46
451	11/3/2021	13	9	37.88	Yes	20.7	-17.18
452	11/3/2021	13	10	37.39	Yes	20.7	-16.69

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
453	11/3/2021	13	11	36.23	Yes	20.7	-15.53
454	11/3/2021	13	12	36.23	Yes	20.7	-15.53
455	11/3/2021	14	1	38.05	Yes	20.7	-17.35
456	11/3/2021	14	2	40.81	Yes	20.7	-20.11
457	11/3/2021	14	3	41.04	Yes	20.7	-20.34
458	11/3/2021	14	4	41.01	Yes	20.7	-20.31
459	11/3/2021	14	5	38.80	Yes	20.7	-18.10
460	11/3/2021	14	6	38.13	Yes	20.7	-17.43
461	11/3/2021	14	7	36.41	Yes	20.7	-15.71
462	11/3/2021	14	8	35.31	Yes	20.7	-14.61
463	11/3/2021	14	9	35.08	Yes	20.7	-14.38
464	11/3/2021	14	10	36.17	Yes	20.7	-15.47
465	11/3/2021	14	11	37.87	Yes	20.7	-17.17
466	11/3/2021	14	12	45.50	Yes	20.7	-24.80
467	11/3/2021	15	1	46.28	Yes	20.7	-25.58
468	11/3/2021	15	2	47.30	Yes	20.7	-26.60
469	11/3/2021	15	3	51.46	Yes	20.7	-30.76
470	11/3/2021	15	4	50.85	Yes	20.7	-30.15
471	11/3/2021	15	5	49.86	Yes	20.7	-29.16
472	11/3/2021	15	6	48.61	Yes	20.7	-27.91
473	11/3/2021	15	7	48.62	Yes	20.7	-27.92
474	11/3/2021	15	8	48.76	Yes	20.7	-28.06
475	11/3/2021	15	9	50.39	Yes	20.7	-29.69
476	11/3/2021	15	10	51.59	Yes	20.7	-30.89
477	11/3/2021	15	11	51.87	Yes	20.7	-31.17
478	11/3/2021	15	12	52.74	Yes	20.7	-32.04
479	11/3/2021	16	1	50.41	Yes	20.7	-29.71
480	11/3/2021	16	2	49.17	Yes	20.7	-28.47
481	11/3/2021	16	3	49.60	Yes	20.7	-28.90
482	11/3/2021	16	4	47.82	Yes	20.7	-27.12
483	11/3/2021	16	5	46.83	Yes	20.7	-26.13
484	11/3/2021	16	6	47.86	Yes	20.7	-27.16
485	11/3/2021	16	7	48.96	Yes	20.7	-28.26
486	11/3/2021	16	8	49.60	Yes	20.7	-28.90
487	11/3/2021	16	9	51.70	Yes	20.7	-31.00
488	11/3/2021	16	10	52.70	Yes	20.7	-32.00
489	11/3/2021	16	11	51.72	Yes	20.7	-31.02
490	11/3/2021	16	12	49.03	Yes	20.7	-28.33



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
491	11/3/2021	17	1	46.82	Yes	20.7	-26.12
492	11/3/2021	17	2	46.82	Yes	20.7	-26.12
493	11/3/2021	17	3	47.99	Yes	20.7	-27.29
494	11/3/2021	17	4	50.66	Yes	20.7	-29.96
495	11/3/2021	17	5	52.68	Yes	20.7	-31.98
496	11/3/2021	17	6	54.54	Yes	20.7	-33.84
497	11/3/2021	17	7	56.41	Yes	20.7	-35.71
498	11/3/2021	17	8	63.82	Yes	20.7	-43.12
499	11/3/2021	17	9	80.36	Yes	20.7	-59.66
500	11/3/2021	17	10	65.79	Yes	20.7	-45.09
501	11/3/2021	17	11	82.03	Yes	20.7	-61.33
502	11/3/2021	17	12	85.14	Yes	20.7	-64.44
503	11/3/2021	18	1	51.05	Yes	20.7	-30.35
504	11/3/2021	18	2	52.69	Yes	20.7	-31.99
505	11/3/2021	18	3	53.52	Yes	20.7	-32.82
506	11/3/2021	18	4	55.33	Yes	20.7	-34.63
507	11/3/2021	18	5	57.51	Yes	20.7	-36.81
508	11/3/2021	18	6	60.52	Yes	20.7	-39.82
509	11/3/2021	18	7	62.42	Yes	20.7	-41.72
510	11/3/2021	18	8	75.50	Yes	20.7	-54.80
511	11/3/2021	18	9	77.11	Yes	20.7	-56.41
512	11/3/2021	18	10	78.01	Yes	20.7	-57.31
513	11/3/2021	18	11	85.28	Yes	20.7	-64.58
514	11/3/2021	18	12	84.95	Yes	20.7	-64.25
515	11/3/2021	19	1	74.93	Yes	20.7	-54.23
516	11/3/2021	19	2	74.50	Yes	20.7	-53.80
517	11/3/2021	19	3	74.50	Yes	20.7	-53.80
518	11/3/2021	19	4	78.91	Yes	20.7	-58.21
519	11/3/2021	19	5	77.08	Yes	20.7	-56.38
520	11/3/2021	19	6	75.60	Yes	20.7	-54.90
521	11/3/2021	19	7	72.63	Yes	20.7	-51.93
522	11/3/2021	19	8	71.76	Yes	20.7	-51.06
523	11/3/2021	19	9	71.76	Yes	20.7	-51.06
524	11/3/2021	19	10	69.43	Yes	20.7	-48.73
525	11/3/2021	19	11	68.72	Yes	20.7	-48.02
526	11/3/2021	19	12	67.88	Yes	20.7	-47.18
527	11/3/2021	20	1	67.59	Yes	20.7	-46.89
528	11/3/2021	20	2	67.34	Yes	20.7	-46.64

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
529	11/3/2021	20	3	67.73	Yes	20.7	-47.03
530	11/3/2021	20	4	68.37	Yes	20.7	-47.67
531	11/3/2021	20	5	67.65	Yes	20.7	-46.95
532	11/3/2021	20	6	65.99	Yes	20.7	-45.29
533	11/3/2021	20	7	65.19	Yes	20.7	-44.49
534	11/3/2021	20	8	63.41	Yes	20.7	-42.71
535	11/3/2021	20	9	62.77	Yes	20.7	-42.07
536	11/3/2021	20	10	68.54	Yes	20.7	-47.84
537	11/3/2021	20	11	67.90	Yes	20.7	-47.20
538	11/3/2021	20	12	68.66	Yes	20.7	-47.96
539	11/3/2021	21	1	77.98	Yes	20.7	-57.28
540	11/3/2021	21	2	77.98	Yes	20.7	-57.28
541	11/3/2021	21	3	77.98	Yes	20.7	-57.28
542	11/3/2021	21	4	77.34	Yes	20.7	-56.64
543	11/3/2021	21	5	77.34	Yes	20.7	-56.64
544	11/3/2021	21	6	76.54	Yes	20.7	-55.84
545	11/3/2021	21	7	74.79	Yes	20.7	-54.09
546	11/3/2021	21	8	70.09	Yes	20.7	-49.39
547	11/3/2021	21	9	70.09	Yes	20.7	-49.39
548	11/3/2021	21	10	66.99	Yes	20.7	-46.29
549	11/3/2021	21	11	67.37	Yes	20.7	-46.67
550	11/3/2021	21	12	69.67	Yes	20.7	-48.97
551	11/3/2021	22	1	71.68	Yes	20.7	-50.98
552	11/3/2021	22	2	73.65	Yes	20.7	-52.95
553	11/3/2021	22	3	72.43	Yes	20.7	-51.73
554	11/3/2021	22	4	71.64	Yes	20.7	-50.94
555	11/3/2021	22	5	72.38	Yes	20.7	-51.68
556	11/3/2021	22	6	70.97	Yes	20.7	-50.27
557	11/3/2021	22	7	71.78	Yes	20.7	-51.08
558	11/3/2021	22	8	70.35	Yes	20.7	-49.65
559	11/3/2021	22	9	69.93	Yes	20.7	-49.23
560	11/3/2021	22	10	69.00	Yes	20.7	-48.30
561	11/3/2021	22	11	67.58	Yes	20.7	-46.88
562	11/3/2021	22	12	67.57	Yes	20.7	-46.87
563	11/3/2021	23	1	76.78	Yes	20.7	-56.08
564	11/3/2021	23	2	72.86	Yes	20.7	-52.16
565	11/3/2021	23	3	69.61	Yes	20.7	-48.91
566	11/3/2021	23	4	63.68	Yes	20.7	-42.98

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
567	11/3/2021	23	5	63.46	Yes	20.7	-42.76
568	11/3/2021	23	6	59.12	Yes	20.7	-38.42
569	11/3/2021	23	7	64.79	Yes	20.7	-44.09
570	11/3/2021	23	8	63.63	Yes	20.7	-42.93
571	11/3/2021	23	9	63.40	Yes	20.7	-42.70
572	11/3/2021	23	10	60.63	Yes	20.7	-39.93
573	11/3/2021	23	11	60.32	Yes	20.7	-39.62
574	11/3/2021	23	12	59.77	Yes	20.7	-39.07
575	11/3/2021	24	1	65.80	Yes	20.7	-45.10
576	11/3/2021	24	2	65.81	Yes	20.7	-45.11
577	11/3/2021	24	3	65.81	Yes	20.7	-45.11
578	11/3/2021	24	4	62.03	Yes	20.7	-41.33
579	11/3/2021	24	5	60.10	Yes	20.7	-39.40
580	11/3/2021	24	6	59.39	Yes	20.7	-38.69
581	11/3/2021	24	7	59.29	Yes	20.7	-38.59
582	11/3/2021	24	8	56.53	Yes	20.7	-35.83
583	11/3/2021	24	9	59.29	Yes	20.7	-38.59
584	11/3/2021	24	10	61.48	Yes	20.7	-40.78
585	11/3/2021	24	11	61.05	Yes	20.7	-40.35
586	11/3/2021	24	12	56.26	Yes	20.7	-35.56
587	11/4/2021	1	1	53.20	Yes	19.44	-33.76
588	11/4/2021	1	2	54.55	Yes	19.44	-35.11
589	11/4/2021	1	3	54.81	Yes	19.44	-35.37
590	11/4/2021	1	4	55.38	Yes	19.44	-35.94
591	11/4/2021	1	5	54.85	Yes	19.44	-35.41
592	11/4/2021	1	6	57.06	Yes	19.44	-37.62
593	11/4/2021	1	7	54.41	Yes	19.44	-34.97
594	11/4/2021	1	8	52.77	Yes	19.44	-33.33
595	11/4/2021	1	9	52.73	Yes	19.44	-33.29
596	11/4/2021	1	10	52.66	Yes	19.44	-33.22
597	11/4/2021	1	11	51.04	Yes	19.44	-31.60
598	11/4/2021	1	12	50.68	Yes	19.44	-31.24
599	11/4/2021	2	1	54.45	Yes	19.44	-35.01
600	11/4/2021	2	2	53.55	Yes	19.44	-34.11
601	11/4/2021	2	3	55.12	Yes	19.44	-35.68
602	11/4/2021	2	4	55.18	Yes	19.44	-35.74
603	11/4/2021	2	5	55.19	Yes	19.44	-35.75
604	11/4/2021	2	6	54.10	Yes	19.44	-34.66

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
605	11/4/2021	2	7	54.80	Yes	19.44	-35.36
606	11/4/2021	2	8	52.89	Yes	19.44	-33.45
607	11/4/2021	2	9	52.65	Yes	19.44	-33.21
608	11/4/2021	2	10	52.34	Yes	19.44	-32.90
609	11/4/2021	2	11	51.67	Yes	19.44	-32.23
610	11/4/2021	2	12	51.73	Yes	19.44	-32.29
611	11/4/2021	3	1	51.39	Yes	19.44	-31.95
612	11/4/2021	3	2	51.64	Yes	19.44	-32.20
613	11/4/2021	3	3	51.39	Yes	19.44	-31.95
614	11/4/2021	3	4	50.98	Yes	19.44	-31.54
615	11/4/2021	3	5	50.93	Yes	19.44	-31.49
616	11/4/2021	3	6	50.62	Yes	19.44	-31.18
617	11/4/2021	3	7	50.90	Yes	19.44	-31.46
618	11/4/2021	3	8	50.53	Yes	19.44	-31.09
619	11/4/2021	3	9	50.53	Yes	19.44	-31.09
620	11/4/2021	3	10	50.56	Yes	19.44	-31.12
621	11/4/2021	3	11	50.56	Yes	19.44	-31.12
622	11/4/2021	3	12	50.35	Yes	19.44	-30.91
623	11/4/2021	4	1	52.11	Yes	19.44	-32.67
624	11/4/2021	4	2	52.31	Yes	19.44	-32.87
625	11/4/2021	4	3	52.20	Yes	19.44	-32.76
626	11/4/2021	4	4	52.10	Yes	19.44	-32.66
627	11/4/2021	4	5	52.10	Yes	19.44	-32.66
628	11/4/2021	4	6	52.18	Yes	19.44	-32.74
629	11/4/2021	4	7	52.20	Yes	19.44	-32.76
630	11/4/2021	4	8	52.16	Yes	19.44	-32.72
631	11/4/2021	4	9	52.16	Yes	19.44	-32.72
632	11/4/2021	4	10	52.04	Yes	19.44	-32.60
633	11/4/2021	4	11	51.91	Yes	19.44	-32.47
634	11/4/2021	4	12	51.97	Yes	19.44	-32.53
635	11/4/2021	5	1	52.69	Yes	19.44	-33.25
636	11/4/2021	5	2	54.04	Yes	19.44	-34.60
637	11/4/2021	5	3	57.34	Yes	19.44	-37.90
638	11/4/2021	5	4	75.54	Yes	19.44	-56.10
639	11/4/2021	5	5	66.02	Yes	19.44	-46.58
640	11/4/2021	5	6	66.04	Yes	19.44	-46.60
641	11/4/2021	5	7	67.40	Yes	19.44	-47.96
642	11/4/2021	5	8	67.28	Yes	19.44	-47.84

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
643	11/4/2021	5	9	67.30	Yes	19.44	-47.86
644	11/4/2021	5	10	66.91	Yes	19.44	-47.47
645	11/4/2021	5	11	62.15	Yes	19.44	-42.71
646	11/4/2021	5	12	67.31	Yes	19.44	-47.87
647	11/4/2021	6	1	58.15	Yes	19.44	-38.71
648	11/4/2021	6	2	57.42	Yes	19.44	-37.98
649	11/4/2021	6	3	57.51	Yes	19.44	-38.07
650	11/4/2021	6	4	59.57	Yes	19.44	-40.13
651	11/4/2021	6	5	60.25	Yes	19.44	-40.81
652	11/4/2021	6	6	61.37	Yes	19.44	-41.93
653	11/4/2021	6	7	58.65	Yes	19.44	-39.21
654	11/4/2021	6	8	60.15	Yes	19.44	-40.71
655	11/4/2021	6	9	62.89	Yes	19.44	-43.45
656	11/4/2021	6	10	70.68	Yes	19.44	-51.24
657	11/4/2021	6	11	72.80	Yes	19.44	-53.36
658	11/4/2021	6	12	79.36	Yes	19.44	-59.92
659	11/4/2021	7	1	61.08	Yes	19.44	-41.64
660	11/4/2021	7	2	64.33	Yes	19.44	-44.89
661	11/4/2021	7	3	66.45	Yes	19.44	-47.01
662	11/4/2021	7	4	64.53	Yes	19.44	-45.09
663	11/4/2021	7	5	70.00	Yes	19.44	-50.56
664	11/4/2021	7	6	69.55	Yes	19.44	-50.11
665	11/4/2021	7	7	70.94	Yes	19.44	-51.50
666	11/4/2021	7	8	70.94	Yes	19.44	-51.50
667	11/4/2021	7	9	71.01	Yes	19.44	-51.57
668	11/4/2021	7	10	78.73	Yes	19.44	-59.29
669	11/4/2021	7	11	82.53	Yes	19.44	-63.09
670	11/4/2021	7	12	82.58	Yes	19.44	-63.14
671	11/4/2021	8	1	86.16	Yes	19.44	-66.72
672	11/4/2021	8	2	87.40	Yes	19.44	-67.96
673	11/4/2021	8	3	87.85	Yes	19.44	-68.41
674	11/4/2021	8	4	89.27	Yes	19.44	-69.83
675	11/4/2021	8	5	86.81	Yes	19.44	-67.37
676	11/4/2021	8	6	84.52	Yes	19.44	-65.08
677	11/4/2021	8	7	69.88	Yes	19.44	-50.44
678	11/4/2021	8	8	66.18	Yes	19.44	-46.74
679	11/4/2021	8	9	62.54	Yes	19.44	-43.10
680	11/4/2021	8	10	62.35	Yes	19.44	-42.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
681	11/4/2021	8	11	59.51	Yes	19.44	-40.07
682	11/4/2021	8	12	60.64	Yes	19.44	-41.20
683	11/4/2021	9	1	71.68	Yes	19.44	-52.24
684	11/4/2021	9	2	63.28	Yes	19.44	-43.84
685	11/4/2021	9	3	57.15	Yes	19.44	-37.71
686	11/4/2021	9	4	57.21	Yes	19.44	-37.77
687	11/4/2021	9	5	55.38	Yes	19.44	-35.94
688	11/4/2021	9	6	54.28	Yes	19.44	-34.84
689	11/4/2021	9	7	52.70	Yes	19.44	-33.26
690	11/4/2021	9	8	52.41	Yes	19.44	-32.97
691	11/4/2021	9	9	50.48	Yes	19.44	-31.04
692	11/4/2021	9	10	47.99	Yes	19.44	-28.55
693	11/4/2021	9	11	47.93	Yes	19.44	-28.49
694	11/4/2021	9	12	47.22	Yes	19.44	-27.78
695	11/4/2021	10	1	51.30	Yes	19.44	-31.86
696	11/4/2021	10	2	51.13	Yes	19.44	-31.69
697	11/4/2021	10	3	51.95	Yes	19.44	-32.51
698	11/4/2021	10	4	51.25	Yes	19.44	-31.81
699	11/4/2021	10	5	50.06	Yes	19.44	-30.62
700	11/4/2021	10	6	50.84	Yes	19.44	-31.40
701	11/4/2021	10	7	48.88	Yes	19.44	-29.44
702	11/4/2021	10	8	47.91	Yes	19.44	-28.47
703	11/4/2021	10	9	47.19	Yes	19.44	-27.75
704	11/4/2021	10	10	49.38	Yes	19.44	-29.94
705	11/4/2021	10	11	48.80	Yes	19.44	-29.36
706	11/4/2021	10	12	48.15	Yes	19.44	-28.71
707	11/4/2021	11	1	49.58	Yes	19.44	-30.14
708	11/4/2021	11	2	48.88	Yes	19.44	-29.44
709	11/4/2021	11	3	49.49	Yes	19.44	-30.05
710	11/4/2021	11	4	66.89	Yes	19.44	-47.45
711	11/4/2021	11	5	66.31	Yes	19.44	-46.87
712	11/4/2021	11	6	65.19	Yes	19.44	-45.75
713	11/4/2021	11	7	70.55	Yes	19.44	-51.11
714	11/4/2021	11	8	73.43	Yes	19.44	-53.99
715	11/4/2021	11	9	64.94	Yes	19.44	-45.50
716	11/4/2021	11	10	50.05	Yes	19.44	-30.61
717	11/4/2021	11	11	44.86	Yes	19.44	-25.42
718	11/4/2021	11	12	45.49	Yes	19.44	-26.05

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
719	11/4/2021	12	1	46.96	Yes	19.44	-27.52
720	11/4/2021	12	2	46.79	Yes	19.44	-27.35
721	11/4/2021	12	3	45.62	Yes	19.44	-26.18
722	11/4/2021	12	4	45.69	Yes	19.44	-26.25
723	11/4/2021	12	5	45.56	Yes	19.44	-26.12
724	11/4/2021	12	6	45.60	Yes	19.44	-26.16
725	11/4/2021	12	7	42.31	Yes	19.44	-22.87
726	11/4/2021	12	8	42.55	Yes	19.44	-23.11
727	11/4/2021	12	9	41.65	Yes	19.44	-22.21
728	11/4/2021	12	10	44.74	Yes	19.44	-25.30
729	11/4/2021	12	11	45.08	Yes	19.44	-25.64
730	11/4/2021	12	12	44.90	Yes	19.44	-25.46
731	11/4/2021	13	1	46.83	Yes	19.44	-27.39
732	11/4/2021	13	2	48.92	Yes	19.44	-29.48
733	11/4/2021	13	3	46.14	Yes	19.44	-26.70
734	11/4/2021	13	4	43.72	Yes	19.44	-24.28
735	11/4/2021	13	5	45.86	Yes	19.44	-26.42
736	11/4/2021	13	6	46.32	Yes	19.44	-26.88
737	11/4/2021	13	7	45.38	Yes	19.44	-25.94
738	11/4/2021	13	8	45.61	Yes	19.44	-26.17
739	11/4/2021	13	9	45.57	Yes	19.44	-26.13
740	11/4/2021	13	10	45.70	Yes	19.44	-26.26
741	11/4/2021	13	11	45.70	Yes	19.44	-26.26
742	11/4/2021	13	12	45.78	Yes	19.44	-26.34
743	11/4/2021	14	1	46.04	Yes	19.44	-26.60
744	11/4/2021	14	2	45.29	Yes	19.44	-25.85
745	11/4/2021	14	3	46.42	Yes	19.44	-26.98
746	11/4/2021	14	4	35.77	Yes	19.44	-16.33
747	11/4/2021	14	5	44.55	Yes	19.44	-25.11
748	11/4/2021	14	6	44.23	Yes	19.44	-24.79
749	11/4/2021	14	7	44.14	Yes	19.44	-24.70
750	11/4/2021	14	8	44.52	Yes	19.44	-25.08
751	11/4/2021	14	9	45.12	Yes	19.44	-25.68
752	11/4/2021	14	10	45.25	Yes	19.44	-25.81
753	11/4/2021	14	11	43.52	Yes	19.44	-24.08
754	11/4/2021	14	12	43.19	Yes	19.44	-23.75
755	11/4/2021	15	1	40.59	Yes	19.44	-21.15
756	11/4/2021	15	2	40.25	Yes	19.44	-20.81

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757	11/4/2021	15	3	40.27	Yes	19.44	-20.83
758	11/4/2021	15	4	40.54	Yes	19.44	-21.10
759	11/4/2021	15	5	39.89	Yes	19.44	-20.45
760	11/4/2021	15	6	39.97	Yes	19.44	-20.53
761	11/4/2021	15	7	39.52	Yes	19.44	-20.08
762	11/4/2021	15	8	41.17	Yes	19.44	-21.73
763	11/4/2021	15	9	47.08	Yes	19.44	-27.64
764	11/4/2021	15	10	49.77	Yes	19.44	-30.33
765	11/4/2021	15	11	50.61	Yes	19.44	-31.17
766	11/4/2021	15	12	50.62	Yes	19.44	-31.18
767	11/4/2021	16	1	44.74	Yes	19.44	-25.30
768	11/4/2021	16	2	43.19	Yes	19.44	-23.75
769	11/4/2021	16	3	43.19	Yes	19.44	-23.75
770	11/4/2021	16	4	44.09	Yes	19.44	-24.65
771	11/4/2021	16	5	44.99	Yes	19.44	-25.55
772	11/4/2021	16	6	46.76	Yes	19.44	-27.32
773	11/4/2021	16	7	44.05	Yes	19.44	-24.61
774	11/4/2021	16	8	45.10	Yes	19.44	-25.66
775	11/4/2021	16	9	43.33	Yes	19.44	-23.89
776	11/4/2021	16	10	44.43	Yes	19.44	-24.99
777	11/4/2021	16	11	44.23	Yes	19.44	-24.79
778	11/4/2021	16	12	44.52	Yes	19.44	-25.08
779	11/4/2021	17	1	40.01	Yes	19.44	-20.57
780	11/4/2021	17	2	35.07	Yes	19.44	-15.63
781	11/4/2021	17	3	39.96	Yes	19.44	-20.52
782	11/4/2021	17	4	46.24	Yes	19.44	-26.80
783	11/4/2021	17	5	48.31	Yes	19.44	-28.87
784	11/4/2021	17	6	50.60	Yes	19.44	-31.16
785	11/4/2021	17	7	51.86	Yes	19.44	-32.42
786	11/4/2021	17	8	61.32	Yes	19.44	-41.88
787	11/4/2021	17	9	66.93	Yes	19.44	-47.49
788	11/4/2021	17	10	67.04	Yes	19.44	-47.60
789	11/4/2021	17	11	76.27	Yes	19.44	-56.83
790	11/4/2021	17	12	85.47	Yes	19.44	-66.03
791	11/4/2021	18	1	48.55	Yes	19.44	-29.11
792	11/4/2021	18	2	53.56	Yes	19.44	-34.12
793	11/4/2021	18	3	49.66	Yes	19.44	-30.22
794	11/4/2021	18	4	50.06	Yes	19.44	-30.62



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795	11/4/2021	18	5	55.36	Yes	19.44	-35.92
796	11/4/2021	18	6	55.13	Yes	19.44	-35.69
797	11/4/2021	18	7	54.75	Yes	19.44	-35.31
798	11/4/2021	18	8	75.60	Yes	19.44	-56.16
799	11/4/2021	18	9	56.42	Yes	19.44	-36.98
800	11/4/2021	18	10	56.06	Yes	19.44	-36.62
801	11/4/2021	18	11	57.26	Yes	19.44	-37.82
802	11/4/2021	18	12	59.75	Yes	19.44	-40.31
803	11/4/2021	19	1	49.51	Yes	19.44	-30.07
804	11/4/2021	19	2	49.51	Yes	19.44	-30.07
805	11/4/2021	19	3	49.56	Yes	19.44	-30.12
806	11/4/2021	19	4	53.50	Yes	19.44	-34.06
807	11/4/2021	19	5	52.37	Yes	19.44	-32.93
808	11/4/2021	19	6	52.08	Yes	19.44	-32.64
809	11/4/2021	19	7	57.87	Yes	19.44	-38.43
810	11/4/2021	19	8	54.13	Yes	19.44	-34.69
811	11/4/2021	19	9	55.34	Yes	19.44	-35.90
812	11/4/2021	19	10	51.74	Yes	19.44	-32.30
813	11/4/2021	19	11	49.30	Yes	19.44	-29.86
814	11/4/2021	19	12	48.51	Yes	19.44	-29.07
815	11/4/2021	20	1	54.78	Yes	19.44	-35.34
816	11/4/2021	20	2	53.00	Yes	19.44	-33.56
817	11/4/2021	20	3	51.70	Yes	19.44	-32.26
818	11/4/2021	20	4	51.82	Yes	19.44	-32.38
819	11/4/2021	20	5	53.25	Yes	19.44	-33.81
820	11/4/2021	20	6	51.67	Yes	19.44	-32.23
821	11/4/2021	20	7	53.51	Yes	19.44	-34.07
822	11/4/2021	20	8	52.08	Yes	19.44	-32.64
823	11/4/2021	20	9	51.38	Yes	19.44	-31.94
824	11/4/2021	20	10	51.06	Yes	19.44	-31.62
825	11/4/2021	20	11	50.90	Yes	19.44	-31.46
826	11/4/2021	20	12	50.42	Yes	19.44	-30.98
827	11/4/2021	21	1	52.03	Yes	19.44	-32.59
828	11/4/2021	21	2	50.26	Yes	19.44	-30.82
829	11/4/2021	21	3	49.87	Yes	19.44	-30.43
830	11/4/2021	21	4	50.37	Yes	19.44	-30.93
831	11/4/2021	21	5	50.37	Yes	19.44	-30.93
832	11/4/2021	21	6	50.21	Yes	19.44	-30.77

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833	11/4/2021	21	7	53.38	Yes	19.44	-33.94
834	11/4/2021	21	8	53.60	Yes	19.44	-34.16
835	11/4/2021	21	9	53.58	Yes	19.44	-34.14
836	11/4/2021	21	10	52.53	Yes	19.44	-33.09
837	11/4/2021	21	11	52.21	Yes	19.44	-32.77
838	11/4/2021	21	12	52.21	Yes	19.44	-32.77
839	11/4/2021	22	1	56.27	Yes	19.44	-36.83
840	11/4/2021	22	2	57.16	Yes	19.44	-37.72
841	11/4/2021	22	3	56.06	Yes	19.44	-36.62
842	11/4/2021	22	4	54.81	Yes	19.44	-35.37
843	11/4/2021	22	5	53.90	Yes	19.44	-34.46
844	11/4/2021	22	6	53.27	Yes	19.44	-33.83
845	11/4/2021	22	7	52.15	Yes	19.44	-32.71
846	11/4/2021	22	8	51.78	Yes	19.44	-32.34
847	11/4/2021	22	9	51.52	Yes	19.44	-32.08
848	11/4/2021	22	10	50.56	Yes	19.44	-31.12
849	11/4/2021	22	11	50.29	Yes	19.44	-30.85
850	11/4/2021	22	12	50.29	Yes	19.44	-30.85
851	11/4/2021	23	1	49.53	Yes	19.44	-30.09
852	11/4/2021	23	2	48.99	Yes	19.44	-29.55
853	11/4/2021	23	3	48.93	Yes	19.44	-29.49
854	11/4/2021	23	4	49.14	Yes	19.44	-29.70
855	11/4/2021	23	5	48.76	Yes	19.44	-29.32
856	11/4/2021	23	6	48.38	Yes	19.44	-28.94
857	11/4/2021	23	7	48.07	Yes	19.44	-28.63
858	11/4/2021	23	8	48.07	Yes	19.44	-28.63
859	11/4/2021	23	9	47.68	Yes	19.44	-28.24
860	11/4/2021	23	10	46.61	Yes	19.44	-27.17
861	11/4/2021	23	11	46.73	Yes	19.44	-27.29
862	11/4/2021	23	12	44.52	Yes	19.44	-25.08
863	11/4/2021	24	1	45.78	Yes	19.44	-26.34
864	11/4/2021	24	2	44.75	Yes	19.44	-25.31
865	11/4/2021	24	3	44.75	Yes	19.44	-25.31
866	11/4/2021	24	4	44.11	Yes	19.44	-24.67
867	11/4/2021	24	5	44.11	Yes	19.44	-24.67
868	11/4/2021	24	6	44.18	Yes	19.44	-24.74
869	11/4/2021	24	7	44.11	Yes	19.44	-24.67
870	11/4/2021	24	8	43.94	Yes	19.44	-24.50

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871	11/4/2021	24	9	44.37	Yes	19.44	-24.93
872	11/4/2021	24	10	44.72	Yes	19.44	-25.28
873	11/4/2021	24	11	44.79	Yes	19.44	-25.35
874	11/4/2021	24	12	44.84	Yes	19.44	-25.40
875	11/5/2021	1	1	48.07	Yes	18.83	-29.24
876	11/5/2021	1	2	48.07	Yes	18.83	-29.24
877	11/5/2021	1	3	48.07	Yes	18.83	-29.24
878	11/5/2021	1	4	47.34	Yes	18.83	-28.51
879	11/5/2021	1	5	47.34	Yes	18.83	-28.51
880	11/5/2021	1	6	47.34	Yes	18.83	-28.51
881	11/5/2021	1	7	47.40	Yes	18.83	-28.57
882	11/5/2021	1	8	46.58	Yes	18.83	-27.75
883	11/5/2021	1	9	46.51	Yes	18.83	-27.68
884	11/5/2021	1	10	45.99	Yes	18.83	-27.16
885	11/5/2021	1	11	45.98	Yes	18.83	-27.15
886	11/5/2021	1	12	45.48	Yes	18.83	-26.65
887	11/5/2021	2	1	47.17	Yes	18.83	-28.34
888	11/5/2021	2	2	46.79	Yes	18.83	-27.96
889	11/5/2021	2	3	46.78	Yes	18.83	-27.95
890	11/5/2021	2	4	46.62	Yes	18.83	-27.79
891	11/5/2021	2	5	46.70	Yes	18.83	-27.87
892	11/5/2021	2	6	46.67	Yes	18.83	-27.84
893	11/5/2021	2	7	46.61	Yes	18.83	-27.78
894	11/5/2021	2	8	46.63	Yes	18.83	-27.80
895	11/5/2021	2	9	46.57	Yes	18.83	-27.74
896	11/5/2021	2	10	46.30	Yes	18.83	-27.47
897	11/5/2021	2	11	46.24	Yes	18.83	-27.41
898	11/5/2021	2	12	46.13	Yes	18.83	-27.30
899	11/5/2021	3	1	45.53	Yes	18.83	-26.70
900	11/5/2021	3	2	45.53	Yes	18.83	-26.70
901	11/5/2021	3	3	45.58	Yes	18.83	-26.75
902	11/5/2021	3	4	45.55	Yes	18.83	-26.72
903	11/5/2021	3	5	45.44	Yes	18.83	-26.61
904	11/5/2021	3	6	45.60	Yes	18.83	-26.77
905	11/5/2021	3	7	45.56	Yes	18.83	-26.73
906	11/5/2021	3	8	45.61	Yes	18.83	-26.78
907	11/5/2021	3	9	45.56	Yes	18.83	-26.73
908	11/5/2021	3	10	45.52	Yes	18.83	-26.69

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909	11/5/2021	3	11	45.55	Yes	18.83	-26.72
910	11/5/2021	3	12	45.77	Yes	18.83	-26.94
911	11/5/2021	4	1	46.07	Yes	18.83	-27.24
912	11/5/2021	4	2	46.52	Yes	18.83	-27.69
913	11/5/2021	4	3	46.52	Yes	18.83	-27.69
914	11/5/2021	4	4	46.51	Yes	18.83	-27.68
915	11/5/2021	4	5	47.06	Yes	18.83	-28.23
916	11/5/2021	4	6	47.06	Yes	18.83	-28.23
917	11/5/2021	4	7	46.66	Yes	18.83	-27.83
918	11/5/2021	4	8	47.39	Yes	18.83	-28.56
919	11/5/2021	4	9	47.61	Yes	18.83	-28.78
920	11/5/2021	4	10	47.69	Yes	18.83	-28.86
921	11/5/2021	4	11	47.69	Yes	18.83	-28.86
922	11/5/2021	4	12	48.00	Yes	18.83	-29.17
923	11/5/2021	5	1	47.34	Yes	18.83	-28.51
924	11/5/2021	5	2	47.38	Yes	18.83	-28.55
925	11/5/2021	5	3	47.65	Yes	18.83	-28.82
926	11/5/2021	5	4	48.13	Yes	18.83	-29.30
927	11/5/2021	5	5	48.89	Yes	18.83	-30.06
928	11/5/2021	5	6	49.61	Yes	18.83	-30.78
929	11/5/2021	5	7	50.32	Yes	18.83	-31.49
930	11/5/2021	5	8	50.48	Yes	18.83	-31.65
931	11/5/2021	5	9	50.55	Yes	18.83	-31.72
932	11/5/2021	5	10	51.02	Yes	18.83	-32.19
933	11/5/2021	5	11	51.11	Yes	18.83	-32.28
934	11/5/2021	5	12	51.11	Yes	18.83	-32.28
935	11/5/2021	6	1	49.10	Yes	18.83	-30.27
936	11/5/2021	6	2	50.52	Yes	18.83	-31.69
937	11/5/2021	6	3	51.13	Yes	18.83	-32.30
938	11/5/2021	6	4	51.72	Yes	18.83	-32.89
939	11/5/2021	6	5	53.15	Yes	18.83	-34.32
940	11/5/2021	6	6	53.76	Yes	18.83	-34.93
941	11/5/2021	6	7	54.42	Yes	18.83	-35.59
942	11/5/2021	6	8	56.87	Yes	18.83	-38.04
943	11/5/2021	6	9	59.08	Yes	18.83	-40.25
944	11/5/2021	6	10	60.88	Yes	18.83	-42.05
945	11/5/2021	6	11	60.58	Yes	18.83	-41.75
946	11/5/2021	6	12	59.66	Yes	18.83	-40.83

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
947	11/5/2021	7	1	53.40	Yes	18.83	-34.57
948	11/5/2021	7	2	54.51	Yes	18.83	-35.68
949	11/5/2021	7	3	56.25	Yes	18.83	-37.42
950	11/5/2021	7	4	56.37	Yes	18.83	-37.54
951	11/5/2021	7	5	63.28	Yes	18.83	-44.45
952	11/5/2021	7	6	64.42	Yes	18.83	-45.59
953	11/5/2021	7	7	69.52	Yes	18.83	-50.69
954	11/5/2021	7	8	71.67	Yes	18.83	-52.84
955	11/5/2021	7	9	75.53	Yes	18.83	-56.70
956	11/5/2021	7	10	76.04	Yes	18.83	-57.21
957	11/5/2021	7	11	77.21	Yes	18.83	-58.38
958	11/5/2021	7	12	77.21	Yes	18.83	-58.38
959	11/5/2021	8	1	72.04	Yes	18.83	-53.21
960	11/5/2021	8	2	66.42	Yes	18.83	-47.59
961	11/5/2021	8	3	64.57	Yes	18.83	-45.74
962	11/5/2021	8	4	69.47	Yes	18.83	-50.64
963	11/5/2021	8	5	65.66	Yes	18.83	-46.83
964	11/5/2021	8	6	64.45	Yes	18.83	-45.62
965	11/5/2021	8	7	63.53	Yes	18.83	-44.70
966	11/5/2021	8	8	64.98	Yes	18.83	-46.15
967	11/5/2021	8	9	62.20	Yes	18.83	-43.37
968	11/5/2021	8	10	65.36	Yes	18.83	-46.53
969	11/5/2021	8	11	65.37	Yes	18.83	-46.54
970	11/5/2021	9	4	64.10	Yes	18.83	-45.27
971	11/5/2021	9	5	56.84	Yes	18.83	-38.01
972	11/5/2021	9	6	52.99	Yes	18.83	-34.16
973	11/5/2021	9	7	51.70	Yes	18.83	-32.87
974	11/5/2021	9	8	49.72	Yes	18.83	-30.89
975	11/5/2021	9	9	47.91	Yes	18.83	-29.08
976	11/5/2021	9	10	47.78	Yes	18.83	-28.95
977	11/5/2021	9	11	46.97	Yes	18.83	-28.14
978	11/5/2021	9	12	46.55	Yes	18.83	-27.72
979	11/5/2021	10	1	49.02	Yes	18.83	-30.19
980	11/5/2021	10	2	48.21	Yes	18.83	-29.38
981	11/5/2021	10	3	53.33	Yes	18.83	-34.50
982	11/5/2021	10	4	50.65	Yes	18.83	-31.82
983	11/5/2021	10	5	50.75	Yes	18.83	-31.92
984	11/5/2021	10	6	50.53	Yes	18.83	-31.70

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
985	11/5/2021	10	7	50.45	Yes	18.83	-31.62
986	11/5/2021	10	8	48.24	Yes	18.83	-29.41
987	11/5/2021	10	9	46.55	Yes	18.83	-27.72
988	11/5/2021	10	10	43.85	Yes	18.83	-25.02
989	11/5/2021	10	11	37.10	Yes	18.83	-18.27
990	11/5/2021	10	12	40.32	Yes	18.83	-21.49
991	11/5/2021	11	1	46.16	Yes	18.83	-27.33
992	11/5/2021	11	2	44.67	Yes	18.83	-25.84
993	11/5/2021	11	3	41.23	Yes	18.83	-22.40
994	11/5/2021	11	4	31.62	Yes	18.83	-12.79
995	11/5/2021	11	5	27.35	Yes	18.83	-8.52
996	11/5/2021	11	6	18.96	Yes	18.83	-0.13
997	11/5/2021	11	7	27.20	Yes	18.83	-8.37
998	11/5/2021	11	8	21.54	Yes	18.83	-2.71
999	11/5/2021	11	9	21.54	Yes	18.83	-2.71
1000	11/5/2021	11	10	21.48	Yes	18.83	-2.65
1001	11/5/2021	11	11	21.48	Yes	18.83	-2.65
1002	11/5/2021	11	12	27.05	Yes	18.83	-8.22
1003	11/5/2021	12	1	27.80	Yes	18.83	-8.97
1004	11/5/2021	12	2	33.47	Yes	18.83	-14.64
1005	11/5/2021	12	3	33.42	Yes	18.83	-14.59
1006	11/5/2021	12	4	41.22	Yes	18.83	-22.39
1007	11/5/2021	12	5	39.01	Yes	18.83	-20.18
1008	11/5/2021	12	6	40.01	Yes	18.83	-21.18
1009	11/5/2021	12	7	32.81	Yes	18.83	-13.98
1010	11/5/2021	12	8	33.55	Yes	18.83	-14.72
1011	11/5/2021	12	9	32.81	Yes	18.83	-13.98
1012	11/5/2021	12	10	32.09	Yes	18.83	-13.26
1013	11/5/2021	12	11	30.73	Yes	18.83	-11.90
1014	11/5/2021	12	12	38.30	Yes	18.83	-19.47
1015	11/5/2021	13	1	35.23	Yes	18.83	-16.40
1016	11/5/2021	13	2	35.68	Yes	18.83	-16.85
1017	11/5/2021	13	3	35.68	Yes	18.83	-16.85
1018	11/5/2021	13	4	36.79	Yes	18.83	-17.96
1019	11/5/2021	13	5	36.20	Yes	18.83	-17.37
1020	11/5/2021	13	6	39.84	Yes	18.83	-21.01
1021	11/5/2021	13	7	31.96	Yes	18.83	-13.13
1022	11/5/2021	13	8	32.29	Yes	18.83	-13.46

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1023	11/5/2021	13	9	33.70	Yes	18.83	-14.87
1024	11/5/2021	13	10	32.56	Yes	18.83	-13.73
1025	11/5/2021	13	11	32.27	Yes	18.83	-13.44
1026	11/5/2021	13	12	35.11	Yes	18.83	-16.28
1027	11/5/2021	14	1	34.74	Yes	18.83	-15.91
1028	11/5/2021	14	2	34.56	Yes	18.83	-15.73
1029	11/5/2021	14	3	34.74	Yes	18.83	-15.91
1030	11/5/2021	14	4	34.04	Yes	18.83	-15.21
1031	11/5/2021	14	5	33.77	Yes	18.83	-14.94
1032	11/5/2021	14	6	35.19	Yes	18.83	-16.36
1033	11/5/2021	14	7	36.74	Yes	18.83	-17.91
1034	11/5/2021	14	8	36.51	Yes	18.83	-17.68
1035	11/5/2021	14	9	37.52	Yes	18.83	-18.69
1036	11/5/2021	14	10	35.58	Yes	18.83	-16.75
1037	11/5/2021	14	11	35.59	Yes	18.83	-16.76
1038	11/5/2021	14	12	35.73	Yes	18.83	-16.90
1039	11/5/2021	15	1	35.11	Yes	18.83	-16.28
1040	11/5/2021	15	2	37.82	Yes	18.83	-18.99
1041	11/5/2021	15	3	37.33	Yes	18.83	-18.50
1042	11/5/2021	15	4	36.12	Yes	18.83	-17.29
1043	11/5/2021	15	5	35.23	Yes	18.83	-16.40
1044	11/5/2021	15	6	35.56	Yes	18.83	-16.73
1045	11/5/2021	15	7	36.66	Yes	18.83	-17.83
1046	11/5/2021	15	8	36.94	Yes	18.83	-18.11
1047	11/5/2021	15	9	36.98	Yes	18.83	-18.15
1048	11/5/2021	15	10	38.52	Yes	18.83	-19.69
1049	11/5/2021	15	11	41.15	Yes	18.83	-22.32
1050	11/5/2021	15	12	44.93	Yes	18.83	-26.10
1051	11/5/2021	16	1	44.93	Yes	18.83	-26.10
1052	11/5/2021	16	2	44.93	Yes	18.83	-26.10
1053	11/5/2021	16	3	44.93	Yes	18.83	-26.10
1054	11/5/2021	16	4	44.93	Yes	18.83	-26.10
1055	11/5/2021	16	5	44.93	Yes	18.83	-26.10
1056	11/5/2021	16	6	44.93	Yes	18.83	-26.10
1057	11/5/2021	16	7	44.93	Yes	18.83	-26.10
1058	11/5/2021	16	8	44.93	Yes	18.83	-26.10
1059	11/5/2021	16	9	44.93	Yes	18.83	-26.10
1060	11/5/2021	16	10	44.93	Yes	18.83	-26.10

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1061	11/5/2021	16	11	44.93	Yes	18.83	-26.10
1062	11/5/2021	16	12	44.93	Yes	18.83	-26.10
1063	11/5/2021	17	1	44.93	Yes	18.83	-26.10
1064	11/5/2021	17	2	44.93	Yes	18.83	-26.10
1065	11/5/2021	17	3	44.93	Yes	18.83	-26.10
1066	11/5/2021	17	4	44.93	Yes	18.83	-26.10
1067	11/5/2021	17	5	44.93	Yes	18.83	-26.10
1068	11/5/2021	17	6	44.93	Yes	18.83	-26.10
1069	11/5/2021	17	7	44.93	Yes	18.83	-26.10
1070	11/5/2021	17	8	44.93	Yes	18.83	-26.10
1071	11/5/2021	17	9	44.93	Yes	18.83	-26.10
1072	11/5/2021	17	10	44.93	Yes	18.83	-26.10
1073	11/5/2021	17	11	44.93	Yes	18.83	-26.10
1074	11/5/2021	17	12	44.93	Yes	18.83	-26.10
1075	11/5/2021	18	1	48.38	Yes	18.83	-29.55
1076	11/5/2021	18	2	48.40	Yes	18.83	-29.57
1077	11/5/2021	18	3	48.95	Yes	18.83	-30.12
1078	11/5/2021	18	4	49.47	Yes	18.83	-30.64
1079	11/5/2021	18	5	50.70	Yes	18.83	-31.87
1080	11/5/2021	18	6	53.64	Yes	18.83	-34.81
1081	11/5/2021	18	7	59.56	Yes	18.83	-40.73
1082	11/5/2021	18	8	63.88	Yes	18.83	-45.05
1083	11/5/2021	18	9	68.45	Yes	18.83	-49.62
1084	11/5/2021	18	10	71.94	Yes	18.83	-53.11
1085	11/5/2021	18	11	74.61	Yes	18.83	-55.78
1086	11/5/2021	18	12	75.88	Yes	18.83	-57.05
1087	11/5/2021	19	1	51.27	Yes	18.83	-32.44
1088	11/5/2021	19	2	50.28	Yes	18.83	-31.45
1089	11/5/2021	19	3	54.76	Yes	18.83	-35.93
1090	11/5/2021	19	4	58.20	Yes	18.83	-39.37
1091	11/5/2021	19	5	59.25	Yes	18.83	-40.42
1092	11/5/2021	19	6	58.83	Yes	18.83	-40.00
1093	11/5/2021	19	7	61.45	Yes	18.83	-42.62
1094	11/5/2021	19	8	60.60	Yes	18.83	-41.77
1095	11/5/2021	19	9	57.01	Yes	18.83	-38.18
1096	11/5/2021	19	10	56.58	Yes	18.83	-37.75
1097	11/5/2021	19	11	52.69	Yes	18.83	-33.86
1098	11/5/2021	19	12	52.15	Yes	18.83	-33.32



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1099	11/5/2021	20	1	62.27	Yes	18.83	-43.44
1100	11/5/2021	20	2	59.14	Yes	18.83	-40.31
1101	11/5/2021	20	3	58.45	Yes	18.83	-39.62
1102	11/5/2021	20	4	58.25	Yes	18.83	-39.42
1103	11/5/2021	20	5	57.11	Yes	18.83	-38.28
1104	11/5/2021	20	6	56.17	Yes	18.83	-37.34
1105	11/5/2021	20	7	55.06	Yes	18.83	-36.23
1106	11/5/2021	20	8	54.12	Yes	18.83	-35.29
1107	11/5/2021	20	9	53.89	Yes	18.83	-35.06
1108	11/5/2021	20	10	53.60	Yes	18.83	-34.77
1109	11/5/2021	20	11	53.33	Yes	18.83	-34.50
1110	11/5/2021	20	12	51.79	Yes	18.83	-32.96
1111	11/5/2021	21	1	58.10	Yes	18.83	-39.27
1112	11/5/2021	21	2	59.66	Yes	18.83	-40.83
1113	11/5/2021	21	3	60.18	Yes	18.83	-41.35
1114	11/5/2021	21	4	57.29	Yes	18.83	-38.46
1115	11/5/2021	21	5	57.04	Yes	18.83	-38.21
1116	11/5/2021	21	6	56.78	Yes	18.83	-37.95
1117	11/5/2021	21	7	56.23	Yes	18.83	-37.40
1118	11/5/2021	21	8	55.83	Yes	18.83	-37.00
1119	11/5/2021	21	9	53.93	Yes	18.83	-35.10
1120	11/5/2021	21	10	60.01	Yes	18.83	-41.18
1121	11/5/2021	21	11	59.86	Yes	18.83	-41.03
1122	11/5/2021	21	12	56.63	Yes	18.83	-37.80
1123	11/5/2021	22	1	56.12	Yes	18.83	-37.29
1124	11/5/2021	22	2	55.26	Yes	18.83	-36.43
1125	11/5/2021	22	3	53.63	Yes	18.83	-34.80
1126	11/5/2021	22	4	53.59	Yes	18.83	-34.76
1127	11/5/2021	22	5	55.41	Yes	18.83	-36.58
1128	11/5/2021	22	6	60.90	Yes	18.83	-42.07
1129	11/5/2021	22	7	62.55	Yes	18.83	-43.72
1130	11/5/2021	22	8	60.85	Yes	18.83	-42.02
1131	11/5/2021	22	9	57.20	Yes	18.83	-38.37
1132	11/5/2021	22	10	56.69	Yes	18.83	-37.86
1133	11/5/2021	22	11	57.19	Yes	18.83	-38.36
1134	11/5/2021	22	12	59.50	Yes	18.83	-40.67
1135	11/5/2021	23	1	62.78	Yes	18.83	-43.95
1136	11/5/2021	23	2	64.17	Yes	18.83	-45.34

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1137	11/5/2021	23	3	63.78	Yes	18.83	-44.95
1138	11/5/2021	23	4	62.53	Yes	18.83	-43.70
1139	11/5/2021	23	5	58.01	Yes	18.83	-39.18
1140	11/5/2021	23	6	58.88	Yes	18.83	-40.05
1141	11/5/2021	23	7	58.06	Yes	18.83	-39.23
1142	11/5/2021	23	8	58.48	Yes	18.83	-39.65
1143	11/5/2021	23	9	55.84	Yes	18.83	-37.01
1144	11/5/2021	23	10	54.40	Yes	18.83	-35.57
1145	11/5/2021	23	11	53.19	Yes	18.83	-34.36
1146	11/5/2021	23	12	54.84	Yes	18.83	-36.01
1147	11/5/2021	24	1	59.81	Yes	18.83	-40.98
1148	11/5/2021	24	2	59.45	Yes	18.83	-40.62
1149	11/5/2021	24	3	59.76	Yes	18.83	-40.93
1150	11/5/2021	24	4	55.62	Yes	18.83	-36.79
1151	11/5/2021	24	5	55.51	Yes	18.83	-36.68
1152	11/5/2021	24	6	54.26	Yes	18.83	-35.43
1153	11/5/2021	24	7	53.48	Yes	18.83	-34.65
1154	11/5/2021	24	8	51.58	Yes	18.83	-32.75
1155	11/5/2021	24	9	50.78	Yes	18.83	-31.95
1156	11/5/2021	24	10	51.05	Yes	18.83	-32.22
1157	11/5/2021	24	11	50.50	Yes	18.83	-31.67
1158	11/5/2021	24	12	50.15	Yes	18.83	-31.32
1159	11/6/2021	1	1	54.97	Yes	19.27	-35.70
1160	11/6/2021	1	2	54.41	Yes	19.27	-35.14
1161	11/6/2021	1	3	53.26	Yes	19.27	-33.99
1162	11/6/2021	1	4	51.89	Yes	19.27	-32.62
1163	11/6/2021	1	5	50.09	Yes	19.27	-30.82
1164	11/6/2021	1	6	50.62	Yes	19.27	-31.35
1165	11/6/2021	1	7	53.66	Yes	19.27	-34.39
1166	11/6/2021	1	8	52.98	Yes	19.27	-33.71
1167	11/6/2021	1	9	52.74	Yes	19.27	-33.47
1168	11/6/2021	1	10	51.94	Yes	19.27	-32.67
1169	11/6/2021	1	11	51.96	Yes	19.27	-32.69
1170	11/6/2021	1	12	51.49	Yes	19.27	-32.22
1171	11/6/2021	2	1	52.21	Yes	19.27	-32.94
1172	11/6/2021	2	2	52.21	Yes	19.27	-32.94
1173	11/6/2021	2	3	52.57	Yes	19.27	-33.30
1174	11/6/2021	2	4	51.93	Yes	19.27	-32.66

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1175	11/6/2021	2	5	51.37	Yes	19.27	-32.10
1176	11/6/2021	2	6	51.49	Yes	19.27	-32.22
1177	11/6/2021	2	7	51.57	Yes	19.27	-32.30
1178	11/6/2021	2	8	50.88	Yes	19.27	-31.61
1179	11/6/2021	2	9	50.72	Yes	19.27	-31.45
1180	11/6/2021	2	10	50.19	Yes	19.27	-30.92
1181	11/6/2021	2	11	50.05	Yes	19.27	-30.78
1182	11/6/2021	2	12	50.81	Yes	19.27	-31.54
1183	11/6/2021	3	1	54.07	Yes	19.27	-34.80
1184	11/6/2021	3	2	53.68	Yes	19.27	-34.41
1185	11/6/2021	3	3	54.07	Yes	19.27	-34.80
1186	11/6/2021	3	4	53.88	Yes	19.27	-34.61
1187	11/6/2021	3	5	53.88	Yes	19.27	-34.61
1188	11/6/2021	3	6	53.88	Yes	19.27	-34.61
1189	11/6/2021	3	7	53.73	Yes	19.27	-34.46
1190	11/6/2021	3	8	53.72	Yes	19.27	-34.45
1191	11/6/2021	3	9	53.72	Yes	19.27	-34.45
1192	11/6/2021	3	10	53.71	Yes	19.27	-34.44
1193	11/6/2021	3	11	53.71	Yes	19.27	-34.44
1194	11/6/2021	3	12	53.19	Yes	19.27	-33.92
1195	11/6/2021	4	1	53.19	Yes	19.27	-33.92
1196	11/6/2021	4	2	52.90	Yes	19.27	-33.63
1197	11/6/2021	4	3	53.19	Yes	19.27	-33.92
1198	11/6/2021	4	4	52.11	Yes	19.27	-32.84
1199	11/6/2021	4	5	51.82	Yes	19.27	-32.55
1200	11/6/2021	4	6	52.26	Yes	19.27	-32.99
1201	11/6/2021	4	7	52.38	Yes	19.27	-33.11
1202	11/6/2021	4	8	52.38	Yes	19.27	-33.11
1203	11/6/2021	4	9	51.72	Yes	19.27	-32.45
1204	11/6/2021	4	10	50.86	Yes	19.27	-31.59
1205	11/6/2021	4	11	49.75	Yes	19.27	-30.48
1206	11/6/2021	4	12	49.52	Yes	19.27	-30.25
1207	11/6/2021	5	1	49.69	Yes	19.27	-30.42
1208	11/6/2021	5	2	49.69	Yes	19.27	-30.42
1209	11/6/2021	5	3	50.22	Yes	19.27	-30.95
1210	11/6/2021	5	4	49.66	Yes	19.27	-30.39
1211	11/6/2021	5	5	50.18	Yes	19.27	-30.91
1212	11/6/2021	5	6	50.39	Yes	19.27	-31.12

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1213	11/6/2021	5	7	50.64	Yes	19.27	-31.37
1214	11/6/2021	5	8	50.64	Yes	19.27	-31.37
1215	11/6/2021	5	9	50.80	Yes	19.27	-31.53
1216	11/6/2021	5	10	51.13	Yes	19.27	-31.86
1217	11/6/2021	5	11	51.13	Yes	19.27	-31.86
1218	11/6/2021	5	12	52.22	Yes	19.27	-32.95
1219	11/6/2021	6	1	51.63	Yes	19.27	-32.36
1220	11/6/2021	6	2	51.97	Yes	19.27	-32.70
1221	11/6/2021	6	3	52.81	Yes	19.27	-33.54
1222	11/6/2021	6	4	54.03	Yes	19.27	-34.76
1223	11/6/2021	6	5	54.16	Yes	19.27	-34.89
1224	11/6/2021	6	6	54.30	Yes	19.27	-35.03
1225	11/6/2021	6	7	54.29	Yes	19.27	-35.02
1226	11/6/2021	6	8	56.27	Yes	19.27	-37.00
1227	11/6/2021	6	9	55.85	Yes	19.27	-36.58
1228	11/6/2021	6	10	55.74	Yes	19.27	-36.47
1229	11/6/2021	6	11	55.74	Yes	19.27	-36.47
1230	11/6/2021	6	12	55.30	Yes	19.27	-36.03
1231	11/6/2021	7	1	53.75	Yes	19.27	-34.48
1232	11/6/2021	7	2	53.91	Yes	19.27	-34.64
1233	11/6/2021	7	3	54.03	Yes	19.27	-34.76
1234	11/6/2021	7	4	55.10	Yes	19.27	-35.83
1235	11/6/2021	7	5	55.10	Yes	19.27	-35.83
1236	11/6/2021	7	6	55.17	Yes	19.27	-35.90
1237	11/6/2021	7	7	55.35	Yes	19.27	-36.08
1238	11/6/2021	7	8	55.62	Yes	19.27	-36.35
1239	11/6/2021	7	9	57.95	Yes	19.27	-38.68
1240	11/6/2021	7	10	61.86	Yes	19.27	-42.59
1241	11/6/2021	7	11	62.68	Yes	19.27	-43.41
1242	11/6/2021	7	12	65.78	Yes	19.27	-46.51
1243	11/6/2021	8	1	63.65	Yes	19.27	-44.38
1244	11/6/2021	8	2	64.18	Yes	19.27	-44.91
1245	11/6/2021	8	3	63.71	Yes	19.27	-44.44
1246	11/6/2021	8	4	63.85	Yes	19.27	-44.58
1247	11/6/2021	8	5	64.54	Yes	19.27	-45.27
1248	11/6/2021	8	6	63.49	Yes	19.27	-44.22
1249	11/6/2021	8	7	66.20	Yes	19.27	-46.93
1250	11/6/2021	8	8	66.57	Yes	19.27	-47.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1251	11/6/2021	8	9	64.37	Yes	19.27	-45.10
1252	11/6/2021	8	10	62.40	Yes	19.27	-43.13
1253	11/6/2021	8	11	61.07	Yes	19.27	-41.80
1254	11/6/2021	8	12	59.66	Yes	19.27	-40.39
1255	11/6/2021	9	1	66.77	Yes	19.27	-47.50
1256	11/6/2021	9	2	68.03	Yes	19.27	-48.76
1257	11/6/2021	9	3	67.54	Yes	19.27	-48.27
1258	11/6/2021	9	4	64.69	Yes	19.27	-45.42
1259	11/6/2021	9	5	62.44	Yes	19.27	-43.17
1260	11/6/2021	9	6	60.72	Yes	19.27	-41.45
1261	11/6/2021	9	7	56.30	Yes	19.27	-37.03
1262	11/6/2021	9	8	56.08	Yes	19.27	-36.81
1263	11/6/2021	9	9	53.49	Yes	19.27	-34.22
1264	11/6/2021	9	10	52.24	Yes	19.27	-32.97
1265	11/6/2021	9	11	50.44	Yes	19.27	-31.17
1266	11/6/2021	9	12	39.64	Yes	19.27	-20.37
1267	11/6/2021	10	1	52.58	Yes	19.27	-33.31
1268	11/6/2021	10	2	52.95	Yes	19.27	-33.68
1269	11/6/2021	10	3	53.58	Yes	19.27	-34.31
1270	11/6/2021	10	4	56.25	Yes	19.27	-36.98
1271	11/6/2021	10	5	57.33	Yes	19.27	-38.06
1272	11/6/2021	10	6	59.35	Yes	19.27	-40.08
1273	11/6/2021	10	7	58.91	Yes	19.27	-39.64
1274	11/6/2021	10	8	56.53	Yes	19.27	-37.26
1275	11/6/2021	10	9	54.26	Yes	19.27	-34.99
1276	11/6/2021	10	10	56.95	Yes	19.27	-37.68
1277	11/6/2021	10	11	48.97	Yes	19.27	-29.70
1278	11/6/2021	10	12	44.25	Yes	19.27	-24.98
1279	11/6/2021	11	1	61.75	Yes	19.27	-42.48
1280	11/6/2021	11	2	57.90	Yes	19.27	-38.63
1281	11/6/2021	11	3	57.07	Yes	19.27	-37.80
1282	11/6/2021	11	4	53.28	Yes	19.27	-34.01
1283	11/6/2021	11	5	39.00	Yes	19.27	-19.73
1284	11/6/2021	11	6	43.31	Yes	19.27	-24.04
1285	11/6/2021	11	7	38.73	Yes	19.27	-19.46
1286	11/6/2021	11	8	33.89	Yes	19.27	-14.62
1287	11/6/2021	11	9	36.58	Yes	19.27	-17.31
1288	11/6/2021	11	10	36.08	Yes	19.27	-16.81

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1289	11/6/2021	11	11	34.80	Yes	19.27	-15.53
1290	11/6/2021	11	12	31.27	Yes	19.27	-12.00
1291	11/6/2021	12	1	33.25	Yes	19.27	-13.98
1292	11/6/2021	12	2	33.19	Yes	19.27	-13.92
1293	11/6/2021	12	3	33.25	Yes	19.27	-13.98
1294	11/6/2021	12	4	47.10	Yes	19.27	-27.83
1295	11/6/2021	12	5	47.21	Yes	19.27	-27.94
1296	11/6/2021	12	6	46.51	Yes	19.27	-27.24
1297	11/6/2021	12	7	48.68	Yes	19.27	-29.41
1298	11/6/2021	12	8	48.59	Yes	19.27	-29.32
1299	11/6/2021	12	9	49.81	Yes	19.27	-30.54
1300	11/6/2021	12	10	46.87	Yes	19.27	-27.60
1301	11/6/2021	12	11	43.98	Yes	19.27	-24.71
1302	11/6/2021	12	12	42.50	Yes	19.27	-23.23
1303	11/6/2021	13	1	43.91	Yes	19.27	-24.64
1304	11/6/2021	13	2	44.69	Yes	19.27	-25.42
1305	11/6/2021	13	3	45.02	Yes	19.27	-25.75
1306	11/6/2021	13	4	37.80	Yes	19.27	-18.53
1307	11/6/2021	13	5	42.35	Yes	19.27	-23.08
1308	11/6/2021	13	6	41.93	Yes	19.27	-22.66
1309	11/6/2021	13	7	48.64	Yes	19.27	-29.37
1310	11/6/2021	13	8	49.73	Yes	19.27	-30.46
1311	11/6/2021	13	9	49.73	Yes	19.27	-30.46
1312	11/6/2021	13	10	44.01	Yes	19.27	-24.74
1313	11/6/2021	13	11	45.34	Yes	19.27	-26.07
1314	11/6/2021	13	12	45.34	Yes	19.27	-26.07
1315	11/6/2021	14	1	40.35	Yes	19.27	-21.08
1316	11/6/2021	14	2	40.76	Yes	19.27	-21.49
1317	11/6/2021	14	3	32.64	Yes	19.27	-13.37
1318	11/6/2021	14	4	32.47	Yes	19.27	-13.20
1319	11/6/2021	14	5	32.12	Yes	19.27	-12.85
1320	11/6/2021	14	6	28.75	Yes	19.27	-9.48
1321	11/6/2021	14	7	28.86	Yes	19.27	-9.59
1322	11/6/2021	14	8	43.58	Yes	19.27	-24.31
1323	11/6/2021	14	9	39.46	Yes	19.27	-20.19
1324	11/6/2021	14	10	25.80	Yes	19.27	-6.53
1325	11/6/2021	14	11	25.37	Yes	19.27	-6.10
1326	11/6/2021	14	12	20.41	Yes	19.27	-1.14

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1327	11/6/2021	15	1	24.27	Yes	19.27	-5.00
1328	11/6/2021	15	2	24.43	Yes	19.27	-5.16
1329	11/6/2021	15	3	24.43	Yes	19.27	-5.16
1330	11/6/2021	15	4	27.24	Yes	19.27	-7.97
1331	11/6/2021	15	5	23.45	Yes	19.27	-4.18
1332	11/6/2021	15	6	27.24	Yes	19.27	-7.97
1333	11/6/2021	15	7	25.35	Yes	19.27	-6.08
1334	11/6/2021	15	8	29.96	Yes	19.27	-10.69
1335	11/6/2021	15	9	32.36	Yes	19.27	-13.09
1336	11/6/2021	15	10	35.36	Yes	19.27	-16.09
1337	11/6/2021	15	11	35.93	Yes	19.27	-16.66
1338	11/6/2021	15	12	44.74	Yes	19.27	-25.47
1339	11/6/2021	16	1	38.89	Yes	19.27	-19.62
1340	11/6/2021	16	2	37.32	Yes	19.27	-18.05
1341	11/6/2021	16	3	-0.01	Yes	19.27	19.28
1342	11/6/2021	16	4	18.63	Yes	19.27	0.64
1343	11/6/2021	16	5	26.19	Yes	19.27	-6.92
1344	11/6/2021	16	6	23.92	Yes	19.27	-4.65
1345	11/6/2021	16	7	26.27	Yes	19.27	-7.00
1346	11/6/2021	16	8	30.83	Yes	19.27	-11.56
1347	11/6/2021	16	9	32.85	Yes	19.27	-13.58
1348	11/6/2021	16	10	30.79	Yes	19.27	-11.52
1349	11/6/2021	16	11	32.93	Yes	19.27	-13.66
1350	11/6/2021	16	12	28.18	Yes	19.27	-8.91
1351	11/6/2021	17	1	-0.01	Yes	19.27	19.28
1352	11/6/2021	17	2	-0.01	Yes	19.27	19.28
1353	11/6/2021	17	3	-0.01	Yes	19.27	19.28
1354	11/6/2021	17	4	0.04	Yes	19.27	19.23
1355	11/6/2021	17	5	31.83	Yes	19.27	-12.56
1356	11/6/2021	17	6	38.39	Yes	19.27	-19.12
1357	11/6/2021	17	7	48.25	Yes	19.27	-28.98
1358	11/6/2021	17	8	52.08	Yes	19.27	-32.81
1359	11/6/2021	17	9	60.13	Yes	19.27	-40.86
1360	11/6/2021	17	10	68.69	Yes	19.27	-49.42
1361	11/6/2021	17	11	86.48	Yes	19.27	-67.21
1362	11/6/2021	17	12	86.75	Yes	19.27	-67.48
1363	11/6/2021	18	1	45.42	Yes	19.27	-26.15
1364	11/6/2021	18	2	49.07	Yes	19.27	-29.80

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1365	11/6/2021	18	3	50.86	Yes	19.27	-31.59
1366	11/6/2021	18	4	56.68	Yes	19.27	-37.41
1367	11/6/2021	18	5	58.76	Yes	19.27	-39.49
1368	11/6/2021	18	6	62.41	Yes	19.27	-43.14
1369	11/6/2021	18	7	65.47	Yes	19.27	-46.20
1370	11/6/2021	18	8	68.74	Yes	19.27	-49.47
1371	11/6/2021	18	9	73.56	Yes	19.27	-54.29
1372	11/6/2021	18	10	75.92	Yes	19.27	-56.65
1373	11/6/2021	18	11	88.32	Yes	19.27	-69.05
1374	11/6/2021	18	12	89.15	Yes	19.27	-69.88
1375	11/6/2021	19	1	67.94	Yes	19.27	-48.67
1376	11/6/2021	19	2	70.18	Yes	19.27	-50.91
1377	11/6/2021	19	3	72.48	Yes	19.27	-53.21
1378	11/6/2021	19	4	68.81	Yes	19.27	-49.54
1379	11/6/2021	19	5	70.56	Yes	19.27	-51.29
1380	11/6/2021	19	6	82.07	Yes	19.27	-62.80
1381	11/6/2021	19	7	70.33	Yes	19.27	-51.06
1382	11/6/2021	19	8	63.17	Yes	19.27	-43.90
1383	11/6/2021	19	9	62.41	Yes	19.27	-43.14
1384	11/6/2021	19	10	59.00	Yes	19.27	-39.73
1385	11/6/2021	19	11	58.93	Yes	19.27	-39.66
1386	11/6/2021	19	12	59.00	Yes	19.27	-39.73
1387	11/6/2021	20	1	63.33	Yes	19.27	-44.06
1388	11/6/2021	20	2	59.32	Yes	19.27	-40.05
1389	11/6/2021	20	3	58.37	Yes	19.27	-39.10
1390	11/6/2021	20	4	58.22	Yes	19.27	-38.95
1391	11/6/2021	20	5	57.06	Yes	19.27	-37.79
1392	11/6/2021	20	6	56.59	Yes	19.27	-37.32
1393	11/6/2021	20	7	55.22	Yes	19.27	-35.95
1394	11/6/2021	20	8	55.19	Yes	19.27	-35.92
1395	11/6/2021	20	9	55.76	Yes	19.27	-36.49
1396	11/6/2021	20	10	56.19	Yes	19.27	-36.92
1397	11/6/2021	20	11	55.60	Yes	19.27	-36.33
1398	11/6/2021	20	12	55.25	Yes	19.27	-35.98
1399	11/6/2021	21	1	61.44	Yes	19.27	-42.17
1400	11/6/2021	21	2	62.40	Yes	19.27	-43.13
1401	11/6/2021	21	3	62.40	Yes	19.27	-43.13
1402	11/6/2021	21	4	62.78	Yes	19.27	-43.51



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1403	11/6/2021	21	5	63.37	Yes	19.27	-44.10
1404	11/6/2021	21	6	64.67	Yes	19.27	-45.40
1405	11/6/2021	21	7	67.13	Yes	19.27	-47.86
1406	11/6/2021	21	8	67.31	Yes	19.27	-48.04
1407	11/6/2021	21	9	67.14	Yes	19.27	-47.87
1408	11/6/2021	21	10	66.25	Yes	19.27	-46.98
1409	11/6/2021	21	11	66.59	Yes	19.27	-47.32
1410	11/6/2021	21	12	66.25	Yes	19.27	-46.98
1411	11/6/2021	22	1	62.33	Yes	19.27	-43.06
1412	11/6/2021	22	2	61.56	Yes	19.27	-42.29
1413	11/6/2021	22	3	59.37	Yes	19.27	-40.10
1414	11/6/2021	22	4	57.95	Yes	19.27	-38.68
1415	11/6/2021	22	5	57.89	Yes	19.27	-38.62
1416	11/6/2021	22	6	57.94	Yes	19.27	-38.67
1417	11/6/2021	22	7	57.15	Yes	19.27	-37.88
1418	11/6/2021	22	8	57.29	Yes	19.27	-38.02
1419	11/6/2021	22	9	56.16	Yes	19.27	-36.89
1420	11/6/2021	22	10	55.59	Yes	19.27	-36.32
1421	11/6/2021	22	11	55.59	Yes	19.27	-36.32
1422	11/6/2021	22	12	55.64	Yes	19.27	-36.37
1423	11/6/2021	23	1	65.96	Yes	19.27	-46.69
1424	11/6/2021	23	2	64.71	Yes	19.27	-45.44
1425	11/6/2021	23	3	65.03	Yes	19.27	-45.76
1426	11/6/2021	23	4	58.21	Yes	19.27	-38.94
1427	11/6/2021	23	5	57.32	Yes	19.27	-38.05
1428	11/6/2021	23	6	57.16	Yes	19.27	-37.89
1429	11/6/2021	23	7	56.24	Yes	19.27	-36.97
1430	11/6/2021	23	8	56.16	Yes	19.27	-36.89
1431	11/6/2021	23	9	54.26	Yes	19.27	-34.99
1432	11/6/2021	23	10	53.15	Yes	19.27	-33.88
1433	11/6/2021	23	11	52.98	Yes	19.27	-33.71
1434	11/6/2021	23	12	52.11	Yes	19.27	-32.84
1435	11/6/2021	24	1	50.81	Yes	19.27	-31.54
1436	11/6/2021	24	2	51.80	Yes	19.27	-32.53
1437	11/6/2021	24	3	49.82	Yes	19.27	-30.55
1438	11/6/2021	24	4	49.48	Yes	19.27	-30.21
1439	11/6/2021	24	5	46.86	Yes	19.27	-27.59
1440	11/6/2021	24	6	46.72	Yes	19.27	-27.45

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1441	11/6/2021	24	7	50.23	Yes	19.27	-30.96
1442	11/6/2021	24	8	49.75	Yes	19.27	-30.48
1443	11/6/2021	24	9	48.94	Yes	19.27	-29.67
1444	11/6/2021	24	10	51.54	Yes	19.27	-32.27
1445	11/6/2021	24	11	51.16	Yes	19.27	-31.89
1446	11/6/2021	24	12	51.16	Yes	19.27	-31.89
1447	11/7/2021	1	1	57.71	Yes	19.27	-38.44
1448	11/7/2021	1	2	56.43	Yes	19.27	-37.16
1449	11/7/2021	1	3	56.06	Yes	19.27	-36.79
1450	11/7/2021	1	4	55.24	Yes	19.27	-35.97
1451	11/7/2021	1	5	54.90	Yes	19.27	-35.63
1452	11/7/2021	1	6	54.86	Yes	19.27	-35.59
1453	11/7/2021	1	7	56.43	Yes	19.27	-37.16
1454	11/7/2021	1	8	56.28	Yes	19.27	-37.01
1455	11/7/2021	1	9	56.28	Yes	19.27	-37.01
1456	11/7/2021	1	10	56.18	Yes	19.27	-36.91
1457	11/7/2021	1	11	55.35	Yes	19.27	-36.08
1458	11/7/2021	1	12	53.79	Yes	19.27	-34.52
1459	11/7/2021	2	1	50.86	Yes	19.27	-31.59
1460	11/7/2021	2	1	50.86	Yes	19.27	-31.59
1461	11/7/2021	2	2	50.00	Yes	19.27	-30.73
1462	11/7/2021	2	2	50.00	Yes	19.27	-30.73
1463	11/7/2021	2	3	50.00	Yes	19.27	-30.73
1464	11/7/2021	2	3	50.00	Yes	19.27	-30.73
1465	11/7/2021	2	4	50.00	Yes	19.27	-30.73
1466	11/7/2021	2	4	50.00	Yes	19.27	-30.73
1467	11/7/2021	2	5	50.00	Yes	19.27	-30.73
1468	11/7/2021	2	5	50.00	Yes	19.27	-30.73
1469	11/7/2021	2	6	50.00	Yes	19.27	-30.73
1470	11/7/2021	2	6	50.00	Yes	19.27	-30.73
1471	11/7/2021	2	7	50.00	Yes	19.27	-30.73
1472	11/7/2021	2	7	50.00	Yes	19.27	-30.73
1473	11/7/2021	2	8	50.00	Yes	19.27	-30.73
1474	11/7/2021	2	8	50.00	Yes	19.27	-30.73
1475	11/7/2021	2	9	47.78	Yes	19.27	-28.51
1476	11/7/2021	2	9	47.78	Yes	19.27	-28.51
1477	11/7/2021	2	10	48.26	Yes	19.27	-28.99
1478	11/7/2021	2	10	48.26	Yes	19.27	-28.99

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1479	11/7/2021	2	11	48.24	Yes	19.27	-28.97
1480	11/7/2021	2	11	48.24	Yes	19.27	-28.97
1481	11/7/2021	2	12	48.18	Yes	19.27	-28.91
1482	11/7/2021	2	12	48.18	Yes	19.27	-28.91
1483	11/7/2021	2	1	50.86	Yes	19.27	-31.59
1484	11/7/2021	2	1	50.86	Yes	19.27	-31.59
1485	11/7/2021	2	2	50.00	Yes	19.27	-30.73
1486	11/7/2021	2	2	50.00	Yes	19.27	-30.73
1487	11/7/2021	2	3	50.00	Yes	19.27	-30.73
1488	11/7/2021	2	3	50.00	Yes	19.27	-30.73
1489	11/7/2021	2	4	50.00	Yes	19.27	-30.73
1490	11/7/2021	2	4	50.00	Yes	19.27	-30.73
1491	11/7/2021	2	5	50.00	Yes	19.27	-30.73
1492	11/7/2021	2	5	50.00	Yes	19.27	-30.73
1493	11/7/2021	2	6	50.00	Yes	19.27	-30.73
1494	11/7/2021	2	6	50.00	Yes	19.27	-30.73
1495	11/7/2021	2	7	50.00	Yes	19.27	-30.73
1496	11/7/2021	2	7	50.00	Yes	19.27	-30.73
1497	11/7/2021	2	8	50.00	Yes	19.27	-30.73
1498	11/7/2021	2	8	50.00	Yes	19.27	-30.73
1499	11/7/2021	2	9	47.78	Yes	19.27	-28.51
1500	11/7/2021	2	9	47.78	Yes	19.27	-28.51
1501	11/7/2021	2	10	48.26	Yes	19.27	-28.99
1502	11/7/2021	2	10	48.26	Yes	19.27	-28.99
1503	11/7/2021	2	11	48.24	Yes	19.27	-28.97
1504	11/7/2021	2	11	48.24	Yes	19.27	-28.97
1505	11/7/2021	2	12	48.18	Yes	19.27	-28.91
1506	11/7/2021	2	12	48.18	Yes	19.27	-28.91
1507	11/7/2021	3	1	51.15	Yes	19.27	-31.88
1508	11/7/2021	3	2	51.15	Yes	19.27	-31.88
1509	11/7/2021	3	3	51.69	Yes	19.27	-32.42
1510	11/7/2021	3	4	43.81	Yes	19.27	-24.54
1511	11/7/2021	3	5	46.55	Yes	19.27	-27.28
1512	11/7/2021	3	6	45.91	Yes	19.27	-26.64
1513	11/7/2021	3	7	49.99	Yes	19.27	-30.72
1514	11/7/2021	3	8	50.40	Yes	19.27	-31.13
1515	11/7/2021	3	9	50.71	Yes	19.27	-31.44
1516	11/7/2021	3	10	51.02	Yes	19.27	-31.75

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1517	11/7/2021	3	11	51.32	Yes	19.27	-32.05
1518	11/7/2021	3	12	51.32	Yes	19.27	-32.05
1519	11/7/2021	4	1	50.77	Yes	19.27	-31.50
1520	11/7/2021	4	2	50.72	Yes	19.27	-31.45
1521	11/7/2021	4	3	50.77	Yes	19.27	-31.50
1522	11/7/2021	4	4	51.31	Yes	19.27	-32.04
1523	11/7/2021	4	5	51.82	Yes	19.27	-32.55
1524	11/7/2021	4	6	52.48	Yes	19.27	-33.21
1525	11/7/2021	4	7	52.01	Yes	19.27	-32.74
1526	11/7/2021	4	8	52.38	Yes	19.27	-33.11
1527	11/7/2021	4	9	52.38	Yes	19.27	-33.11
1528	11/7/2021	4	10	52.44	Yes	19.27	-33.17
1529	11/7/2021	4	11	52.65	Yes	19.27	-33.38
1530	11/7/2021	4	12	52.65	Yes	19.27	-33.38
1531	11/7/2021	5	1	52.03	Yes	19.27	-32.76
1532	11/7/2021	5	2	51.92	Yes	19.27	-32.65
1533	11/7/2021	5	3	52.02	Yes	19.27	-32.75
1534	11/7/2021	5	4	51.91	Yes	19.27	-32.64
1535	11/7/2021	5	5	51.91	Yes	19.27	-32.64
1536	11/7/2021	5	6	51.83	Yes	19.27	-32.56
1537	11/7/2021	5	7	52.91	Yes	19.27	-33.64
1538	11/7/2021	5	8	52.95	Yes	19.27	-33.68
1539	11/7/2021	5	9	53.16	Yes	19.27	-33.89
1540	11/7/2021	5	10	53.73	Yes	19.27	-34.46
1541	11/7/2021	5	11	53.73	Yes	19.27	-34.46
1542	11/7/2021	5	12	53.46	Yes	19.27	-34.19
1543	11/7/2021	6	1	51.10	Yes	19.27	-31.83
1544	11/7/2021	6	2	50.98	Yes	19.27	-31.71
1545	11/7/2021	6	3	50.98	Yes	19.27	-31.71
1546	11/7/2021	6	4	51.08	Yes	19.27	-31.81
1547	11/7/2021	6	5	51.20	Yes	19.27	-31.93
1548	11/7/2021	6	6	51.28	Yes	19.27	-32.01
1549	11/7/2021	6	7	51.89	Yes	19.27	-32.62
1550	11/7/2021	6	8	52.77	Yes	19.27	-33.50
1551	11/7/2021	6	9	53.49	Yes	19.27	-34.22
1552	11/7/2021	6	10	53.54	Yes	19.27	-34.27
1553	11/7/2021	6	11	54.73	Yes	19.27	-35.46
1554	11/7/2021	6	12	55.18	Yes	19.27	-35.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1555	11/7/2021	7	1	54.54	Yes	19.27	-35.27
1556	11/7/2021	7	2	56.31	Yes	19.27	-37.04
1557	11/7/2021	7	3	60.63	Yes	19.27	-41.36
1558	11/7/2021	7	4	62.08	Yes	19.27	-42.81
1559	11/7/2021	7	5	72.38	Yes	19.27	-53.11
1560	11/7/2021	7	6	78.66	Yes	19.27	-59.39
1561	11/7/2021	7	7	80.95	Yes	19.27	-61.68
1562	11/7/2021	7	8	83.39	Yes	19.27	-64.12
1563	11/7/2021	7	9	78.51	Yes	19.27	-59.24
1564	11/7/2021	7	10	76.18	Yes	19.27	-56.91
1565	11/7/2021	7	11	79.14	Yes	19.27	-59.87
1566	11/7/2021	7	12	79.65	Yes	19.27	-60.38
1567	11/7/2021	8	1	105.31	Yes	19.27	-86.04
1568	11/7/2021	8	2	102.25	Yes	19.27	-82.98
1569	11/7/2021	8	3	111.11	Yes	19.27	-91.84
1570	11/7/2021	8	4	94.98	Yes	19.27	-75.71
1571	11/7/2021	8	5	87.96	Yes	19.27	-68.69
1572	11/7/2021	8	6	82.81	Yes	19.27	-63.54
1573	11/7/2021	8	7	81.82	Yes	19.27	-62.55
1574	11/7/2021	8	8	70.94	Yes	19.27	-51.67
1575	11/7/2021	8	9	56.05	Yes	19.27	-36.78
1576	11/7/2021	8	10	56.45	Yes	19.27	-37.18
1577	11/7/2021	8	11	53.59	Yes	19.27	-34.32
1578	11/7/2021	8	12	49.21	Yes	19.27	-29.94
1579	11/7/2021	9	1	58.07	Yes	19.27	-38.80
1580	11/7/2021	9	2	59.78	Yes	19.27	-40.51
1581	11/7/2021	9	3	51.72	Yes	19.27	-32.45
1582	11/7/2021	9	4	51.56	Yes	19.27	-32.29
1583	11/7/2021	9	5	51.72	Yes	19.27	-32.45
1584	11/7/2021	9	6	46.09	Yes	19.27	-26.82
1585	11/7/2021	9	7	51.65	Yes	19.27	-32.38
1586	11/7/2021	9	8	43.86	Yes	19.27	-24.59
1587	11/7/2021	9	9	43.45	Yes	19.27	-24.18
1588	11/7/2021	9	10	41.97	Yes	19.27	-22.70
1589	11/7/2021	9	11	41.04	Yes	19.27	-21.77
1590	11/7/2021	9	12	31.75	Yes	19.27	-12.48
1591	11/7/2021	10	1	34.04	Yes	19.27	-14.77
1592	11/7/2021	10	2	43.17	Yes	19.27	-23.90

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1593	11/7/2021	10	3	45.82	Yes	19.27	-26.55
1594	11/7/2021	10	4	41.47	Yes	19.27	-22.20
1595	11/7/2021	10	5	38.47	Yes	19.27	-19.20
1596	11/7/2021	10	6	58.53	Yes	19.27	-39.26
1597	11/7/2021	10	7	44.87	Yes	19.27	-25.60
1598	11/7/2021	10	8	45.21	Yes	19.27	-25.94
1599	11/7/2021	10	9	12.94	Yes	19.27	6.33
1600	11/7/2021	10	10	36.92	Yes	19.27	-17.65
1601	11/7/2021	10	11	42.92	Yes	19.27	-23.65
1602	11/7/2021	10	12	41.44	Yes	19.27	-22.17
1603	11/7/2021	11	1	45.11	Yes	19.27	-25.84
1604	11/7/2021	11	2	43.66	Yes	19.27	-24.39
1605	11/7/2021	11	3	38.53	Yes	19.27	-19.26
1606	11/7/2021	11	4	-0.01	Yes	19.27	19.28
1607	11/7/2021	11	5	-0.01	Yes	19.27	19.28
1608	11/7/2021	11	6	-0.01	Yes	19.27	19.28
1609	11/7/2021	11	7	0.00	Yes	19.27	19.27
1610	11/7/2021	11	8	-0.01	Yes	19.27	19.28
1611	11/7/2021	11	9	-0.01	Yes	19.27	19.28
1612	11/7/2021	11	10	-0.01	Yes	19.27	19.28
1613	11/7/2021	11	11	-0.01	Yes	19.27	19.28
1614	11/7/2021	11	12	-0.01	Yes	19.27	19.28
1615	11/7/2021	12	1	-0.01	Yes	19.27	19.28
1616	11/7/2021	12	2	-0.01	Yes	19.27	19.28
1617	11/7/2021	12	3	0.00	Yes	19.27	19.27
1618	11/7/2021	12	4	0.00	Yes	19.27	19.27
1619	11/7/2021	12	5	0.00	Yes	19.27	19.27
1620	11/7/2021	12	6	0.00	Yes	19.27	19.27
1621	11/7/2021	12	7	0.00	Yes	19.27	19.27
1622	11/7/2021	12	8	0.00	Yes	19.27	19.27
1623	11/7/2021	12	9	0.00	Yes	19.27	19.27
1624	11/7/2021	12	10	13.93	Yes	19.27	5.34
1625	11/7/2021	12	11	21.67	Yes	19.27	-2.40
1626	11/7/2021	12	12	0.00	Yes	19.27	19.27
1627	11/7/2021	13	1	14.58	Yes	19.27	4.69
1628	11/7/2021	13	2	21.81	Yes	19.27	-2.54
1629	11/7/2021	13	3	16.90	Yes	19.27	2.37
1630	11/7/2021	13	4	19.27	Yes	19.27	0.00

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1631	11/7/2021	13	5	0.00	Yes	19.27	19.27
1632	11/7/2021	13	6	0.00	Yes	19.27	19.27
1633	11/7/2021	13	7	22.39	Yes	19.27	-3.12
1634	11/7/2021	13	8	-0.01	Yes	19.27	19.28
1635	11/7/2021	13	9	-0.01	Yes	19.27	19.28
1636	11/7/2021	13	10	0.00	Yes	19.27	19.27
1637	11/7/2021	13	11	0.03	Yes	19.27	19.24
1638	11/7/2021	13	12	26.43	Yes	19.27	-7.16
1639	11/7/2021	14	1	29.41	Yes	19.27	-10.14
1640	11/7/2021	14	2	33.35	Yes	19.27	-14.08
1641	11/7/2021	14	3	34.24	Yes	19.27	-14.97
1642	11/7/2021	14	4	37.01	Yes	19.27	-17.74
1643	11/7/2021	14	5	33.18	Yes	19.27	-13.91
1644	11/7/2021	14	6	42.82	Yes	19.27	-23.55
1645	11/7/2021	14	7	39.78	Yes	19.27	-20.51
1646	11/7/2021	14	8	42.13	Yes	19.27	-22.86
1647	11/7/2021	14	9	42.36	Yes	19.27	-23.09
1648	11/7/2021	14	10	50.05	Yes	19.27	-30.78
1649	11/7/2021	14	11	56.51	Yes	19.27	-37.24
1650	11/7/2021	14	12	48.09	Yes	19.27	-28.82
1651	11/7/2021	15	1	51.19	Yes	19.27	-31.92
1652	11/7/2021	15	2	44.88	Yes	19.27	-25.61
1653	11/7/2021	15	3	52.07	Yes	19.27	-32.80
1654	11/7/2021	15	4	44.62	Yes	19.27	-25.35
1655	11/7/2021	15	5	53.02	Yes	19.27	-33.75
1656	11/7/2021	15	6	52.83	Yes	19.27	-33.56
1657	11/7/2021	15	7	59.41	Yes	19.27	-40.14
1658	11/7/2021	15	8	63.86	Yes	19.27	-44.59
1659	11/7/2021	15	9	65.97	Yes	19.27	-46.70
1660	11/7/2021	15	10	66.86	Yes	19.27	-47.59
1661	11/7/2021	15	11	66.73	Yes	19.27	-47.46
1662	11/7/2021	15	12	63.02	Yes	19.27	-43.75
1663	11/7/2021	16	1	41.71	Yes	19.27	-22.44
1664	11/7/2021	16	2	43.97	Yes	19.27	-24.70
1665	11/7/2021	16	3	45.29	Yes	19.27	-26.02
1666	11/7/2021	16	4	57.09	Yes	19.27	-37.82
1667	11/7/2021	16	5	69.83	Yes	19.27	-50.56
1668	11/7/2021	16	6	76.15	Yes	19.27	-56.88

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1669	11/7/2021	16	7	67.42	Yes	19.27	-48.15
1670	11/7/2021	16	8	85.88	Yes	19.27	-66.61
1671	11/7/2021	16	9	86.35	Yes	19.27	-67.08
1672	11/7/2021	16	10	86.03	Yes	19.27	-66.76
1673	11/7/2021	16	11	95.92	Yes	19.27	-76.65
1674	11/7/2021	16	12	97.06	Yes	19.27	-77.79
1675	11/7/2021	17	1	54.55	Yes	19.27	-35.28
1676	11/7/2021	17	2	57.77	Yes	19.27	-38.50
1677	11/7/2021	17	3	55.91	Yes	19.27	-36.64
1678	11/7/2021	17	4	59.52	Yes	19.27	-40.25
1679	11/7/2021	17	5	63.54	Yes	19.27	-44.27
1680	11/7/2021	17	6	68.35	Yes	19.27	-49.08
1681	11/7/2021	17	7	75.22	Yes	19.27	-55.95
1682	11/7/2021	17	8	82.66	Yes	19.27	-63.39
1683	11/7/2021	17	9	87.99	Yes	19.27	-68.72
1684	11/7/2021	17	10	99.60	Yes	19.27	-80.33
1685	11/7/2021	17	11	109.76	Yes	19.27	-90.49
1686	11/7/2021	17	12	112.86	Yes	19.27	-93.59
1687	11/7/2021	18	1	70.36	Yes	19.27	-51.09
1688	11/7/2021	18	2	71.63	Yes	19.27	-52.36
1689	11/7/2021	18	3	70.31	Yes	19.27	-51.04
1690	11/7/2021	22	4	57.19	Yes	19.27	-37.92
1691	11/7/2021	22	5	57.19	Yes	19.27	-37.92
1692	11/7/2021	22	6	57.00	Yes	19.27	-37.73
1693	11/7/2021	22	7	58.33	Yes	19.27	-39.06
1694	11/7/2021	22	8	59.10	Yes	19.27	-39.83
1695	11/7/2021	22	9	59.38	Yes	19.27	-40.11
1696	11/7/2021	22	10	56.97	Yes	19.27	-37.70
1697	11/7/2021	22	11	56.23	Yes	19.27	-36.96
1698	11/7/2021	22	12	56.62	Yes	19.27	-37.35
1699	11/7/2021	23	1	58.12	Yes	19.27	-38.85
1700	11/7/2021	23	2	57.62	Yes	19.27	-38.35
1701	11/7/2021	23	3	58.12	Yes	19.27	-38.85
1702	11/7/2021	23	4	57.04	Yes	19.27	-37.77
1703	11/7/2021	23	5	58.21	Yes	19.27	-38.94
1704	11/7/2021	23	6	58.03	Yes	19.27	-38.76
1705	11/7/2021	23	7	57.92	Yes	19.27	-38.65
1706	11/7/2021	23	8	57.85	Yes	19.27	-38.58



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1707	11/7/2021	23	9	56.76	Yes	19.27	-37.49
1708	11/7/2021	23	10	55.31	Yes	19.27	-36.04
1709	11/7/2021	23	11	55.53	Yes	19.27	-36.26
1710	11/7/2021	23	12	54.98	Yes	19.27	-35.71
1711	11/7/2021	24	1	55.92	Yes	19.27	-36.65
1712	11/7/2021	24	2	54.71	Yes	19.27	-35.44
1713	11/7/2021	24	3	53.41	Yes	19.27	-34.14
1714	11/7/2021	24	4	53.20	Yes	19.27	-33.93
1715	11/7/2021	24	5	53.70	Yes	19.27	-34.43
1716	11/7/2021	24	6	53.68	Yes	19.27	-34.41
1717	11/7/2021	24	7	53.11	Yes	19.27	-33.84
1718	11/7/2021	24	8	53.48	Yes	19.27	-34.21
1719	11/7/2021	24	9	52.95	Yes	19.27	-33.68
1720	11/7/2021	24	10	52.69	Yes	19.27	-33.42
1721	11/7/2021	24	11	52.65	Yes	19.27	-33.38
1722	11/7/2021	24	12	50.19	Yes	19.27	-30.92
1723	11/8/2021	1	1	51.38	Yes	19.27	-32.11
1724	11/8/2021	1	2	51.38	Yes	19.27	-32.11
1725	11/8/2021	1	3	47.33	Yes	19.27	-28.06
1726	11/8/2021	1	4	46.50	Yes	19.27	-27.23
1727	11/8/2021	1	5	46.59	Yes	19.27	-27.32
1728	11/8/2021	1	6	47.53	Yes	19.27	-28.26
1729	11/8/2021	1	7	49.92	Yes	19.27	-30.65
1730	11/8/2021	1	8	50.57	Yes	19.27	-31.30
1731	11/8/2021	1	9	51.42	Yes	19.27	-32.15
1732	11/8/2021	1	10	51.65	Yes	19.27	-32.38
1733	11/8/2021	1	11	54.34	Yes	19.27	-35.07
1734	11/8/2021	1	12	54.13	Yes	19.27	-34.86
1735	11/8/2021	2	1	57.50	Yes	19.27	-38.23
1736	11/8/2021	2	2	57.24	Yes	19.27	-37.97
1737	11/8/2021	2	3	58.58	Yes	19.27	-39.31
1738	11/8/2021	2	4	58.53	Yes	19.27	-39.26
1739	11/8/2021	2	5	56.65	Yes	19.27	-37.38
1740	11/8/2021	2	6	56.31	Yes	19.27	-37.04
1741	11/8/2021	2	7	56.18	Yes	19.27	-36.91
1742	11/8/2021	2	8	56.58	Yes	19.27	-37.31
1743	11/8/2021	2	9	56.58	Yes	19.27	-37.31
1744	11/8/2021	2	10	56.57	Yes	19.27	-37.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1745	11/8/2021	2	11	56.77	Yes	19.27	-37.50
1746	11/8/2021	2	12	56.52	Yes	19.27	-37.25
1747	11/8/2021	3	1	58.44	Yes	19.27	-39.17
1748	11/8/2021	3	2	60.60	Yes	19.27	-41.33
1749	11/8/2021	3	3	59.73	Yes	19.27	-40.46
1750	11/8/2021	3	4	60.94	Yes	19.27	-41.67
1751	11/8/2021	3	5	61.12	Yes	19.27	-41.85
1752	11/8/2021	3	6	61.65	Yes	19.27	-42.38
1753	11/8/2021	3	7	61.95	Yes	19.27	-42.68
1754	11/8/2021	3	8	62.55	Yes	19.27	-43.28
1755	11/8/2021	3	9	63.07	Yes	19.27	-43.80
1756	11/8/2021	3	10	62.97	Yes	19.27	-43.70
1757	11/8/2021	3	11	63.94	Yes	19.27	-44.67
1758	11/8/2021	3	12	67.97	Yes	19.27	-48.70
1759	11/8/2021	4	1	70.57	Yes	19.27	-51.30
1760	11/8/2021	4	2	71.03	Yes	19.27	-51.76
1761	11/8/2021	4	3	71.03	Yes	19.27	-51.76
1762	11/8/2021	4	4	67.99	Yes	19.27	-48.72
1763	11/8/2021	4	5	68.07	Yes	19.27	-48.80
1764	11/8/2021	4	6	70.49	Yes	19.27	-51.22
1765	11/8/2021	4	7	68.64	Yes	19.27	-49.37
1766	11/8/2021	4	8	70.38	Yes	19.27	-51.11
1767	11/8/2021	4	9	70.38	Yes	19.27	-51.11
1768	11/8/2021	4	10	70.94	Yes	19.27	-51.67
1769	11/8/2021	4	11	70.53	Yes	19.27	-51.26
1770	11/8/2021	4	12	70.36	Yes	19.27	-51.09
1771	11/8/2021	5	1	72.52	Yes	19.27	-53.25
1772	11/8/2021	5	2	69.40	Yes	19.27	-50.13
1773	11/8/2021	5	3	69.41	Yes	19.27	-50.14
1774	11/8/2021	5	4	70.37	Yes	19.27	-51.10
1775	11/8/2021	5	5	71.84	Yes	19.27	-52.57
1776	11/8/2021	5	6	75.77	Yes	19.27	-56.50
1777	11/8/2021	5	7	76.09	Yes	19.27	-56.82
1778	11/8/2021	5	8	78.99	Yes	19.27	-59.72
1779	11/8/2021	5	9	79.34	Yes	19.27	-60.07
1780	11/8/2021	5	10	85.29	Yes	19.27	-66.02
1781	11/8/2021	5	11	89.85	Yes	19.27	-70.58
1782	11/8/2021	5	12	106.58	Yes	19.27	-87.31

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1783	11/8/2021	6	1	79.57	Yes	19.27	-60.30
1784	11/8/2021	6	2	85.51	Yes	19.27	-66.24
1785	11/8/2021	6	3	85.51	Yes	19.27	-66.24
1786	11/8/2021	6	4	86.06	Yes	19.27	-66.79
1787	11/8/2021	6	5	90.26	Yes	19.27	-70.99
1788	11/8/2021	6	6	92.75	Yes	19.27	-73.48
1789	11/8/2021	6	7	82.35	Yes	19.27	-63.08
1790	11/8/2021	6	8	92.80	Yes	19.27	-73.53
1791	11/8/2021	6	9	92.80	Yes	19.27	-73.53
1792	11/8/2021	6	10	92.34	Yes	19.27	-73.07
1793	11/8/2021	6	11	86.07	Yes	19.27	-66.80
1794	11/8/2021	6	12	85.81	Yes	19.27	-66.54
1795	11/8/2021	7	1	76.81	Yes	19.27	-57.54
1796	11/8/2021	7	2	79.13	Yes	19.27	-59.86
1797	11/8/2021	7	3	76.18	Yes	19.27	-56.91
1798	11/8/2021	7	4	75.43	Yes	19.27	-56.16
1799	11/8/2021	7	5	75.43	Yes	19.27	-56.16
1800	11/8/2021	7	6	75.61	Yes	19.27	-56.34
1801	11/8/2021	7	7	85.21	Yes	19.27	-65.94
1802	11/8/2021	7	8	79.09	Yes	19.27	-59.82
1803	11/8/2021	7	9	75.31	Yes	19.27	-56.04
1804	11/8/2021	7	10	75.35	Yes	19.27	-56.08
1805	11/8/2021	7	11	73.59	Yes	19.27	-54.32
1806	11/8/2021	7	12	72.06	Yes	19.27	-52.79
1807	11/8/2021	8	1	102.05	Yes	19.27	-82.78
1808	11/8/2021	8	2	100.72	Yes	19.27	-81.45
1809	11/8/2021	8	3	97.73	Yes	19.27	-78.46
1810	11/8/2021	8	4	66.44	Yes	19.27	-47.17
1811	11/8/2021	8	5	55.55	Yes	19.27	-36.28
1812	11/8/2021	8	6	50.63	Yes	19.27	-31.36
1813	11/8/2021	8	7	64.71	Yes	19.27	-45.44
1814	11/8/2021	8	8	62.55	Yes	19.27	-43.28
1815	11/8/2021	8	9	59.15	Yes	19.27	-39.88
1816	11/8/2021	8	10	57.51	Yes	19.27	-38.24
1817	11/8/2021	8	11	56.56	Yes	19.27	-37.29
1818	11/8/2021	8	12	54.43	Yes	19.27	-35.16
1819	11/8/2021	9	1	58.20	Yes	19.27	-38.93
1820	11/8/2021	9	2	60.20	Yes	19.27	-40.93

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1821	11/8/2021	9	3	58.05	Yes	19.27	-38.78
1822	11/8/2021	9	4	54.59	Yes	19.27	-35.32
1823	11/8/2021	9	5	53.17	Yes	19.27	-33.90
1824	11/8/2021	9	6	52.95	Yes	19.27	-33.68
1825	11/8/2021	9	7	46.55	Yes	19.27	-27.28
1826	11/8/2021	9	8	50.79	Yes	19.27	-31.52
1827	11/8/2021	9	9	52.04	Yes	19.27	-32.77
1828	11/8/2021	9	10	41.90	Yes	19.27	-22.63
1829	11/8/2021	9	11	40.42	Yes	19.27	-21.15
1830	11/8/2021	9	12	40.42	Yes	19.27	-21.15
1831	11/8/2021	10	1	42.71	Yes	19.27	-23.44
1832	11/8/2021	10	2	48.79	Yes	19.27	-29.52
1833	11/8/2021	10	3	41.70	Yes	19.27	-22.43
1834	11/8/2021	10	4	41.81	Yes	19.27	-22.54
1835	11/8/2021	10	5	41.39	Yes	19.27	-22.12
1836	11/8/2021	10	6	41.39	Yes	19.27	-22.12
1837	11/8/2021	10	7	43.40	Yes	19.27	-24.13
1838	11/8/2021	10	8	46.13	Yes	19.27	-26.86
1839	11/8/2021	10	9	41.67	Yes	19.27	-22.40
1840	11/8/2021	10	10	38.97	Yes	19.27	-19.70
1841	11/8/2021	10	11	42.09	Yes	19.27	-22.82
1842	11/8/2021	10	12	38.48	Yes	19.27	-19.21
1843	11/8/2021	11	1	43.69	Yes	19.27	-24.42
1844	11/8/2021	11	2	43.01	Yes	19.27	-23.74
1845	11/8/2021	11	3	38.62	Yes	19.27	-19.35
1846	11/8/2021	11	4	40.41	Yes	19.27	-21.14
1847	11/8/2021	11	5	39.43	Yes	19.27	-20.16
1848	11/8/2021	11	6	39.25	Yes	19.27	-19.98
1849	11/8/2021	11	7	40.24	Yes	19.27	-20.97
1850	11/8/2021	11	8	41.25	Yes	19.27	-21.98
1851	11/8/2021	11	9	41.59	Yes	19.27	-22.32
1852	11/8/2021	11	10	40.16	Yes	19.27	-20.89
1853	11/8/2021	11	11	39.98	Yes	19.27	-20.71
1854	11/8/2021	11	12	37.19	Yes	19.27	-17.92
1855	11/8/2021	12	1	36.58	Yes	19.27	-17.31
1856	11/8/2021	12	2	37.60	Yes	19.27	-18.33
1857	11/8/2021	12	3	37.74	Yes	19.27	-18.47
1858	11/8/2021	12	4	37.46	Yes	19.27	-18.19

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1859	11/8/2021	12	5	38.79	Yes	19.27	-19.52
1860	11/8/2021	12	6	38.48	Yes	19.27	-19.21
1861	11/8/2021	12	7	36.41	Yes	19.27	-17.14
1862	11/8/2021	12	8	37.31	Yes	19.27	-18.04
1863	11/8/2021	12	9	35.66	Yes	19.27	-16.39
1864	11/8/2021	12	10	35.41	Yes	19.27	-16.14
1865	11/8/2021	12	11	36.31	Yes	19.27	-17.04
1866	11/8/2021	12	12	39.65	Yes	19.27	-20.38
1867	11/8/2021	13	1	39.49	Yes	19.27	-20.22
1868	11/8/2021	13	2	40.35	Yes	19.27	-21.08
1869	11/8/2021	13	3	38.45	Yes	19.27	-19.18
1870	11/8/2021	13	4	37.68	Yes	19.27	-18.41
1871	11/8/2021	13	5	38.41	Yes	19.27	-19.14
1872	11/8/2021	13	6	38.42	Yes	19.27	-19.15
1873	11/8/2021	13	7	38.16	Yes	19.27	-18.89
1874	11/8/2021	13	8	38.94	Yes	19.27	-19.67
1875	11/8/2021	13	9	34.92	Yes	19.27	-15.65
1876	11/8/2021	13	10	32.49	Yes	19.27	-13.22
1877	11/8/2021	13	11	32.28	Yes	19.27	-13.01
1878	11/8/2021	13	12	32.48	Yes	19.27	-13.21
1879	11/8/2021	14	1	34.29	Yes	19.27	-15.02
1880	11/8/2021	14	2	34.84	Yes	19.27	-15.57
1881	11/8/2021	14	3	39.81	Yes	19.27	-20.54
1882	11/8/2021	14	4	43.14	Yes	19.27	-23.87
1883	11/8/2021	14	5	43.88	Yes	19.27	-24.61
1884	11/8/2021	14	6	43.45	Yes	19.27	-24.18
1885	11/8/2021	14	7	40.53	Yes	19.27	-21.26
1886	11/8/2021	14	8	44.27	Yes	19.27	-25.00
1887	11/8/2021	14	9	40.39	Yes	19.27	-21.12
1888	11/8/2021	14	10	38.09	Yes	19.27	-18.82
1889	11/8/2021	14	11	39.36	Yes	19.27	-20.09
1890	11/8/2021	14	12	38.64	Yes	19.27	-19.37
1891	11/8/2021	15	1	34.69	Yes	19.27	-15.42
1892	11/8/2021	15	2	33.74	Yes	19.27	-14.47
1893	11/8/2021	15	3	33.66	Yes	19.27	-14.39
1894	11/8/2021	15	4	34.74	Yes	19.27	-15.47
1895	11/8/2021	15	5	35.60	Yes	19.27	-16.33
1896	11/8/2021	15	6	45.91	Yes	19.27	-26.64

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1897	11/8/2021	15	7	38.99	Yes	19.27	-19.72
1898	11/8/2021	15	8	47.55	Yes	19.27	-28.28
1899	11/8/2021	15	9	51.11	Yes	19.27	-31.84
1900	11/8/2021	15	10	51.89	Yes	19.27	-32.62
1901	11/8/2021	15	11	54.40	Yes	19.27	-35.13
1902	11/8/2021	15	12	54.76	Yes	19.27	-35.49
1903	11/8/2021	16	1	46.55	Yes	19.27	-27.28
1904	11/8/2021	16	2	49.79	Yes	19.27	-30.52
1905	11/8/2021	16	3	51.87	Yes	19.27	-32.60
1906	11/8/2021	16	4	55.85	Yes	19.27	-36.58
1907	11/8/2021	16	5	66.97	Yes	19.27	-47.70
1908	11/8/2021	16	6	85.59	Yes	19.27	-66.32
1909	11/8/2021	16	7	81.93	Yes	19.27	-62.66
1910	11/8/2021	16	8	91.85	Yes	19.27	-72.58
1911	11/8/2021	16	9	294.88	Yes	19.27	-275.61
1912	11/8/2021	16	10	261.67	Yes	19.27	-242.40
1913	11/8/2021	16	11	155.21	Yes	19.27	-135.94
1914	11/8/2021	16	12	191.82	Yes	19.27	-172.55
1915	11/8/2021	17	1	79.19	Yes	19.27	-59.92
1916	11/8/2021	17	2	77.49	Yes	19.27	-58.22
1917	11/8/2021	17	3	65.14	Yes	19.27	-45.87
1918	11/8/2021	20	4	62.40	Yes	19.27	-43.13
1919	11/8/2021	20	5	62.24	Yes	19.27	-42.97
1920	11/8/2021	20	6	62.77	Yes	19.27	-43.50
1921	11/8/2021	20	7	61.80	Yes	19.27	-42.53
1922	11/8/2021	20	8	80.53	Yes	19.27	-61.26
1923	11/8/2021	20	9	73.08	Yes	19.27	-53.81
1924	11/8/2021	20	10	72.29	Yes	19.27	-53.02
1925	11/8/2021	20	11	71.24	Yes	19.27	-51.97
1926	11/8/2021	20	12	72.08	Yes	19.27	-52.81
1927	11/8/2021	21	1	86.79	Yes	19.27	-67.52
1928	11/8/2021	21	2	86.50	Yes	19.27	-67.23
1929	11/8/2021	21	3	82.61	Yes	19.27	-63.34
1930	11/8/2021	21	4	84.15	Yes	19.27	-64.88
1931	11/8/2021	21	5	71.88	Yes	19.27	-52.61
1932	11/8/2021	21	6	74.60	Yes	19.27	-55.33
1933	11/8/2021	21	7	71.80	Yes	19.27	-52.53
1934	11/8/2021	21	8	72.43	Yes	19.27	-53.16

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1935	11/8/2021	21	9	71.90	Yes	19.27	-52.63
1936	11/8/2021	21	10	67.59	Yes	19.27	-48.32
1937	11/8/2021	21	11	67.62	Yes	19.27	-48.35
1938	11/8/2021	21	12	71.45	Yes	19.27	-52.18
1939	11/8/2021	22	1	90.39	Yes	19.27	-71.12
1940	11/8/2021	22	2	90.39	Yes	19.27	-71.12
1941	11/8/2021	22	3	79.71	Yes	19.27	-60.44
1942	11/8/2021	22	4	79.08	Yes	19.27	-59.81
1943	11/8/2021	22	5	81.04	Yes	19.27	-61.77
1944	11/8/2021	22	6	75.86	Yes	19.27	-56.59
1945	11/8/2021	22	7	76.00	Yes	19.27	-56.73
1946	11/8/2021	22	8	63.52	Yes	19.27	-44.25
1947	11/8/2021	22	9	64.07	Yes	19.27	-44.80
1948	11/8/2021	22	10	61.90	Yes	19.27	-42.63
1949	11/8/2021	22	11	61.87	Yes	19.27	-42.60
1950	11/8/2021	22	12	61.27	Yes	19.27	-42.00
1951	11/8/2021	23	1	67.57	Yes	19.27	-48.30
1952	11/8/2021	23	2	67.39	Yes	19.27	-48.12
1953	11/8/2021	23	3	65.37	Yes	19.27	-46.10
1954	11/8/2021	23	4	67.32	Yes	19.27	-48.05
1955	11/8/2021	23	5	66.75	Yes	19.27	-47.48
1956	11/8/2021	23	6	65.73	Yes	19.27	-46.46
1957	11/8/2021	23	7	57.71	Yes	19.27	-38.44
1958	11/8/2021	23	8	59.19	Yes	19.27	-39.92
1959	11/8/2021	23	9	58.90	Yes	19.27	-39.63
1960	11/8/2021	23	10	54.84	Yes	19.27	-35.57
1961	11/8/2021	23	11	53.70	Yes	19.27	-34.43
1962	11/8/2021	23	12	53.34	Yes	19.27	-34.07
1963	11/8/2021	24	1	58.76	Yes	19.27	-39.49
1964	11/8/2021	24	2	59.29	Yes	19.27	-40.02
1965	11/8/2021	24	3	58.93	Yes	19.27	-39.66
1966	11/8/2021	24	4	56.40	Yes	19.27	-37.13
1967	11/8/2021	24	5	55.82	Yes	19.27	-36.55
1968	11/8/2021	24	6	54.09	Yes	19.27	-34.82
1969	11/8/2021	24	7	53.02	Yes	19.27	-33.75
1970	11/8/2021	24	8	53.32	Yes	19.27	-34.05
1971	11/8/2021	24	9	53.90	Yes	19.27	-34.63
1972	11/8/2021	24	10	53.19	Yes	19.27	-33.92

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1973	11/8/2021	24	11	52.64	Yes	19.27	-33.37
1974	11/8/2021	24	12	51.65	Yes	19.27	-32.38
1975	11/9/2021	1	1	59.38	Yes	19.62	-39.76
1976	11/9/2021	1	2	60.32	Yes	19.62	-40.70
1977	11/9/2021	1	3	60.32	Yes	19.62	-40.70
1978	11/9/2021	1	4	59.05	Yes	19.62	-39.43
1979	11/9/2021	1	5	58.11	Yes	19.62	-38.49
1980	11/9/2021	1	6	57.96	Yes	19.62	-38.34
1981	11/9/2021	18	8	64.58	Yes	19.62	-44.96
1982	11/9/2021	18	9	62.22	Yes	19.62	-42.60
1983	11/9/2021	18	10	60.95	Yes	19.62	-41.33
1984	11/9/2021	18	11	60.84	Yes	19.62	-41.22
1985	11/9/2021	18	12	59.56	Yes	19.62	-39.94
1986	11/9/2021	19	1	76.43	Yes	19.62	-56.81
1987	11/9/2021	19	2	73.49	Yes	19.62	-53.87
1988	11/9/2021	19	3	73.51	Yes	19.62	-53.89
1989	11/9/2021	19	4	69.23	Yes	19.62	-49.61
1990	11/9/2021	19	5	69.97	Yes	19.62	-50.35
1991	11/9/2021	19	6	70.15	Yes	19.62	-50.53
1992	11/9/2021	19	7	67.91	Yes	19.62	-48.29
1993	11/9/2021	19	8	72.65	Yes	19.62	-53.03
1994	11/9/2021	19	9	75.53	Yes	19.62	-55.91
1995	11/9/2021	19	10	66.67	Yes	19.62	-47.05
1996	11/9/2021	19	11	67.49	Yes	19.62	-47.87
1997	11/9/2021	19	12	67.73	Yes	19.62	-48.11
1998	11/9/2021	20	1	70.42	Yes	19.62	-50.80
1999	11/9/2021	20	2	66.59	Yes	19.62	-46.97
2000	11/9/2021	20	3	62.88	Yes	19.62	-43.26
2001	11/9/2021	20	4	62.47	Yes	19.62	-42.85
2002	11/9/2021	20	5	64.88	Yes	19.62	-45.26
2003	11/9/2021	20	6	68.88	Yes	19.62	-49.26
2004	11/9/2021	20	7	66.84	Yes	19.62	-47.22
2005	11/9/2021	20	8	65.29	Yes	19.62	-45.67
2006	11/9/2021	20	9	68.19	Yes	19.62	-48.57
2007	11/9/2021	20	10	67.48	Yes	19.62	-47.86
2008	11/9/2021	20	11	69.15	Yes	19.62	-49.53
2009	11/9/2021	20	12	69.18	Yes	19.62	-49.56
2010	11/9/2021	21	1	68.02	Yes	19.62	-48.40



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2011	11/9/2021	21	2	67.66	Yes	19.62	-48.04
2012	11/9/2021	21	3	63.37	Yes	19.62	-43.75
2013	11/9/2021	21	4	61.93	Yes	19.62	-42.31
2014	11/9/2021	21	5	63.66	Yes	19.62	-44.04
2015	11/9/2021	21	6	66.94	Yes	19.62	-47.32
2016	11/9/2021	21	7	66.32	Yes	19.62	-46.70
2017	11/9/2021	21	8	66.32	Yes	19.62	-46.70
2018	11/9/2021	21	9	66.25	Yes	19.62	-46.63
2019	11/9/2021	21	10	67.22	Yes	19.62	-47.60
2020	11/9/2021	21	11	60.52	Yes	19.62	-40.90
2021	11/9/2021	21	12	60.12	Yes	19.62	-40.50
2022	11/9/2021	22	1	66.79	Yes	19.62	-47.17
2023	11/9/2021	22	2	62.56	Yes	19.62	-42.94
2024	11/9/2021	22	3	60.22	Yes	19.62	-40.60
2025	11/9/2021	22	4	58.01	Yes	19.62	-38.39
2026	11/9/2021	22	5	55.09	Yes	19.62	-35.47
2027	11/9/2021	22	6	55.01	Yes	19.62	-35.39
2028	11/9/2021	22	7	54.28	Yes	19.62	-34.66
2029	11/9/2021	22	8	53.02	Yes	19.62	-33.40
2030	11/9/2021	22	9	52.22	Yes	19.62	-32.60
2031	11/9/2021	22	10	50.26	Yes	19.62	-30.64
2032	11/9/2021	22	11	49.27	Yes	19.62	-29.65
2033	11/9/2021	22	12	48.24	Yes	19.62	-28.62
2034	11/9/2021	23	1	53.67	Yes	19.62	-34.05
2035	11/9/2021	23	2	52.86	Yes	19.62	-33.24
2036	11/9/2021	23	3	53.32	Yes	19.62	-33.70
2037	11/9/2021	23	4	52.04	Yes	19.62	-32.42
2038	11/9/2021	23	5	51.54	Yes	19.62	-31.92
2039	11/9/2021	23	6	52.19	Yes	19.62	-32.57
2040	11/9/2021	23	7	50.82	Yes	19.62	-31.20
2041	11/9/2021	23	8	50.46	Yes	19.62	-30.84
2042	11/9/2021	23	9	50.45	Yes	19.62	-30.83
2043	11/9/2021	23	10	49.97	Yes	19.62	-30.35
2044	11/9/2021	23	11	49.60	Yes	19.62	-29.98
2045	11/9/2021	23	12	49.06	Yes	19.62	-29.44
2046	11/9/2021	24	1	47.25	Yes	19.62	-27.63
2047	11/9/2021	24	2	47.34	Yes	19.62	-27.72
2048	11/9/2021	24	3	47.41	Yes	19.62	-27.79

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2049	11/9/2021	24	4	47.00	Yes	19.62	-27.38
2050	11/9/2021	24	5	47.06	Yes	19.62	-27.44
2051	11/9/2021	24	6	47.24	Yes	19.62	-27.62
2052	11/9/2021	24	7	46.68	Yes	19.62	-27.06
2053	11/9/2021	24	8	46.50	Yes	19.62	-26.88
2054	11/9/2021	24	9	46.29	Yes	19.62	-26.67
2055	11/9/2021	24	10	45.55	Yes	19.62	-25.93
2056	11/9/2021	24	11	44.70	Yes	19.62	-25.08
2057	11/9/2021	24	12	44.78	Yes	19.62	-25.16
2058	11/10/2021	1	1	47.31	Yes	19.26	-28.05
2059	11/10/2021	1	2	46.58	Yes	19.26	-27.32
2060	11/10/2021	1	3	47.54	Yes	19.26	-28.28
2061	11/10/2021	1	4	47.23	Yes	19.26	-27.97
2062	11/10/2021	1	5	45.61	Yes	19.26	-26.35
2063	11/10/2021	1	6	45.71	Yes	19.26	-26.45
2064	11/10/2021	1	7	45.55	Yes	19.26	-26.29
2065	11/10/2021	1	8	45.24	Yes	19.26	-25.98
2066	11/10/2021	1	9	44.24	Yes	19.26	-24.98
2067	11/10/2021	1	10	43.71	Yes	19.26	-24.45
2068	11/10/2021	1	11	43.56	Yes	19.26	-24.30
2069	11/10/2021	1	12	43.56	Yes	19.26	-24.30
2070	11/10/2021	2	1	44.68	Yes	19.26	-25.42
2071	11/10/2021	2	2	44.45	Yes	19.26	-25.19
2072	11/10/2021	2	3	44.68	Yes	19.26	-25.42
2073	11/10/2021	2	4	44.39	Yes	19.26	-25.13
2074	11/10/2021	2	5	43.28	Yes	19.26	-24.02
2075	11/10/2021	2	6	43.32	Yes	19.26	-24.06
2076	11/10/2021	2	7	42.96	Yes	19.26	-23.70
2077	11/10/2021	2	8	42.96	Yes	19.26	-23.70
2078	11/10/2021	2	9	43.08	Yes	19.26	-23.82
2079	11/10/2021	2	10	42.94	Yes	19.26	-23.68
2080	11/10/2021	2	11	42.94	Yes	19.26	-23.68
2081	11/10/2021	2	12	42.78	Yes	19.26	-23.52
2082	11/10/2021	3	1	45.08	Yes	19.26	-25.82
2083	11/10/2021	3	2	45.01	Yes	19.26	-25.75
2084	11/10/2021	3	3	45.35	Yes	19.26	-26.09
2085	11/10/2021	3	4	44.73	Yes	19.26	-25.47
2086	11/10/2021	3	5	44.32	Yes	19.26	-25.06

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2087	11/10/2021	3	6	44.60	Yes	19.26	-25.34
2088	11/10/2021	3	7	44.17	Yes	19.26	-24.91
2089	11/10/2021	3	8	43.64	Yes	19.26	-24.38
2090	11/10/2021	3	9	42.87	Yes	19.26	-23.61
2091	11/10/2021	3	10	42.93	Yes	19.26	-23.67
2092	11/10/2021	3	11	42.93	Yes	19.26	-23.67
2093	11/10/2021	3	12	42.93	Yes	19.26	-23.67
2094	11/10/2021	4	1	43.38	Yes	19.26	-24.12
2095	11/10/2021	4	2	43.38	Yes	19.26	-24.12
2096	11/10/2021	4	3	43.58	Yes	19.26	-24.32
2097	11/10/2021	4	4	43.56	Yes	19.26	-24.30
2098	11/10/2021	4	5	43.54	Yes	19.26	-24.28
2099	11/10/2021	4	6	43.49	Yes	19.26	-24.23
2100	11/10/2021	4	7	43.19	Yes	19.26	-23.93
2101	11/10/2021	4	8	43.16	Yes	19.26	-23.90
2102	11/10/2021	4	9	42.90	Yes	19.26	-23.64
2103	11/10/2021	4	10	42.82	Yes	19.26	-23.56
2104	11/10/2021	4	11	40.61	Yes	19.26	-21.35
2105	11/10/2021	4	12	41.19	Yes	19.26	-21.93
2106	11/10/2021	5	1	40.15	Yes	19.26	-20.89
2107	11/10/2021	5	2	40.14	Yes	19.26	-20.88
2108	11/10/2021	5	3	40.14	Yes	19.26	-20.88
2109	11/10/2021	5	4	42.71	Yes	19.26	-23.45
2110	11/10/2021	5	5	42.71	Yes	19.26	-23.45
2111	11/10/2021	5	6	42.71	Yes	19.26	-23.45
2112	11/10/2021	5	7	43.07	Yes	19.26	-23.81
2113	11/10/2021	5	8	43.18	Yes	19.26	-23.92
2114	11/10/2021	5	9	43.66	Yes	19.26	-24.40
2115	11/10/2021	5	10	44.13	Yes	19.26	-24.87
2116	11/10/2021	5	11	45.24	Yes	19.26	-25.98
2117	11/10/2021	5	12	45.51	Yes	19.26	-26.25
2118	11/10/2021	6	1	43.75	Yes	19.26	-24.49
2119	11/10/2021	6	2	44.59	Yes	19.26	-25.33
2120	11/10/2021	6	3	46.38	Yes	19.26	-27.12
2121	11/10/2021	6	4	48.20	Yes	19.26	-28.94
2122	11/10/2021	6	5	50.34	Yes	19.26	-31.08
2123	11/10/2021	6	6	51.55	Yes	19.26	-32.29
2124	11/10/2021	6	7	55.67	Yes	19.26	-36.41

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2125	11/10/2021	6	8	60.74	Yes	19.26	-41.48
2126	11/10/2021	6	9	60.74	Yes	19.26	-41.48
2127	11/10/2021	6	10	66.07	Yes	19.26	-46.81
2128	11/10/2021	6	11	68.00	Yes	19.26	-48.74
2129	11/10/2021	6	12	64.90	Yes	19.26	-45.64
2130	11/10/2021	7	1	54.83	Yes	19.26	-35.57
2131	11/10/2021	7	2	55.33	Yes	19.26	-36.07
2132	11/10/2021	7	3	55.02	Yes	19.26	-35.76
2133	11/10/2021	7	4	57.06	Yes	19.26	-37.80
2134	11/10/2021	7	5	60.50	Yes	19.26	-41.24
2135	11/10/2021	7	6	62.80	Yes	19.26	-43.54
2136	11/10/2021	7	7	61.64	Yes	19.26	-42.38
2137	11/10/2021	7	8	61.64	Yes	19.26	-42.38
2138	11/10/2021	7	9	62.57	Yes	19.26	-43.31
2139	11/10/2021	7	10	64.96	Yes	19.26	-45.70
2140	11/10/2021	7	11	64.77	Yes	19.26	-45.51
2141	11/10/2021	7	12	64.77	Yes	19.26	-45.51
2142	11/10/2021	8	1	97.71	Yes	19.26	-78.45
2143	11/10/2021	8	2	77.70	Yes	19.26	-58.44
2144	11/10/2021	8	3	77.70	Yes	19.26	-58.44
2145	11/10/2021	8	4	77.62	Yes	19.26	-58.36
2146	11/10/2021	8	5	58.91	Yes	19.26	-39.65
2147	11/10/2021	8	6	54.90	Yes	19.26	-35.64
2148	11/10/2021	8	7	49.11	Yes	19.26	-29.85
2149	11/10/2021	8	8	46.76	Yes	19.26	-27.50
2150	11/10/2021	8	9	46.12	Yes	19.26	-26.86
2151	11/10/2021	8	10	44.74	Yes	19.26	-25.48
2152	11/10/2021	8	11	42.49	Yes	19.26	-23.23
2153	11/10/2021	8	12	41.60	Yes	19.26	-22.34
2154	11/10/2021	9	1	46.48	Yes	19.26	-27.22
2155	11/10/2021	9	2	46.32	Yes	19.26	-27.06
2156	11/10/2021	9	3	44.01	Yes	19.26	-24.75
2157	11/10/2021	9	4	43.08	Yes	19.26	-23.82
2158	11/10/2021	9	5	42.37	Yes	19.26	-23.11
2159	11/10/2021	9	6	43.92	Yes	19.26	-24.66
2160	11/10/2021	9	7	48.59	Yes	19.26	-29.33
2161	11/10/2021	9	8	46.79	Yes	19.26	-27.53
2162	11/10/2021	9	9	41.04	Yes	19.26	-21.78

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2163	11/10/2021	9	10	33.38	Yes	19.26	-14.12
2164	11/10/2021	9	11	33.25	Yes	19.26	-13.99
2165	11/10/2021	9	12	30.30	Yes	19.26	-11.04
2166	11/10/2021	10	1	44.08	Yes	19.26	-24.82
2167	11/10/2021	10	2	40.87	Yes	19.26	-21.61
2168	11/10/2021	10	3	44.69	Yes	19.26	-25.43
2169	11/10/2021	10	4	43.85	Yes	19.26	-24.59
2170	11/10/2021	10	5	45.44	Yes	19.26	-26.18
2171	11/10/2021	10	6	49.91	Yes	19.26	-30.65
2172	11/10/2021	10	7	49.26	Yes	19.26	-30.00
2173	11/10/2021	10	8	49.26	Yes	19.26	-30.00
2174	11/10/2021	10	9	48.26	Yes	19.26	-29.00
2175	11/10/2021	10	10	46.98	Yes	19.26	-27.72
2176	11/10/2021	10	11	45.61	Yes	19.26	-26.35
2177	11/10/2021	10	12	46.17	Yes	19.26	-26.91
2178	11/10/2021	11	1	47.11	Yes	19.26	-27.85
2179	11/10/2021	11	2	48.10	Yes	19.26	-28.84
2180	11/10/2021	11	3	47.30	Yes	19.26	-28.04
2181	11/10/2021	11	4	45.82	Yes	19.26	-26.56
2182	11/10/2021	11	5	47.12	Yes	19.26	-27.86
2183	11/10/2021	11	6	47.12	Yes	19.26	-27.86
2184	11/10/2021	11	7	46.66	Yes	19.26	-27.40
2185	11/10/2021	11	8	47.01	Yes	19.26	-27.75
2186	11/10/2021	11	9	45.75	Yes	19.26	-26.49
2187	11/10/2021	11	10	44.59	Yes	19.26	-25.33
2188	11/10/2021	11	11	44.81	Yes	19.26	-25.55
2189	11/10/2021	11	12	44.81	Yes	19.26	-25.55
2190	11/10/2021	12	1	43.97	Yes	19.26	-24.71
2191	11/10/2021	12	2	41.24	Yes	19.26	-21.98
2192	11/10/2021	12	3	38.71	Yes	19.26	-19.45
2193	11/10/2021	12	4	44.00	Yes	19.26	-24.74
2194	11/10/2021	12	5	42.56	Yes	19.26	-23.30
2195	11/10/2021	12	6	44.36	Yes	19.26	-25.10
2196	11/10/2021	12	7	44.64	Yes	19.26	-25.38
2197	11/10/2021	12	8	44.87	Yes	19.26	-25.61
2198	11/10/2021	12	9	42.28	Yes	19.26	-23.02
2199	11/10/2021	12	10	47.43	Yes	19.26	-28.17
2200	11/10/2021	12	11	45.56	Yes	19.26	-26.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2201	11/10/2021	12	12	43.15	Yes	19.26	-23.89
2202	11/10/2021	13	1	45.67	Yes	19.26	-26.41
2203	11/10/2021	13	2	43.41	Yes	19.26	-24.15
2204	11/10/2021	13	3	43.82	Yes	19.26	-24.56
2205	11/10/2021	13	4	39.86	Yes	19.26	-20.60
2206	11/10/2021	13	5	37.05	Yes	19.26	-17.79
2207	11/10/2021	13	6	36.14	Yes	19.26	-16.88
2208	11/10/2021	13	7	34.75	Yes	19.26	-15.49
2209	11/10/2021	13	8	33.77	Yes	19.26	-14.51
2210	11/10/2021	13	9	40.42	Yes	19.26	-21.16
2211	11/10/2021	13	10	42.57	Yes	19.26	-23.31
2212	11/10/2021	13	11	39.15	Yes	19.26	-19.89
2213	11/10/2021	13	12	36.69	Yes	19.26	-17.43
2214	11/10/2021	14	1	44.88	Yes	19.26	-25.62
2215	11/10/2021	14	2	45.86	Yes	19.26	-26.60
2216	11/10/2021	14	3	45.86	Yes	19.26	-26.60
2217	11/10/2021	14	4	45.47	Yes	19.26	-26.21
2218	11/10/2021	14	5	45.36	Yes	19.26	-26.10
2219	11/10/2021	14	6	45.36	Yes	19.26	-26.10
2220	11/10/2021	14	7	45.14	Yes	19.26	-25.88
2221	11/10/2021	14	8	45.40	Yes	19.26	-26.14
2222	11/10/2021	14	9	45.21	Yes	19.26	-25.95
2223	11/10/2021	14	10	44.82	Yes	19.26	-25.56
2224	11/10/2021	14	11	43.18	Yes	19.26	-23.92
2225	11/10/2021	14	12	42.03	Yes	19.26	-22.77
2226	11/10/2021	15	1	33.34	Yes	19.26	-14.08
2227	11/10/2021	15	2	32.58	Yes	19.26	-13.32
2228	11/10/2021	15	3	28.34	Yes	19.26	-9.08
2229	11/10/2021	15	4	15.37	Yes	19.26	3.89
2230	11/10/2021	15	5	19.34	Yes	19.26	-0.08
2231	11/10/2021	15	6	19.54	Yes	19.26	-0.28
2232	11/10/2021	15	7	29.44	Yes	19.26	-10.18
2233	11/10/2021	15	8	28.38	Yes	19.26	-9.12
2234	11/10/2021	15	9	30.37	Yes	19.26	-11.11
2235	11/10/2021	15	10	30.14	Yes	19.26	-10.88
2236	11/10/2021	15	11	32.38	Yes	19.26	-13.12
2237	11/10/2021	15	12	30.62	Yes	19.26	-11.36
2238	11/10/2021	16	1	0.00	Yes	19.26	19.26

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2239	11/10/2021	16	2	0.01	Yes	19.26	19.25
2240	11/10/2021	16	3	8.49	Yes	19.26	10.77
2241	11/10/2021	16	4	29.80	Yes	19.26	-10.54
2242	11/10/2021	16	5	33.12	Yes	19.26	-13.86
2243	11/10/2021	16	6	35.62	Yes	19.26	-16.36
2244	11/10/2021	16	7	40.99	Yes	19.26	-21.73
2245	11/10/2021	16	8	44.83	Yes	19.26	-25.57
2246	11/10/2021	16	9	50.53	Yes	19.26	-31.27
2247	11/10/2021	16	10	52.17	Yes	19.26	-32.91
2248	11/10/2021	16	11	58.51	Yes	19.26	-39.25
2249	11/10/2021	16	12	58.67	Yes	19.26	-39.41
2250	11/10/2021	17	1	45.97	Yes	19.26	-26.71
2251	11/10/2021	17	2	46.77	Yes	19.26	-27.51
2252	11/10/2021	17	3	47.69	Yes	19.26	-28.43
2253	11/10/2021	17	4	49.58	Yes	19.26	-30.32
2254	11/10/2021	17	5	50.00	Yes	19.26	-30.74
2255	11/10/2021	17	6	51.65	Yes	19.26	-32.39
2256	11/10/2021	17	7	53.19	Yes	19.26	-33.93
2257	11/10/2021	17	8	55.94	Yes	19.26	-36.68
2258	11/10/2021	17	9	57.79	Yes	19.26	-38.53
2259	11/10/2021	17	10	54.98	Yes	19.26	-35.72
2260	11/10/2021	17	11	56.43	Yes	19.26	-37.17
2261	11/10/2021	17	12	54.98	Yes	19.26	-35.72
2262	11/10/2021	18	1	51.12	Yes	19.26	-31.86
2263	11/10/2021	18	2	51.12	Yes	19.26	-31.86
2264	11/10/2021	18	3	51.72	Yes	19.26	-32.46
2265	11/10/2021	18	4	53.65	Yes	19.26	-34.39
2266	11/10/2021	18	5	53.65	Yes	19.26	-34.39
2267	11/10/2021	18	10	50.97	Yes	19.26	-31.71
2268	11/10/2021	18	11	50.60	Yes	19.26	-31.34
2269	11/10/2021	18	12	50.60	Yes	19.26	-31.34
2270	11/10/2021	19	1	53.92	Yes	19.26	-34.66
2271	11/10/2021	19	2	53.31	Yes	19.26	-34.05
2272	11/10/2021	19	3	52.93	Yes	19.26	-33.67
2273	11/10/2021	19	4	53.70	Yes	19.26	-34.44
2274	11/10/2021	19	5	53.57	Yes	19.26	-34.31
2275	11/10/2021	19	6	53.60	Yes	19.26	-34.34
2276	11/10/2021	19	7	51.43	Yes	19.26	-32.17

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2277	11/10/2021	19	8	51.71	Yes	19.26	-32.45
2278	11/10/2021	19	9	51.73	Yes	19.26	-32.47
2279	11/10/2021	19	10	52.11	Yes	19.26	-32.85
2280	11/10/2021	19	11	52.11	Yes	19.26	-32.85
2281	11/10/2021	19	12	52.11	Yes	19.26	-32.85
2282	11/10/2021	20	1	51.25	Yes	19.26	-31.99
2283	11/10/2021	20	2	51.03	Yes	19.26	-31.77
2284	11/10/2021	20	3	52.57	Yes	19.26	-33.31
2285	11/10/2021	20	4	51.45	Yes	19.26	-32.19
2286	11/10/2021	20	5	50.77	Yes	19.26	-31.51
2287	11/10/2021	20	6	50.14	Yes	19.26	-30.88
2288	11/10/2021	20	7	47.82	Yes	19.26	-28.56
2289	11/10/2021	20	8	48.10	Yes	19.26	-28.84
2290	11/10/2021	20	9	48.08	Yes	19.26	-28.82
2291	11/10/2021	20	10	50.33	Yes	19.26	-31.07
2292	11/10/2021	20	11	50.51	Yes	19.26	-31.25
2293	11/10/2021	20	12	48.61	Yes	19.26	-29.35
2294	11/10/2021	21	1	56.46	Yes	19.26	-37.20
2295	11/10/2021	21	2	57.00	Yes	19.26	-37.74
2296	11/10/2021	21	3	56.54	Yes	19.26	-37.28
2297	11/10/2021	21	4	55.52	Yes	19.26	-36.26
2298	11/10/2021	21	5	54.05	Yes	19.26	-34.79
2299	11/10/2021	21	6	53.58	Yes	19.26	-34.32
2300	11/10/2021	21	7	52.58	Yes	19.26	-33.32
2301	11/10/2021	21	8	52.58	Yes	19.26	-33.32
2302	11/10/2021	21	9	52.41	Yes	19.26	-33.15
2303	11/10/2021	21	10	52.29	Yes	19.26	-33.03
2304	11/10/2021	21	11	52.40	Yes	19.26	-33.14
2305	11/10/2021	21	12	50.52	Yes	19.26	-31.26
2306	11/10/2021	22	1	60.58	Yes	19.26	-41.32
2307	11/10/2021	22	2	58.27	Yes	19.26	-39.01
2308	11/10/2021	22	3	58.48	Yes	19.26	-39.22
2309	11/10/2021	22	4	56.73	Yes	19.26	-37.47
2310	11/10/2021	22	5	56.29	Yes	19.26	-37.03
2311	11/10/2021	22	6	53.72	Yes	19.26	-34.46
2312	11/10/2021	22	7	51.90	Yes	19.26	-32.64
2313	11/10/2021	22	8	44.74	Yes	19.26	-25.48
2314	11/10/2021	22	9	45.99	Yes	19.26	-26.73



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2315	11/10/2021	22	10	45.20	Yes	19.26	-25.94
2316	11/10/2021	22	11	45.02	Yes	19.26	-25.76
2317	11/10/2021	22	12	44.89	Yes	19.26	-25.63
2318	11/10/2021	23	1	58.93	Yes	19.26	-39.67
2319	11/10/2021	23	2	58.18	Yes	19.26	-38.92
2320	11/10/2021	23	3	57.72	Yes	19.26	-38.46
2321	11/10/2021	23	4	57.37	Yes	19.26	-38.11
2322	11/10/2021	23	5	54.46	Yes	19.26	-35.20
2323	11/10/2021	23	6	54.23	Yes	19.26	-34.97
2324	11/10/2021	23	7	51.57	Yes	19.26	-32.31
2325	11/10/2021	23	8	50.72	Yes	19.26	-31.46
2326	11/10/2021	23	9	49.62	Yes	19.26	-30.36
2327	11/10/2021	23	10	49.79	Yes	19.26	-30.53
2328	11/10/2021	23	11	49.73	Yes	19.26	-30.47
2329	11/10/2021	23	12	49.73	Yes	19.26	-30.47
2330	11/10/2021	24	1	50.31	Yes	19.26	-31.05
2331	11/10/2021	24	2	49.47	Yes	19.26	-30.21
2332	11/10/2021	24	3	50.30	Yes	19.26	-31.04
2333	11/10/2021	24	4	50.80	Yes	19.26	-31.54
2334	11/10/2021	24	5	50.80	Yes	19.26	-31.54
2335	11/10/2021	24	6	50.81	Yes	19.26	-31.55
2336	11/12/2021	7	1	48.16	Yes	18.76	-29.40
2337	11/12/2021	7	2	47.01	Yes	18.76	-28.25
2338	11/12/2021	7	3	46.54	Yes	18.76	-27.78
2339	11/12/2021	7	4	48.24	Yes	18.76	-29.48
2340	11/12/2021	7	5	48.13	Yes	18.76	-29.37
2341	11/12/2021	7	6	48.31	Yes	18.76	-29.55
2342	11/12/2021	7	7	49.25	Yes	18.76	-30.49
2343	11/12/2021	7	8	48.45	Yes	18.76	-29.69
2344	11/12/2021	7	9	46.78	Yes	18.76	-28.02
2345	11/12/2021	7	10	47.10	Yes	18.76	-28.34
2346	11/12/2021	7	11	46.60	Yes	18.76	-27.84
2347	11/12/2021	7	12	46.70	Yes	18.76	-27.94
2348	11/12/2021	8	1	50.46	Yes	18.76	-31.70
2349	11/12/2021	8	2	49.64	Yes	18.76	-30.88
2350	11/12/2021	8	3	48.53	Yes	18.76	-29.77
2351	11/12/2021	8	4	47.87	Yes	18.76	-29.11
2352	11/12/2021	8	5	45.46	Yes	18.76	-26.70

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2353	11/12/2021	8	6	45.00	Yes	18.76	-26.24
2354	11/12/2021	8	7	39.69	Yes	18.76	-20.93
2355	11/12/2021	8	8	38.22	Yes	18.76	-19.46
2356	11/12/2021	8	9	37.54	Yes	18.76	-18.78
2357	11/12/2021	8	10	33.81	Yes	18.76	-15.05
2358	11/12/2021	8	11	32.62	Yes	18.76	-13.86
2359	11/12/2021	8	12	29.78	Yes	18.76	-11.02
2360	11/12/2021	9	1	39.09	Yes	18.76	-20.33
2361	11/12/2021	9	2	41.19	Yes	18.76	-22.43
2362	11/12/2021	9	3	43.53	Yes	18.76	-24.77
2363	11/12/2021	9	4	41.24	Yes	18.76	-22.48
2364	11/12/2021	9	5	41.35	Yes	18.76	-22.59
2365	11/12/2021	9	6	39.22	Yes	18.76	-20.46
2366	11/12/2021	9	7	38.78	Yes	18.76	-20.02
2367	11/12/2021	9	8	36.56	Yes	18.76	-17.80
2368	11/12/2021	9	9	35.62	Yes	18.76	-16.86
2369	11/12/2021	9	10	36.30	Yes	18.76	-17.54
2370	11/12/2021	9	11	36.30	Yes	18.76	-17.54
2371	11/12/2021	9	12	36.25	Yes	18.76	-17.49
2372	11/12/2021	10	1	32.25	Yes	18.76	-13.49
2373	11/12/2021	10	2	35.94	Yes	18.76	-17.18
2374	11/12/2021	10	3	34.31	Yes	18.76	-15.55
2375	11/12/2021	10	4	33.07	Yes	18.76	-14.31
2376	11/12/2021	10	5	34.93	Yes	18.76	-16.17
2377	11/12/2021	10	6	34.94	Yes	18.76	-16.18
2378	11/12/2021	10	7	34.03	Yes	18.76	-15.27
2379	11/12/2021	10	8	34.36	Yes	18.76	-15.60
2380	11/12/2021	10	9	35.15	Yes	18.76	-16.39
2381	11/12/2021	10	10	35.02	Yes	18.76	-16.26
2382	11/12/2021	10	11	36.44	Yes	18.76	-17.68
2383	11/12/2021	10	12	36.98	Yes	18.76	-18.22
2384	11/12/2021	11	1	35.64	Yes	18.76	-16.88
2385	11/12/2021	11	2	36.70	Yes	18.76	-17.94
2386	11/12/2021	11	3	37.40	Yes	18.76	-18.64
2387	11/12/2021	11	4	36.42	Yes	18.76	-17.66
2388	11/12/2021	11	5	36.51	Yes	18.76	-17.75
2389	11/12/2021	11	6	35.91	Yes	18.76	-17.15
2390	11/12/2021	11	7	36.39	Yes	18.76	-17.63

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2391	11/12/2021	11	8	36.95	Yes	18.76	-18.19
2392	11/12/2021	11	9	36.95	Yes	18.76	-18.19
2393	11/12/2021	11	10	36.30	Yes	18.76	-17.54
2394	11/12/2021	11	11	36.59	Yes	18.76	-17.83
2395	11/12/2021	11	12	36.76	Yes	18.76	-18.00
2396	11/12/2021	12	1	38.43	Yes	18.76	-19.67
2397	11/12/2021	12	2	38.84	Yes	18.76	-20.08
2398	11/12/2021	12	3	39.36	Yes	18.76	-20.60
2399	11/12/2021	12	4	39.24	Yes	18.76	-20.48
2400	11/12/2021	12	5	37.90	Yes	18.76	-19.14
2401	11/12/2021	12	6	38.06	Yes	18.76	-19.30
2402	11/12/2021	12	7	35.31	Yes	18.76	-16.55
2403	11/12/2021	12	8	35.31	Yes	18.76	-16.55
2404	11/12/2021	12	9	35.31	Yes	18.76	-16.55
2405	11/12/2021	12	10	34.16	Yes	18.76	-15.40
2406	11/12/2021	12	11	35.01	Yes	18.76	-16.25
2407	11/12/2021	12	12	35.95	Yes	18.76	-17.19
2408	11/12/2021	13	1	39.26	Yes	18.76	-20.50
2409	11/12/2021	13	2	39.63	Yes	18.76	-20.87
2410	11/12/2021	13	3	36.10	Yes	18.76	-17.34
2411	11/12/2021	13	4	35.18	Yes	18.76	-16.42
2412	11/12/2021	13	5	35.18	Yes	18.76	-16.42
2413	11/12/2021	13	6	35.02	Yes	18.76	-16.26
2414	11/12/2021	13	7	34.01	Yes	18.76	-15.25
2415	11/12/2021	13	8	33.82	Yes	18.76	-15.06
2416	11/12/2021	13	9	34.92	Yes	18.76	-16.16
2417	11/12/2021	13	10	35.01	Yes	18.76	-16.25
2418	11/12/2021	13	11	35.12	Yes	18.76	-16.36
2419	11/12/2021	13	12	35.18	Yes	18.76	-16.42
2420	11/12/2021	14	1	31.59	Yes	18.76	-12.83
2421	11/12/2021	14	2	31.59	Yes	18.76	-12.83
2422	11/12/2021	14	3	34.30	Yes	18.76	-15.54
2423	11/12/2021	14	4	34.59	Yes	18.76	-15.83
2424	11/12/2021	14	5	35.14	Yes	18.76	-16.38
2425	11/12/2021	14	6	35.54	Yes	18.76	-16.78
2426	11/12/2021	14	7	34.31	Yes	18.76	-15.55
2427	11/12/2021	14	8	34.46	Yes	18.76	-15.70
2428	11/12/2021	14	9	35.30	Yes	18.76	-16.54

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2429	11/12/2021	14	10	37.25	Yes	18.76	-18.49
2430	11/12/2021	14	11	38.21	Yes	18.76	-19.45
2431	11/12/2021	14	12	38.30	Yes	18.76	-19.54
2432	11/12/2021	15	1	34.24	Yes	18.76	-15.48
2433	11/12/2021	15	2	34.19	Yes	18.76	-15.43
2434	11/12/2021	15	3	33.69	Yes	18.76	-14.93
2435	11/12/2021	15	4	32.85	Yes	18.76	-14.09
2436	11/12/2021	15	5	34.14	Yes	18.76	-15.38
2437	11/12/2021	15	6	34.02	Yes	18.76	-15.26
2438	11/12/2021	15	7	35.87	Yes	18.76	-17.11
2439	11/12/2021	15	8	38.92	Yes	18.76	-20.16
2440	11/12/2021	15	9	40.32	Yes	18.76	-21.56
2441	11/12/2021	15	10	40.84	Yes	18.76	-22.08
2442	11/12/2021	15	11	40.86	Yes	18.76	-22.10
2443	11/12/2021	15	12	41.08	Yes	18.76	-22.32
2444	11/12/2021	16	1	33.99	Yes	18.76	-15.23
2445	11/12/2021	16	2	34.59	Yes	18.76	-15.83
2446	11/12/2021	16	3	37.73	Yes	18.76	-18.97
2447	11/12/2021	16	4	40.44	Yes	18.76	-21.68
2448	11/12/2021	16	5	42.19	Yes	18.76	-23.43
2449	11/12/2021	16	6	42.86	Yes	18.76	-24.10
2450	11/12/2021	16	7	42.51	Yes	18.76	-23.75
2451	11/12/2021	16	8	44.28	Yes	18.76	-25.52
2452	11/12/2021	16	9	48.98	Yes	18.76	-30.22
2453	11/12/2021	16	10	58.68	Yes	18.76	-39.92
2454	11/12/2021	16	11	61.87	Yes	18.76	-43.11
2455	11/12/2021	16	12	52.76	Yes	18.76	-34.00
2456	11/12/2021	17	7	37.38	Yes	18.76	-18.62
2457	11/12/2021	17	8	37.23	Yes	18.76	-18.47
2458	11/12/2021	17	9	38.93	Yes	18.76	-20.17
2459	11/12/2021	17	10	41.13	Yes	18.76	-22.37
2460	11/12/2021	17	11	41.63	Yes	18.76	-22.87
2461	11/12/2021	17	12	40.73	Yes	18.76	-21.97
2462	11/12/2021	18	1	37.12	Yes	18.76	-18.36
2463	11/12/2021	18	2	36.01	Yes	18.76	-17.25
2464	11/12/2021	18	3	35.83	Yes	18.76	-17.07
2465	11/12/2021	18	4	39.94	Yes	18.76	-21.18
2466	11/12/2021	18	5	39.31	Yes	18.76	-20.55

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2467	11/12/2021	18	6	40.69	Yes	18.76	-21.93
2468	11/12/2021	18	7	39.62	Yes	18.76	-20.86
2469	11/12/2021	18	8	38.19	Yes	18.76	-19.43
2470	11/12/2021	18	9	38.26	Yes	18.76	-19.50
2471	11/12/2021	18	10	36.69	Yes	18.76	-17.93
2472	11/12/2021	18	11	35.71	Yes	18.76	-16.95
2473	11/12/2021	18	12	36.32	Yes	18.76	-17.56
2474	11/12/2021	19	1	38.69	Yes	18.76	-19.93
2475	11/12/2021	19	2	37.51	Yes	18.76	-18.75
2476	11/12/2021	19	3	36.79	Yes	18.76	-18.03
2477	11/12/2021	19	4	37.39	Yes	18.76	-18.63
2478	11/12/2021	19	5	37.59	Yes	18.76	-18.83
2479	11/12/2021	19	6	37.57	Yes	18.76	-18.81
2480	11/12/2021	19	7	37.41	Yes	18.76	-18.65
2481	11/12/2021	19	8	36.98	Yes	18.76	-18.22
2482	11/12/2021	19	9	36.86	Yes	18.76	-18.10
2483	11/12/2021	19	10	37.02	Yes	18.76	-18.26
2484	11/12/2021	19	11	36.23	Yes	18.76	-17.47
2485	11/12/2021	19	12	36.12	Yes	18.76	-17.36
2486	11/12/2021	20	1	39.98	Yes	18.76	-21.22
2487	11/12/2021	20	2	40.08	Yes	18.76	-21.32
2488	11/12/2021	20	3	39.98	Yes	18.76	-21.22
2489	11/12/2021	20	4	37.91	Yes	18.76	-19.15
2490	11/12/2021	20	5	38.61	Yes	18.76	-19.85
2491	11/12/2021	20	6	38.07	Yes	18.76	-19.31
2492	11/12/2021	20	7	39.02	Yes	18.76	-20.26
2493	11/12/2021	20	8	39.12	Yes	18.76	-20.36
2494	11/12/2021	20	9	39.77	Yes	18.76	-21.01
2495	11/12/2021	20	10	38.37	Yes	18.76	-19.61
2496	11/12/2021	20	11	39.20	Yes	18.76	-20.44
2497	11/12/2021	20	12	39.59	Yes	18.76	-20.83
2498	11/12/2021	21	1	43.97	Yes	18.76	-25.21
2499	11/12/2021	21	2	44.41	Yes	18.76	-25.65
2500	11/12/2021	21	3	44.13	Yes	18.76	-25.37
2501	11/12/2021	21	4	41.67	Yes	18.76	-22.91
2502	11/12/2021	21	5	41.83	Yes	18.76	-23.07
2503	11/12/2021	21	6	40.78	Yes	18.76	-22.02
2504	11/12/2021	21	7	37.78	Yes	18.76	-19.02

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2505	11/12/2021	21	8	41.16	Yes	18.76	-22.40
2506	11/12/2021	21	9	41.16	Yes	18.76	-22.40
2507	11/12/2021	21	10	40.31	Yes	18.76	-21.55
2508	11/12/2021	21	11	39.95	Yes	18.76	-21.19
2509	11/12/2021	21	12	39.94	Yes	18.76	-21.18
2510	11/12/2021	22	1	43.28	Yes	18.76	-24.52
2511	11/12/2021	22	2	44.12	Yes	18.76	-25.36
2512	11/12/2021	22	3	46.23	Yes	18.76	-27.47
2513	11/12/2021	22	4	43.54	Yes	18.76	-24.78
2514	11/12/2021	22	5	41.42	Yes	18.76	-22.66
2515	11/12/2021	22	6	40.04	Yes	18.76	-21.28
2516	11/12/2021	22	7	38.62	Yes	18.76	-19.86
2517	11/12/2021	22	8	37.63	Yes	18.76	-18.87
2518	11/12/2021	22	9	37.06	Yes	18.76	-18.30
2519	11/12/2021	22	10	36.65	Yes	18.76	-17.89
2520	11/12/2021	22	11	35.96	Yes	18.76	-17.20
2521	11/12/2021	22	12	35.90	Yes	18.76	-17.14
2522	11/12/2021	23	1	39.17	Yes	18.76	-20.41
2523	11/12/2021	23	2	39.50	Yes	18.76	-20.74
2524	11/12/2021	23	3	39.99	Yes	18.76	-21.23
2525	11/12/2021	23	4	39.49	Yes	18.76	-20.73
2526	11/12/2021	23	5	38.91	Yes	18.76	-20.15
2527	11/12/2021	23	6	38.58	Yes	18.76	-19.82
2528	11/12/2021	23	7	36.30	Yes	18.76	-17.54
2529	11/12/2021	23	8	35.73	Yes	18.76	-16.97
2530	11/12/2021	23	9	35.12	Yes	18.76	-16.36
2531	11/12/2021	23	10	34.86	Yes	18.76	-16.10
2532	11/12/2021	23	11	34.81	Yes	18.76	-16.05
2533	11/12/2021	23	12	34.81	Yes	18.76	-16.05
2534	11/12/2021	24	1	34.73	Yes	18.76	-15.97
2535	11/12/2021	24	2	34.64	Yes	18.76	-15.88
2536	11/12/2021	24	3	35.42	Yes	18.76	-16.66
2537	11/12/2021	24	4	34.11	Yes	18.76	-15.35
2538	11/12/2021	24	5	34.59	Yes	18.76	-15.83
2539	11/12/2021	24	6	34.59	Yes	18.76	-15.83
2540	11/12/2021	24	7	33.58	Yes	18.76	-14.82
2541	11/12/2021	24	8	33.65	Yes	18.76	-14.89
2542	11/12/2021	24	9	33.65	Yes	18.76	-14.89

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2543	11/12/2021	24	10	33.52	Yes	18.76	-14.76
2544	11/12/2021	24	11	33.20	Yes	18.76	-14.44
2545	11/12/2021	24	12	32.50	Yes	18.76	-13.74
2546	11/13/2021	1	1	32.32	Yes	18.41	-13.91
2547	11/13/2021	1	2	34.11	Yes	18.41	-15.70
2548	11/13/2021	1	3	34.26	Yes	18.41	-15.85
2549	11/13/2021	1	4	34.20	Yes	18.41	-15.79
2550	11/13/2021	1	5	34.91	Yes	18.41	-16.50
2551	11/13/2021	1	6	34.47	Yes	18.41	-16.06
2552	11/13/2021	1	7	38.78	Yes	18.41	-20.37
2553	11/13/2021	1	8	38.78	Yes	18.41	-20.37
2554	11/13/2021	1	9	38.13	Yes	18.41	-19.72
2555	11/13/2021	1	10	37.88	Yes	18.41	-19.47
2556	11/13/2021	1	11	37.89	Yes	18.41	-19.48
2557	11/13/2021	1	12	37.78	Yes	18.41	-19.37
2558	11/13/2021	2	1	40.60	Yes	18.41	-22.19
2559	11/13/2021	2	2	40.64	Yes	18.41	-22.23
2560	11/13/2021	2	3	40.85	Yes	18.41	-22.44
2561	11/13/2021	2	4	40.94	Yes	18.41	-22.53
2562	11/13/2021	2	5	40.40	Yes	18.41	-21.99
2563	11/13/2021	2	6	40.94	Yes	18.41	-22.53
2564	11/13/2021	2	7	40.23	Yes	18.41	-21.82
2565	11/13/2021	2	8	39.82	Yes	18.41	-21.41
2566	11/13/2021	2	9	39.16	Yes	18.41	-20.75
2567	11/13/2021	2	10	39.15	Yes	18.41	-20.74
2568	11/13/2021	2	11	39.25	Yes	18.41	-20.84
2569	11/13/2021	2	12	39.37	Yes	18.41	-20.96
2570	11/13/2021	3	1	41.14	Yes	18.41	-22.73
2571	11/13/2021	3	2	40.82	Yes	18.41	-22.41
2572	11/13/2021	3	3	40.55	Yes	18.41	-22.14
2573	11/13/2021	3	4	40.77	Yes	18.41	-22.36
2574	11/13/2021	3	5	41.05	Yes	18.41	-22.64
2575	11/13/2021	3	6	40.77	Yes	18.41	-22.36
2576	11/13/2021	3	7	40.46	Yes	18.41	-22.05
2577	11/13/2021	3	8	40.46	Yes	18.41	-22.05
2578	11/13/2021	3	9	40.44	Yes	18.41	-22.03
2579	11/13/2021	3	10	40.35	Yes	18.41	-21.94
2580	11/13/2021	3	11	40.17	Yes	18.41	-21.76

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2581	11/13/2021	3	12	40.15	Yes	18.41	-21.74
2582	11/13/2021	4	1	40.96	Yes	18.41	-22.55
2583	11/13/2021	4	2	41.08	Yes	18.41	-22.67
2584	11/13/2021	4	3	40.87	Yes	18.41	-22.46
2585	11/13/2021	4	4	40.90	Yes	18.41	-22.49
2586	11/13/2021	4	5	40.92	Yes	18.41	-22.51
2587	11/13/2021	4	6	41.36	Yes	18.41	-22.95
2588	11/13/2021	4	7	40.66	Yes	18.41	-22.25
2589	11/13/2021	4	8	40.71	Yes	18.41	-22.30
2590	11/13/2021	4	9	40.92	Yes	18.41	-22.51
2591	11/13/2021	4	10	40.94	Yes	18.41	-22.53
2592	11/13/2021	4	11	40.94	Yes	18.41	-22.53
2593	11/13/2021	4	12	45.19	Yes	18.41	-26.78
2594	11/13/2021	5	1	48.44	Yes	18.41	-30.03
2595	11/13/2021	5	2	56.14	Yes	18.41	-37.73
2596	11/13/2021	5	3	48.96	Yes	18.41	-30.55
2597	11/13/2021	5	4	44.77	Yes	18.41	-26.36
2598	11/13/2021	5	5	44.77	Yes	18.41	-26.36
2599	11/13/2021	5	6	44.77	Yes	18.41	-26.36
2600	11/13/2021	5	7	47.05	Yes	18.41	-28.64
2601	11/13/2021	5	8	47.05	Yes	18.41	-28.64
2602	11/13/2021	5	9	47.49	Yes	18.41	-29.08
2603	11/13/2021	5	10	47.40	Yes	18.41	-28.99
2604	11/13/2021	5	11	47.64	Yes	18.41	-29.23
2605	11/13/2021	5	12	47.71	Yes	18.41	-29.30
2606	11/13/2021	6	1	45.16	Yes	18.41	-26.75
2607	11/13/2021	6	2	45.06	Yes	18.41	-26.65
2608	11/13/2021	6	3	45.20	Yes	18.41	-26.79
2609	11/13/2021	6	4	46.71	Yes	18.41	-28.30
2610	11/13/2021	6	5	48.01	Yes	18.41	-29.60
2611	11/13/2021	6	6	48.09	Yes	18.41	-29.68
2612	11/13/2021	6	7	48.86	Yes	18.41	-30.45
2613	11/13/2021	6	8	48.99	Yes	18.41	-30.58
2614	11/13/2021	6	9	49.01	Yes	18.41	-30.60
2615	11/13/2021	6	10	50.35	Yes	18.41	-31.94
2616	11/13/2021	6	11	50.69	Yes	18.41	-32.28
2617	11/13/2021	6	12	54.60	Yes	18.41	-36.19
2618	11/13/2021	7	1	136.32	Yes	18.41	-117.91



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2619	11/13/2021	7	2	133.49	Yes	18.41	-115.08
2620	11/13/2021	7	3	106.11	Yes	18.41	-87.70
2621	11/13/2021	7	4	111.29	Yes	18.41	-92.88
2622	11/13/2021	7	5	139.66	Yes	18.41	-121.25
2623	11/13/2021	7	6	77.51	Yes	18.41	-59.10
2624	11/13/2021	7	7	78.04	Yes	18.41	-59.63
2625	11/13/2021	7	8	65.07	Yes	18.41	-46.66
2626	11/13/2021	7	9	64.83	Yes	18.41	-46.42
2627	11/13/2021	7	10	91.90	Yes	18.41	-73.49
2628	11/13/2021	7	11	132.09	Yes	18.41	-113.68
2629	11/13/2021	7	12	136.39	Yes	18.41	-117.98
2630	11/13/2021	8	1	169.91	Yes	18.41	-151.50
2631	11/13/2021	8	2	950.09	Yes	18.41	-931.68
2632	11/13/2021	8	3	947.87	Yes	18.41	-929.46
2633	11/13/2021	8	4	953.76	Yes	18.41	-935.35
2634	11/13/2021	8	5	953.64	Yes	18.41	-935.23
2635	11/13/2021	8	6	950.76	Yes	18.41	-932.35
2636	11/13/2021	8	7	441.18	Yes	18.41	-422.77
2637	11/13/2021	8	8	141.99	Yes	18.41	-123.58
2638	11/13/2021	8	9	136.19	Yes	18.41	-117.78
2639	11/13/2021	8	10	110.86	Yes	18.41	-92.45
2640	11/13/2021	8	11	105.67	Yes	18.41	-87.26
2641	11/13/2021	8	12	105.82	Yes	18.41	-87.41
2642	11/13/2021	9	1	122.11	Yes	18.41	-103.70
2643	11/13/2021	9	2	126.70	Yes	18.41	-108.29
2644	11/13/2021	9	3	105.69	Yes	18.41	-87.28
2645	11/13/2021	9	4	77.94	Yes	18.41	-59.53
2646	11/13/2021	9	5	68.02	Yes	18.41	-49.61
2647	11/13/2021	9	6	70.17	Yes	18.41	-51.76
2648	11/13/2021	9	7	63.56	Yes	18.41	-45.15
2649	11/13/2021	9	8	63.11	Yes	18.41	-44.70
2650	11/13/2021	9	9	63.03	Yes	18.41	-44.62
2651	11/13/2021	9	10	61.90	Yes	18.41	-43.49
2652	11/13/2021	9	11	67.45	Yes	18.41	-49.04
2653	11/13/2021	9	12	60.35	Yes	18.41	-41.94
2654	11/13/2021	10	1	101.28	Yes	18.41	-82.87
2655	11/13/2021	10	2	106.25	Yes	18.41	-87.84
2656	11/13/2021	10	3	110.92	Yes	18.41	-92.51

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2657	11/13/2021	10	4	87.13	Yes	18.41	-68.72
2658	11/13/2021	10	5	80.99	Yes	18.41	-62.58
2659	11/13/2021	10	6	65.72	Yes	18.41	-47.31
2660	11/13/2021	10	7	83.82	Yes	18.41	-65.41
2661	11/13/2021	10	8	83.94	Yes	18.41	-65.53
2662	11/13/2021	10	9	84.78	Yes	18.41	-66.37
2663	11/13/2021	10	10	72.68	Yes	18.41	-54.27
2664	11/13/2021	10	11	61.60	Yes	18.41	-43.19
2665	11/13/2021	10	12	59.89	Yes	18.41	-41.48
2666	11/13/2021	11	1	68.10	Yes	18.41	-49.69
2667	11/13/2021	11	2	65.44	Yes	18.41	-47.03
2668	11/13/2021	11	3	66.58	Yes	18.41	-48.17
2669	11/13/2021	11	4	55.53	Yes	18.41	-37.12
2670	11/13/2021	11	5	56.71	Yes	18.41	-38.30
2671	11/13/2021	11	6	46.58	Yes	18.41	-28.17
2672	11/13/2021	11	7	45.70	Yes	18.41	-27.29
2673	11/13/2021	11	8	45.63	Yes	18.41	-27.22
2674	11/13/2021	11	9	45.36	Yes	18.41	-26.95
2675	11/13/2021	11	10	43.33	Yes	18.41	-24.92
2676	11/13/2021	11	11	43.33	Yes	18.41	-24.92
2677	11/13/2021	11	12	43.33	Yes	18.41	-24.92
2678	11/13/2021	12	1	60.15	Yes	18.41	-41.74
2679	11/13/2021	12	2	50.12	Yes	18.41	-31.71
2680	11/13/2021	12	3	51.99	Yes	18.41	-33.58
2681	11/13/2021	12	4	49.10	Yes	18.41	-30.69
2682	11/13/2021	12	5	49.11	Yes	18.41	-30.70
2683	11/13/2021	12	6	44.65	Yes	18.41	-26.24
2684	11/13/2021	12	7	43.14	Yes	18.41	-24.73
2685	11/13/2021	12	8	43.04	Yes	18.41	-24.63
2686	11/13/2021	12	9	45.37	Yes	18.41	-26.96
2687	11/13/2021	12	10	41.33	Yes	18.41	-22.92
2688	11/13/2021	12	11	39.79	Yes	18.41	-21.38
2689	11/13/2021	12	12	38.79	Yes	18.41	-20.38
2690	11/13/2021	13	1	45.38	Yes	18.41	-26.97
2691	11/13/2021	13	2	44.71	Yes	18.41	-26.30
2692	11/13/2021	13	3	43.88	Yes	18.41	-25.47
2693	11/13/2021	13	4	41.13	Yes	18.41	-22.72
2694	11/13/2021	13	5	41.13	Yes	18.41	-22.72

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2695	11/13/2021	13	6	37.91	Yes	18.41	-19.50
2696	11/13/2021	13	7	39.62	Yes	18.41	-21.21
2697	11/13/2021	13	8	38.30	Yes	18.41	-19.89
2698	11/13/2021	13	9	42.43	Yes	18.41	-24.02
2699	11/13/2021	13	10	51.23	Yes	18.41	-32.82
2700	11/13/2021	13	11	45.82	Yes	18.41	-27.41
2701	11/13/2021	13	12	46.12	Yes	18.41	-27.71
2702	11/13/2021	14	1	45.66	Yes	18.41	-27.25
2703	11/13/2021	14	2	36.22	Yes	18.41	-17.81
2704	11/13/2021	14	3	38.52	Yes	18.41	-20.11
2705	11/13/2021	14	4	41.53	Yes	18.41	-23.12
2706	11/13/2021	14	5	41.59	Yes	18.41	-23.18
2707	11/13/2021	14	6	41.39	Yes	18.41	-22.98
2708	11/13/2021	14	7	38.41	Yes	18.41	-20.00
2709	11/13/2021	14	8	38.65	Yes	18.41	-20.24
2710	11/13/2021	14	9	41.06	Yes	18.41	-22.65
2711	11/13/2021	14	10	39.15	Yes	18.41	-20.74
2712	11/13/2021	14	11	39.83	Yes	18.41	-21.42
2713	11/13/2021	14	12	39.92	Yes	18.41	-21.51
2714	11/13/2021	15	1	37.42	Yes	18.41	-19.01
2715	11/13/2021	15	2	36.60	Yes	18.41	-18.19
2716	11/13/2021	15	3	30.06	Yes	18.41	-11.65
2717	11/13/2021	15	4	24.43	Yes	18.41	-6.02
2718	11/13/2021	15	5	30.92	Yes	18.41	-12.51
2719	11/13/2021	15	6	32.99	Yes	18.41	-14.58
2720	11/13/2021	15	7	35.63	Yes	18.41	-17.22
2721	11/13/2021	15	8	38.48	Yes	18.41	-20.07
2722	11/13/2021	15	9	37.48	Yes	18.41	-19.07
2723	11/13/2021	15	10	39.95	Yes	18.41	-21.54
2724	11/13/2021	15	11	40.70	Yes	18.41	-22.29
2725	11/13/2021	15	12	39.79	Yes	18.41	-21.38
2726	11/13/2021	16	1	30.24	Yes	18.41	-11.83
2727	11/13/2021	16	2	30.37	Yes	18.41	-11.96
2728	11/13/2021	16	3	32.83	Yes	18.41	-14.42
2729	11/13/2021	16	4	42.46	Yes	18.41	-24.05
2730	11/13/2021	16	5	46.34	Yes	18.41	-27.93
2731	11/13/2021	16	6	48.69	Yes	18.41	-30.28
2732	11/13/2021	16	7	51.77	Yes	18.41	-33.36

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2733	11/13/2021	16	8	62.21	Yes	18.41	-43.80
2734	11/13/2021	16	9	70.98	Yes	18.41	-52.57
2735	11/13/2021	16	10	83.01	Yes	18.41	-64.60
2736	11/13/2021	16	11	237.88	Yes	18.41	-219.47
2737	11/13/2021	16	12	860.69	Yes	18.41	-842.28
2738	11/13/2021	17	1	61.55	Yes	18.41	-43.14
2739	11/13/2021	17	2	54.21	Yes	18.41	-35.80
2740	11/13/2021	17	3	55.46	Yes	18.41	-37.05
2741	11/13/2021	17	4	63.65	Yes	18.41	-45.24
2742	11/13/2021	17	5	64.17	Yes	18.41	-45.76
2743	11/13/2021	17	6	69.87	Yes	18.41	-51.46
2744	11/13/2021	17	7	71.94	Yes	18.41	-53.53
2745	11/13/2021	17	8	71.94	Yes	18.41	-53.53
2746	11/13/2021	17	9	71.94	Yes	18.41	-53.53
2747	11/13/2021	17	10	72.75	Yes	18.41	-54.34
2748	11/13/2021	17	11	73.92	Yes	18.41	-55.51
2749	11/13/2021	17	12	71.26	Yes	18.41	-52.85
2750	11/13/2021	18	1	52.33	Yes	18.41	-33.92
2751	11/13/2021	18	2	49.07	Yes	18.41	-30.66
2752	11/13/2021	18	3	53.96	Yes	18.41	-35.55
2753	11/13/2021	18	4	56.48	Yes	18.41	-38.07
2754	11/13/2021	18	5	56.68	Yes	18.41	-38.27
2755	11/13/2021	18	6	56.71	Yes	18.41	-38.30
2756	11/13/2021	18	7	56.43	Yes	18.41	-38.02
2757	11/13/2021	18	8	55.36	Yes	18.41	-36.95
2758	11/13/2021	18	9	54.69	Yes	18.41	-36.28
2759	11/13/2021	18	10	55.42	Yes	18.41	-37.01
2760	11/13/2021	18	11	55.20	Yes	18.41	-36.79
2761	11/13/2021	18	12	52.99	Yes	18.41	-34.58
2762	11/13/2021	19	1	55.85	Yes	18.41	-37.44
2763	11/13/2021	19	2	54.80	Yes	18.41	-36.39
2764	11/13/2021	19	3	55.18	Yes	18.41	-36.77
2765	11/13/2021	19	4	56.23	Yes	18.41	-37.82
2766	11/13/2021	19	5	57.26	Yes	18.41	-38.85
2767	11/13/2021	19	6	56.98	Yes	18.41	-38.57
2768	11/13/2021	19	7	55.14	Yes	18.41	-36.73
2769	11/13/2021	19	8	53.07	Yes	18.41	-34.66
2770	11/13/2021	19	9	53.62	Yes	18.41	-35.21

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2771	11/13/2021	19	10	53.25	Yes	18.41	-34.84
2772	11/13/2021	19	11	52.24	Yes	18.41	-33.83
2773	11/13/2021	19	12	52.38	Yes	18.41	-33.97
2774	11/13/2021	20	1	62.96	Yes	18.41	-44.55
2775	11/13/2021	20	2	60.52	Yes	18.41	-42.11
2776	11/13/2021	20	3	60.93	Yes	18.41	-42.52
2777	11/13/2021	20	4	56.98	Yes	18.41	-38.57
2778	11/13/2021	20	5	56.81	Yes	18.41	-38.40
2779	11/13/2021	20	6	55.69	Yes	18.41	-37.28
2780	11/13/2021	20	7	57.73	Yes	18.41	-39.32
2781	11/13/2021	20	8	56.41	Yes	18.41	-38.00
2782	11/13/2021	20	9	54.32	Yes	18.41	-35.91
2783	11/13/2021	20	10	58.47	Yes	18.41	-40.06
2784	11/13/2021	20	11	58.45	Yes	18.41	-40.04
2785	11/13/2021	20	12	59.07	Yes	18.41	-40.66
2786	11/13/2021	21	1	61.11	Yes	18.41	-42.70
2787	11/13/2021	21	2	61.86	Yes	18.41	-43.45
2788	11/13/2021	21	3	60.98	Yes	18.41	-42.57
2789	11/13/2021	21	4	60.10	Yes	18.41	-41.69
2790	11/13/2021	21	5	59.91	Yes	18.41	-41.50
2791	11/13/2021	21	6	59.41	Yes	18.41	-41.00
2792	11/13/2021	21	7	58.26	Yes	18.41	-39.85
2793	11/13/2021	21	8	56.40	Yes	18.41	-37.99
2794	11/13/2021	21	9	55.89	Yes	18.41	-37.48
2795	11/13/2021	21	10	54.37	Yes	18.41	-35.96
2796	11/13/2021	21	11	55.14	Yes	18.41	-36.73
2797	11/13/2021	21	12	55.02	Yes	18.41	-36.61
2798	11/13/2021	22	1	58.34	Yes	18.41	-39.93
2799	11/13/2021	22	2	57.03	Yes	18.41	-38.62
2800	11/13/2021	22	3	56.50	Yes	18.41	-38.09
2801	11/13/2021	22	4	53.42	Yes	18.41	-35.01
2802	11/13/2021	22	5	55.19	Yes	18.41	-36.78
2803	11/13/2021	22	6	53.31	Yes	18.41	-34.90
2804	11/13/2021	22	7	51.67	Yes	18.41	-33.26
2805	11/13/2021	22	8	50.69	Yes	18.41	-32.28
2806	11/13/2021	22	9	49.54	Yes	18.41	-31.13
2807	11/13/2021	22	10	47.97	Yes	18.41	-29.56
2808	11/13/2021	22	11	47.97	Yes	18.41	-29.56

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2809	11/13/2021	22	12	47.59	Yes	18.41	-29.18
2810	11/13/2021	23	1	50.06	Yes	18.41	-31.65
2811	11/13/2021	23	2	49.02	Yes	18.41	-30.61
2812	11/13/2021	23	3	48.73	Yes	18.41	-30.32
2813	11/13/2021	23	4	48.83	Yes	18.41	-30.42
2814	11/13/2021	23	5	48.01	Yes	18.41	-29.60
2815	11/13/2021	23	6	47.80	Yes	18.41	-29.39
2816	11/13/2021	23	7	47.56	Yes	18.41	-29.15
2817	11/13/2021	23	8	48.58	Yes	18.41	-30.17
2818	11/13/2021	23	9	47.81	Yes	18.41	-29.40
2819	11/13/2021	23	10	52.87	Yes	18.41	-34.46
2820	11/13/2021	23	11	52.43	Yes	18.41	-34.02
2821	11/13/2021	23	12	51.62	Yes	18.41	-33.21
2822	11/13/2021	24	1	52.43	Yes	18.41	-34.02
2823	11/13/2021	24	2	52.23	Yes	18.41	-33.82
2824	11/13/2021	24	3	51.52	Yes	18.41	-33.11
2825	11/13/2021	24	4	50.67	Yes	18.41	-32.26
2826	11/13/2021	24	5	50.55	Yes	18.41	-32.14
2827	11/13/2021	24	6	50.25	Yes	18.41	-31.84
2828	11/13/2021	24	7	49.44	Yes	18.41	-31.03
2829	11/13/2021	24	8	49.44	Yes	18.41	-31.03
2830	11/13/2021	24	9	48.64	Yes	18.41	-30.23
2831	11/13/2021	24	10	49.07	Yes	18.41	-30.66
2832	11/13/2021	24	11	48.71	Yes	18.41	-30.30
2833	11/13/2021	24	12	48.60	Yes	18.41	-30.19
2834	11/14/2021	1	1	47.46	Yes	18.41	-29.05
2835	11/14/2021	1	2	48.10	Yes	18.41	-29.69
2836	11/14/2021	1	3	47.67	Yes	18.41	-29.26
2837	11/14/2021	1	4	47.70	Yes	18.41	-29.29
2838	11/14/2021	1	5	48.26	Yes	18.41	-29.85
2839	11/14/2021	1	6	48.62	Yes	18.41	-30.21
2840	11/14/2021	1	7	48.64	Yes	18.41	-30.23
2841	11/14/2021	1	8	48.64	Yes	18.41	-30.23
2842	11/14/2021	1	9	48.64	Yes	18.41	-30.23
2843	11/14/2021	1	10	48.11	Yes	18.41	-29.70
2844	11/14/2021	1	11	48.11	Yes	18.41	-29.70
2845	11/14/2021	1	12	46.86	Yes	18.41	-28.45
2846	11/14/2021	2	1	47.55	Yes	18.41	-29.14

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2847	11/14/2021	2	2	47.55	Yes	18.41	-29.14
2848	11/14/2021	2	3	47.55	Yes	18.41	-29.14
2849	11/14/2021	2	4	46.81	Yes	18.41	-28.40
2850	11/14/2021	2	5	46.81	Yes	18.41	-28.40
2851	11/14/2021	2	6	46.81	Yes	18.41	-28.40
2852	11/14/2021	2	7	46.10	Yes	18.41	-27.69
2853	11/14/2021	2	8	46.10	Yes	18.41	-27.69
2854	11/14/2021	2	9	46.10	Yes	18.41	-27.69
2855	11/14/2021	2	10	45.81	Yes	18.41	-27.40
2856	11/14/2021	2	11	46.50	Yes	18.41	-28.09
2857	11/14/2021	2	12	45.81	Yes	18.41	-27.40
2858	11/14/2021	3	1	47.05	Yes	18.41	-28.64
2859	11/14/2021	3	2	47.24	Yes	18.41	-28.83
2860	11/14/2021	3	3	47.24	Yes	18.41	-28.83
2861	11/14/2021	3	4	47.11	Yes	18.41	-28.70
2862	11/14/2021	3	5	47.11	Yes	18.41	-28.70
2863	11/14/2021	3	6	47.11	Yes	18.41	-28.70
2864	11/14/2021	3	7	46.75	Yes	18.41	-28.34
2865	11/14/2021	3	8	45.70	Yes	18.41	-27.29
2866	11/14/2021	3	9	45.19	Yes	18.41	-26.78
2867	11/14/2021	3	10	44.36	Yes	18.41	-25.95
2868	11/14/2021	3	11	44.59	Yes	18.41	-26.18
2869	11/14/2021	3	12	44.59	Yes	18.41	-26.18
2870	11/14/2021	4	1	45.92	Yes	18.41	-27.51
2871	11/14/2021	4	2	45.85	Yes	18.41	-27.44
2872	11/14/2021	4	3	45.91	Yes	18.41	-27.50
2873	11/14/2021	4	4	46.67	Yes	18.41	-28.26
2874	11/14/2021	4	5	46.67	Yes	18.41	-28.26
2875	11/14/2021	4	6	46.69	Yes	18.41	-28.28
2876	11/14/2021	4	7	46.61	Yes	18.41	-28.20
2877	11/14/2021	4	8	46.61	Yes	18.41	-28.20
2878	11/14/2021	4	9	46.61	Yes	18.41	-28.20
2879	11/14/2021	4	10	46.39	Yes	18.41	-27.98
2880	11/14/2021	4	11	46.43	Yes	18.41	-28.02
2881	11/14/2021	4	12	46.25	Yes	18.41	-27.84
2882	11/14/2021	5	1	47.81	Yes	18.41	-29.40
2883	11/14/2021	5	2	47.77	Yes	18.41	-29.36
2884	11/14/2021	5	3	47.81	Yes	18.41	-29.40

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2885	11/14/2021	5	4	47.87	Yes	18.41	-29.46
2886	11/14/2021	5	5	47.87	Yes	18.41	-29.46
2887	11/14/2021	5	6	44.64	Yes	18.41	-26.23
2888	11/14/2021	5	7	39.87	Yes	18.41	-21.46
2889	11/14/2021	5	8	39.87	Yes	18.41	-21.46
2890	11/14/2021	5	9	40.51	Yes	18.41	-22.10
2891	11/14/2021	5	10	40.22	Yes	18.41	-21.81
2892	11/14/2021	5	11	41.65	Yes	18.41	-23.24
2893	11/14/2021	5	12	41.65	Yes	18.41	-23.24
2894	11/14/2021	6	1	44.70	Yes	18.41	-26.29
2895	11/14/2021	6	2	46.34	Yes	18.41	-27.93
2896	11/14/2021	6	3	46.67	Yes	18.41	-28.26
2897	11/14/2021	6	4	46.73	Yes	18.41	-28.32
2898	11/14/2021	6	5	46.73	Yes	18.41	-28.32
2899	11/14/2021	6	6	46.70	Yes	18.41	-28.29
2900	11/14/2021	6	9	47.39	Yes	18.41	-28.98
2901	11/14/2021	6	10	43.44	Yes	18.41	-25.03
2902	11/14/2021	6	11	43.44	Yes	18.41	-25.03
2903	11/14/2021	6	12	44.34	Yes	18.41	-25.93
2904	11/14/2021	7	1	46.46	Yes	18.41	-28.05
2905	11/14/2021	7	2	46.81	Yes	18.41	-28.40
2906	11/14/2021	7	3	46.61	Yes	18.41	-28.20
2907	11/14/2021	7	4	46.72	Yes	18.41	-28.31
2908	11/14/2021	7	5	46.89	Yes	18.41	-28.48
2909	11/14/2021	7	6	47.48	Yes	18.41	-29.07
2910	11/14/2021	7	7	46.88	Yes	18.41	-28.47
2911	11/14/2021	7	8	46.61	Yes	18.41	-28.20
2912	11/14/2021	7	9	45.15	Yes	18.41	-26.74
2913	11/14/2021	7	10	44.75	Yes	18.41	-26.34
2914	11/14/2021	7	11	44.75	Yes	18.41	-26.34
2915	11/14/2021	7	12	44.75	Yes	18.41	-26.34
2916	11/14/2021	8	1	49.17	Yes	18.41	-30.76
2917	11/14/2021	8	2	49.16	Yes	18.41	-30.75
2918	11/14/2021	8	3	49.93	Yes	18.41	-31.52
2919	11/14/2021	8	4	48.39	Yes	18.41	-29.98
2920	11/14/2021	8	5	46.05	Yes	18.41	-27.64
2921	11/14/2021	8	6	42.43	Yes	18.41	-24.02
2922	11/14/2021	8	7	30.23	Yes	18.41	-11.82



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2923	11/14/2021	8	8	16.30	Yes	18.41	2.11
2924	11/14/2021	8	9	0.02	Yes	18.41	18.39
2925	11/14/2021	8	10	0.04	Yes	18.41	18.37
2926	11/14/2021	8	11	0.03	Yes	18.41	18.38
2927	11/14/2021	8	12	0.03	Yes	18.41	18.38
2928	11/14/2021	9	1	0.00	Yes	18.41	18.41
2929	11/14/2021	9	2	2.41	Yes	18.41	16.00
2930	11/14/2021	9	3	2.15	Yes	18.41	16.26
2931	11/14/2021	9	4	-0.01	Yes	18.41	18.42
2932	11/14/2021	9	5	6.73	Yes	18.41	11.68
2933	11/14/2021	9	6	15.82	Yes	18.41	2.59
2934	11/14/2021	9	7	13.12	Yes	18.41	5.29
2935	11/14/2021	9	8	0.02	Yes	18.41	18.39
2936	11/14/2021	9	9	0.00	Yes	18.41	18.41
2937	11/14/2021	9	10	0.01	Yes	18.41	18.40
2938	11/14/2021	9	11	0.01	Yes	18.41	18.40
2939	11/14/2021	9	12	0.16	Yes	18.41	18.25
2940	11/14/2021	10	1	28.35	Yes	18.41	-9.94
2941	11/14/2021	10	2	33.58	Yes	18.41	-15.17
2942	11/14/2021	10	3	33.58	Yes	18.41	-15.17
2943	11/14/2021	10	4	33.14	Yes	18.41	-14.73
2944	11/14/2021	10	5	31.25	Yes	18.41	-12.84
2945	11/14/2021	10	6	31.25	Yes	18.41	-12.84
2946	11/14/2021	10	7	21.18	Yes	18.41	-2.77
2947	11/14/2021	10	8	16.06	Yes	18.41	2.35
2948	11/14/2021	10	9	5.87	Yes	18.41	12.54
2949	11/14/2021	10	10	29.87	Yes	18.41	-11.46
2950	11/14/2021	10	11	29.27	Yes	18.41	-10.86
2951	11/14/2021	10	12	30.89	Yes	18.41	-12.48
2952	11/14/2021	11	1	30.20	Yes	18.41	-11.79
2953	11/14/2021	11	2	29.05	Yes	18.41	-10.64
2954	11/14/2021	11	3	26.36	Yes	18.41	-7.95
2955	11/14/2021	11	4	29.63	Yes	18.41	-11.22
2956	11/14/2021	11	5	30.52	Yes	18.41	-12.11
2957	11/14/2021	11	6	28.61	Yes	18.41	-10.20
2958	11/14/2021	11	7	25.99	Yes	18.41	-7.58
2959	11/14/2021	11	8	28.12	Yes	18.41	-9.71
2960	11/14/2021	11	9	26.95	Yes	18.41	-8.54

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2961	11/14/2021	11	10	25.82	Yes	18.41	-7.41
2962	11/14/2021	11	11	26.82	Yes	18.41	-8.41
2963	11/14/2021	11	12	26.82	Yes	18.41	-8.41
2964	11/14/2021	12	1	32.29	Yes	18.41	-13.88
2965	11/14/2021	12	2	33.17	Yes	18.41	-14.76
2966	11/14/2021	12	3	31.71	Yes	18.41	-13.30
2967	11/14/2021	12	4	28.45	Yes	18.41	-10.04
2968	11/14/2021	12	5	27.42	Yes	18.41	-9.01
2969	11/14/2021	12	6	25.84	Yes	18.41	-7.43
2970	11/14/2021	12	7	17.68	Yes	18.41	0.73
2971	11/14/2021	12	8	21.23	Yes	18.41	-2.82
2972	11/14/2021	12	9	21.26	Yes	18.41	-2.85
2973	11/14/2021	12	10	18.56	Yes	18.41	-0.15
2974	11/14/2021	12	11	18.49	Yes	18.41	-0.08
2975	11/14/2021	12	12	22.08	Yes	18.41	-3.67
2976	11/14/2021	13	1	26.25	Yes	18.41	-7.84
2977	11/14/2021	13	2	24.69	Yes	18.41	-6.28
2978	11/14/2021	13	3	27.93	Yes	18.41	-9.52
2979	11/14/2021	13	4	25.03	Yes	18.41	-6.62
2980	11/14/2021	13	5	21.04	Yes	18.41	-2.63
2981	11/14/2021	13	6	25.63	Yes	18.41	-7.22
2982	11/14/2021	13	7	21.85	Yes	18.41	-3.44
2983	11/14/2021	13	8	22.04	Yes	18.41	-3.63
2984	11/14/2021	13	9	24.93	Yes	18.41	-6.52
2985	11/14/2021	13	10	23.73	Yes	18.41	-5.32
2986	11/14/2021	13	11	22.96	Yes	18.41	-4.55
2987	11/14/2021	13	12	20.38	Yes	18.41	-1.97
2988	11/14/2021	14	1	30.33	Yes	18.41	-11.92
2989	11/14/2021	14	2	29.14	Yes	18.41	-10.73
2990	11/14/2021	14	3	30.81	Yes	18.41	-12.40
2991	11/14/2021	14	4	29.43	Yes	18.41	-11.02
2992	11/14/2021	14	5	23.73	Yes	18.41	-5.32
2993	11/14/2021	14	6	21.51	Yes	18.41	-3.10
2994	11/14/2021	14	7	17.36	Yes	18.41	1.05
2995	11/14/2021	14	8	21.24	Yes	18.41	-2.83
2996	11/14/2021	14	9	22.79	Yes	18.41	-4.38
2997	11/14/2021	14	10	24.50	Yes	18.41	-6.09
2998	11/14/2021	14	11	26.66	Yes	18.41	-8.25

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2999	11/14/2021	14	12	24.49	Yes	18.41	-6.08
3000	11/14/2021	15	1	5.05	Yes	18.41	13.36
3001	11/14/2021	15	2	-0.01	Yes	18.41	18.42
3002	11/14/2021	15	3	0.02	Yes	18.41	18.39
3003	11/14/2021	15	4	0.01	Yes	18.41	18.40
3004	11/14/2021	15	5	9.30	Yes	18.41	9.11
3005	11/14/2021	15	6	20.39	Yes	18.41	-1.98
3006	11/14/2021	15	7	21.39	Yes	18.41	-2.98
3007	11/14/2021	15	8	24.33	Yes	18.41	-5.92
3008	11/14/2021	15	9	30.04	Yes	18.41	-11.63
3009	11/14/2021	15	10	33.51	Yes	18.41	-15.10
3010	11/14/2021	15	11	33.53	Yes	18.41	-15.12
3011	11/14/2021	15	12	34.03	Yes	18.41	-15.62
3012	11/14/2021	16	1	27.84	Yes	18.41	-9.43
3013	11/14/2021	16	2	24.25	Yes	18.41	-5.84
3014	11/14/2021	16	3	28.70	Yes	18.41	-10.29
3015	11/14/2021	16	4	33.51	Yes	18.41	-15.10
3016	11/14/2021	16	5	38.44	Yes	18.41	-20.03
3017	11/14/2021	16	6	41.09	Yes	18.41	-22.68
3018	11/14/2021	16	7	42.08	Yes	18.41	-23.67
3019	11/14/2021	16	8	51.54	Yes	18.41	-33.13
3020	11/14/2021	16	9	54.53	Yes	18.41	-36.12
3021	11/14/2021	16	10	61.32	Yes	18.41	-42.91
3022	11/14/2021	16	11	66.39	Yes	18.41	-47.98
3023	11/14/2021	16	12	65.38	Yes	18.41	-46.97
3024	11/14/2021	17	1	37.66	Yes	18.41	-19.25
3025	11/14/2021	17	2	37.36	Yes	18.41	-18.95
3026	11/14/2021	17	3	38.97	Yes	18.41	-20.56
3027	11/14/2021	17	4	42.02	Yes	18.41	-23.61
3028	11/14/2021	17	5	42.75	Yes	18.41	-24.34
3029	11/14/2021	17	6	44.42	Yes	18.41	-26.01
3030	11/14/2021	17	7	44.56	Yes	18.41	-26.15
3031	11/14/2021	17	8	46.88	Yes	18.41	-28.47
3032	11/14/2021	17	9	47.76	Yes	18.41	-29.35
3033	11/14/2021	17	10	49.06	Yes	18.41	-30.65
3034	11/14/2021	17	11	50.90	Yes	18.41	-32.49
3035	11/14/2021	17	12	51.08	Yes	18.41	-32.67
3036	11/14/2021	18	1	48.67	Yes	18.41	-30.26

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3037	11/14/2021	18	2	48.16	Yes	18.41	-29.75
3038	11/14/2021	18	3	49.28	Yes	18.41	-30.87
3039	11/14/2021	18	4	49.84	Yes	18.41	-31.43
3040	11/14/2021	18	5	51.16	Yes	18.41	-32.75
3041	11/14/2021	18	6	50.37	Yes	18.41	-31.96
3042	11/14/2021	18	7	50.15	Yes	18.41	-31.74
3043	11/14/2021	18	8	49.20	Yes	18.41	-30.79
3044	11/14/2021	18	9	49.20	Yes	18.41	-30.79
3045	11/14/2021	18	10	49.30	Yes	18.41	-30.89
3046	11/14/2021	18	11	48.26	Yes	18.41	-29.85
3047	11/14/2021	18	12	47.63	Yes	18.41	-29.22
3048	11/14/2021	19	1	51.82	Yes	18.41	-33.41
3049	11/14/2021	19	2	49.89	Yes	18.41	-31.48
3050	11/14/2021	19	3	49.31	Yes	18.41	-30.90
3051	11/14/2021	19	4	48.11	Yes	18.41	-29.70
3052	11/14/2021	19	5	48.17	Yes	18.41	-29.76
3053	11/14/2021	19	6	48.17	Yes	18.41	-29.76
3054	11/14/2021	19	7	47.63	Yes	18.41	-29.22
3055	11/14/2021	19	8	47.63	Yes	18.41	-29.22
3056	11/14/2021	19	9	47.63	Yes	18.41	-29.22
3057	11/14/2021	19	10	47.63	Yes	18.41	-29.22
3058	11/14/2021	19	11	47.49	Yes	18.41	-29.08
3059	11/14/2021	19	12	46.70	Yes	18.41	-28.29
3060	11/14/2021	20	1	49.78	Yes	18.41	-31.37
3061	11/14/2021	20	2	50.12	Yes	18.41	-31.71
3062	11/14/2021	20	3	49.86	Yes	18.41	-31.45
3063	11/14/2021	20	4	49.20	Yes	18.41	-30.79
3064	11/14/2021	20	5	49.20	Yes	18.41	-30.79
3065	11/14/2021	20	6	48.94	Yes	18.41	-30.53
3066	11/14/2021	20	7	50.08	Yes	18.41	-31.67
3067	11/14/2021	20	8	49.70	Yes	18.41	-31.29
3068	11/14/2021	20	9	49.23	Yes	18.41	-30.82
3069	11/14/2021	20	10	49.08	Yes	18.41	-30.67
3070	11/14/2021	20	11	49.06	Yes	18.41	-30.65
3071	11/14/2021	20	12	48.78	Yes	18.41	-30.37
3072	11/14/2021	21	1	59.65	Yes	18.41	-41.24
3073	11/14/2021	21	2	60.10	Yes	18.41	-41.69
3074	11/14/2021	21	3	59.09	Yes	18.41	-40.68

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3075	11/14/2021	21	4	63.21	Yes	18.41	-44.80
3076	11/14/2021	21	5	56.78	Yes	18.41	-38.37
3077	11/14/2021	21	6	58.86	Yes	18.41	-40.45
3078	11/14/2021	21	7	55.78	Yes	18.41	-37.37
3079	11/14/2021	21	8	55.78	Yes	18.41	-37.37
3080	11/14/2021	21	9	55.71	Yes	18.41	-37.30
3081	11/14/2021	21	10	54.30	Yes	18.41	-35.89
3082	11/14/2021	21	11	54.30	Yes	18.41	-35.89
3083	11/14/2021	21	12	55.23	Yes	18.41	-36.82
3084	11/14/2021	22	1	54.70	Yes	18.41	-36.29
3085	11/14/2021	22	2	54.33	Yes	18.41	-35.92
3086	11/14/2021	22	3	54.31	Yes	18.41	-35.90
3087	11/14/2021	22	4	54.43	Yes	18.41	-36.02
3088	11/14/2021	22	5	54.22	Yes	18.41	-35.81
3089	11/14/2021	22	6	54.10	Yes	18.41	-35.69
3090	11/14/2021	22	7	53.40	Yes	18.41	-34.99
3091	11/14/2021	22	8	52.45	Yes	18.41	-34.04
3092	11/14/2021	22	9	52.48	Yes	18.41	-34.07
3093	11/14/2021	22	10	51.86	Yes	18.41	-33.45
3094	11/14/2021	22	11	50.87	Yes	18.41	-32.46
3095	11/14/2021	22	12	50.49	Yes	18.41	-32.08
3096	11/14/2021	23	1	52.68	Yes	18.41	-34.27
3097	11/14/2021	23	2	53.38	Yes	18.41	-34.97
3098	11/14/2021	23	3	53.38	Yes	18.41	-34.97
3099	11/14/2021	23	4	52.28	Yes	18.41	-33.87
3100	11/14/2021	23	5	50.98	Yes	18.41	-32.57
3101	11/14/2021	23	6	50.90	Yes	18.41	-32.49
3102	11/14/2021	23	7	50.00	Yes	18.41	-31.59
3103	11/14/2021	23	8	49.79	Yes	18.41	-31.38
3104	11/14/2021	23	9	48.93	Yes	18.41	-30.52
3105	11/14/2021	23	10	47.52	Yes	18.41	-29.11
3106	11/14/2021	23	11	47.41	Yes	18.41	-29.00
3107	11/14/2021	23	12	47.11	Yes	18.41	-28.70
3108	11/14/2021	24	1	46.43	Yes	18.41	-28.02
3109	11/14/2021	24	2	46.72	Yes	18.41	-28.31
3110	11/14/2021	24	3	45.87	Yes	18.41	-27.46
3111	11/14/2021	24	4	46.33	Yes	18.41	-27.92
3112	11/14/2021	24	5	44.13	Yes	18.41	-25.72

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3113	11/14/2021	24	6	44.30	Yes	18.41	-25.89
3114	11/14/2021	24	7	43.08	Yes	18.41	-24.67
3115	11/14/2021	24	8	42.76	Yes	18.41	-24.35
3116	11/14/2021	24	9	43.66	Yes	18.41	-25.25
3117	11/14/2021	24	10	42.99	Yes	18.41	-24.58
3118	11/14/2021	24	11	42.31	Yes	18.41	-23.90
3119	11/14/2021	24	12	41.37	Yes	18.41	-22.96
3120	11/15/2021	1	1	45.41	Yes	18.41	-27.00
3121	11/15/2021	1	2	45.43	Yes	18.41	-27.02
3122	11/15/2021	1	3	45.41	Yes	18.41	-27.00
3123	11/15/2021	1	4	44.84	Yes	18.41	-26.43
3124	11/15/2021	1	5	44.84	Yes	18.41	-26.43
3125	11/15/2021	1	6	45.21	Yes	18.41	-26.80
3126	11/15/2021	1	7	41.44	Yes	18.41	-23.03
3127	11/15/2021	1	8	38.50	Yes	18.41	-20.09
3128	11/15/2021	1	9	37.97	Yes	18.41	-19.56
3129	11/15/2021	1	10	37.54	Yes	18.41	-19.13
3130	11/15/2021	1	11	37.01	Yes	18.41	-18.60
3131	11/15/2021	1	12	36.46	Yes	18.41	-18.05
3132	11/15/2021	2	1	42.89	Yes	18.41	-24.48
3133	11/15/2021	2	2	42.50	Yes	18.41	-24.09
3134	11/15/2021	2	3	41.82	Yes	18.41	-23.41
3135	11/15/2021	2	4	42.47	Yes	18.41	-24.06
3136	11/15/2021	2	5	44.66	Yes	18.41	-26.25
3137	11/15/2021	2	6	43.66	Yes	18.41	-25.25
3138	11/15/2021	2	7	42.92	Yes	18.41	-24.51
3139	11/15/2021	2	8	42.92	Yes	18.41	-24.51
3140	11/15/2021	2	9	42.68	Yes	18.41	-24.27
3141	11/15/2021	2	10	42.49	Yes	18.41	-24.08
3142	11/15/2021	2	11	42.49	Yes	18.41	-24.08
3143	11/15/2021	2	12	44.23	Yes	18.41	-25.82
3144	11/15/2021	3	1	44.96	Yes	18.41	-26.55
3145	11/15/2021	3	2	46.57	Yes	18.41	-28.16
3146	11/15/2021	3	3	46.54	Yes	18.41	-28.13
3147	11/15/2021	3	4	44.30	Yes	18.41	-25.89
3148	11/15/2021	3	5	43.61	Yes	18.41	-25.20
3149	11/15/2021	3	6	43.61	Yes	18.41	-25.20
3150	11/15/2021	3	7	43.07	Yes	18.41	-24.66

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3151	11/15/2021	3	8	43.36	Yes	18.41	-24.95
3152	11/15/2021	3	9	43.32	Yes	18.41	-24.91
3153	11/15/2021	3	10	42.86	Yes	18.41	-24.45
3154	11/15/2021	3	11	43.26	Yes	18.41	-24.85
3155	11/15/2021	3	12	43.48	Yes	18.41	-25.07
3156	11/15/2021	4	1	43.87	Yes	18.41	-25.46
3157	11/15/2021	4	2	43.83	Yes	18.41	-25.42
3158	11/15/2021	4	3	43.45	Yes	18.41	-25.04
3159	11/15/2021	4	4	45.27	Yes	18.41	-26.86
3160	11/15/2021	4	5	45.16	Yes	18.41	-26.75
3161	11/15/2021	4	6	44.97	Yes	18.41	-26.56
3162	11/15/2021	4	7	45.10	Yes	18.41	-26.69
3163	11/15/2021	4	8	44.91	Yes	18.41	-26.50
3164	11/15/2021	4	9	45.33	Yes	18.41	-26.92
3165	11/15/2021	4	10	45.11	Yes	18.41	-26.70
3166	11/15/2021	4	11	45.52	Yes	18.41	-27.11
3167	11/15/2021	4	12	46.09	Yes	18.41	-27.68
3168	11/15/2021	5	1	47.56	Yes	18.41	-29.15
3169	11/15/2021	5	2	51.79	Yes	18.41	-33.38
3170	11/15/2021	5	3	52.46	Yes	18.41	-34.05
3171	11/15/2021	5	4	49.59	Yes	18.41	-31.18
3172	11/15/2021	5	5	49.28	Yes	18.41	-30.87
3173	11/15/2021	5	6	49.35	Yes	18.41	-30.94
3174	11/15/2021	5	7	50.08	Yes	18.41	-31.67
3175	11/15/2021	5	8	49.64	Yes	18.41	-31.23
3176	11/15/2021	5	9	50.09	Yes	18.41	-31.68
3177	11/15/2021	5	10	51.81	Yes	18.41	-33.40
3178	11/15/2021	5	11	49.73	Yes	18.41	-31.32
3179	11/15/2021	5	12	50.67	Yes	18.41	-32.26
3180	11/15/2021	6	1	51.11	Yes	18.41	-32.70
3181	11/15/2021	6	2	51.08	Yes	18.41	-32.67
3182	11/15/2021	6	3	53.06	Yes	18.41	-34.65
3183	11/15/2021	6	4	53.40	Yes	18.41	-34.99
3184	11/15/2021	6	5	53.37	Yes	18.41	-34.96
3185	11/15/2021	6	6	53.83	Yes	18.41	-35.42
3186	11/15/2021	6	7	55.56	Yes	18.41	-37.15
3187	11/15/2021	6	8	56.03	Yes	18.41	-37.62
3188	11/15/2021	6	9	56.51	Yes	18.41	-38.10

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3189	11/15/2021	6	10	56.46	Yes	18.41	-38.05
3190	11/15/2021	6	11	58.99	Yes	18.41	-40.58
3191	11/15/2021	6	12	60.50	Yes	18.41	-42.09
3192	11/15/2021	7	1	58.10	Yes	18.41	-39.69
3193	11/15/2021	7	2	58.42	Yes	18.41	-40.01
3194	11/15/2021	7	3	58.96	Yes	18.41	-40.55
3195	11/15/2021	7	4	62.73	Yes	18.41	-44.32
3196	11/15/2021	7	5	65.45	Yes	18.41	-47.04
3197	11/15/2021	7	6	66.80	Yes	18.41	-48.39
3198	11/15/2021	7	7	67.20	Yes	18.41	-48.79
3199	11/15/2021	7	8	65.65	Yes	18.41	-47.24
3200	11/15/2021	7	9	62.10	Yes	18.41	-43.69
3201	11/15/2021	7	11	55.11	Yes	18.41	-36.70
3202	11/15/2021	7	12	55.11	Yes	18.41	-36.70
3203	11/15/2021	8	1	70.56	Yes	18.41	-52.15
3204	11/15/2021	8	2	72.15	Yes	18.41	-53.74
3205	11/15/2021	8	3	63.47	Yes	18.41	-45.06
3206	11/15/2021	8	4	58.80	Yes	18.41	-40.39
3207	11/15/2021	8	5	56.88	Yes	18.41	-38.47
3208	11/15/2021	8	6	56.12	Yes	18.41	-37.71
3209	11/15/2021	8	7	53.61	Yes	18.41	-35.20
3210	11/15/2021	8	8	53.08	Yes	18.41	-34.67
3211	11/15/2021	8	9	51.54	Yes	18.41	-33.13
3212	11/15/2021	8	10	46.62	Yes	18.41	-28.21
3213	11/15/2021	8	11	44.12	Yes	18.41	-25.71
3214	11/15/2021	8	12	39.96	Yes	18.41	-21.55
3215	11/15/2021	9	1	51.27	Yes	18.41	-32.86
3216	11/15/2021	9	2	48.51	Yes	18.41	-30.10
3217	11/15/2021	9	3	47.87	Yes	18.41	-29.46
3218	11/15/2021	9	4	47.70	Yes	18.41	-29.29
3219	11/15/2021	9	5	46.66	Yes	18.41	-28.25
3220	11/15/2021	9	6	46.38	Yes	18.41	-27.97
3221	11/15/2021	9	7	43.89	Yes	18.41	-25.48
3222	11/15/2021	9	8	45.86	Yes	18.41	-27.45
3223	11/15/2021	9	9	45.82	Yes	18.41	-27.41
3224	11/15/2021	9	10	45.37	Yes	18.41	-26.96
3225	11/15/2021	9	11	46.50	Yes	18.41	-28.09
3226	11/15/2021	9	12	44.89	Yes	18.41	-26.48



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3227	11/15/2021	10	1	50.07	Yes	18.41	-31.66
3228	11/15/2021	10	2	51.58	Yes	18.41	-33.17
3229	11/15/2021	10	3	50.51	Yes	18.41	-32.10
3230	11/15/2021	10	4	49.28	Yes	18.41	-30.87
3231	11/15/2021	10	5	51.34	Yes	18.41	-32.93
3232	11/15/2021	10	6	49.65	Yes	18.41	-31.24
3233	11/15/2021	10	7	52.57	Yes	18.41	-34.16
3234	11/15/2021	10	8	52.91	Yes	18.41	-34.50
3235	11/15/2021	10	9	52.67	Yes	18.41	-34.26
3236	11/15/2021	10	10	52.74	Yes	18.41	-34.33
3237	11/15/2021	10	11	50.42	Yes	18.41	-32.01
3238	11/15/2021	10	12	49.52	Yes	18.41	-31.11
3239	11/15/2021	11	10	46.53	Yes	18.41	-28.12
3240	11/15/2021	11	11	46.59	Yes	18.41	-28.18
3241	11/15/2021	11	12	45.96	Yes	18.41	-27.55
3242	11/15/2021	12	1	44.82	Yes	18.41	-26.41
3243	11/15/2021	12	2	42.86	Yes	18.41	-24.45
3244	11/15/2021	12	3	42.49	Yes	18.41	-24.08
3245	11/15/2021	12	4	44.31	Yes	18.41	-25.90
3246	11/15/2021	12	5	44.19	Yes	18.41	-25.78
3247	11/15/2021	12	6	44.40	Yes	18.41	-25.99
3248	11/15/2021	12	7	42.33	Yes	18.41	-23.92
3249	11/15/2021	12	8	41.22	Yes	18.41	-22.81
3250	11/15/2021	12	9	41.64	Yes	18.41	-23.23
3251	11/15/2021	12	10	41.66	Yes	18.41	-23.25
3252	11/15/2021	12	11	39.94	Yes	18.41	-21.53
3253	11/15/2021	12	12	39.60	Yes	18.41	-21.19
3254	11/15/2021	13	1	41.21	Yes	18.41	-22.80
3255	11/15/2021	13	2	38.08	Yes	18.41	-19.67
3256	11/15/2021	13	3	35.88	Yes	18.41	-17.47
3257	11/15/2021	13	4	40.30	Yes	18.41	-21.89
3258	11/15/2021	13	5	39.92	Yes	18.41	-21.51
3259	11/15/2021	13	6	34.45	Yes	18.41	-16.04
3260	11/15/2021	13	7	32.10	Yes	18.41	-13.69
3261	11/15/2021	13	8	36.11	Yes	18.41	-17.70
3262	11/15/2021	13	9	35.80	Yes	18.41	-17.39
3263	11/15/2021	13	10	36.14	Yes	18.41	-17.73
3264	11/15/2021	13	11	36.15	Yes	18.41	-17.74

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3265	11/15/2021	13	12	35.68	Yes	18.41	-17.27
3266	11/15/2021	14	1	36.46	Yes	18.41	-18.05
3267	11/15/2021	14	2	35.89	Yes	18.41	-17.48
3268	11/15/2021	14	3	34.57	Yes	18.41	-16.16
3269	11/15/2021	14	4	40.05	Yes	18.41	-21.64
3270	11/15/2021	14	5	37.73	Yes	18.41	-19.32
3271	11/15/2021	14	6	40.28	Yes	18.41	-21.87
3272	11/15/2021	14	7	41.80	Yes	18.41	-23.39
3273	11/15/2021	14	8	42.98	Yes	18.41	-24.57
3274	11/15/2021	14	9	40.10	Yes	18.41	-21.69
3275	11/15/2021	14	10	43.43	Yes	18.41	-25.02
3276	11/15/2021	14	11	40.64	Yes	18.41	-22.23
3277	11/15/2021	14	12	43.70	Yes	18.41	-25.29
3278	11/15/2021	15	1	44.56	Yes	18.41	-26.15
3279	11/15/2021	15	2	43.04	Yes	18.41	-24.63
3280	11/15/2021	15	3	43.27	Yes	18.41	-24.86
3281	11/15/2021	15	4	47.45	Yes	18.41	-29.04
3282	11/15/2021	15	5	49.85	Yes	18.41	-31.44
3283	11/15/2021	15	6	48.22	Yes	18.41	-29.81
3284	11/15/2021	15	7	50.66	Yes	18.41	-32.25
3285	11/15/2021	15	8	49.57	Yes	18.41	-31.16
3286	11/15/2021	15	9	53.70	Yes	18.41	-35.29
3287	11/15/2021	15	10	62.39	Yes	18.41	-43.98
3288	11/15/2021	15	11	69.07	Yes	18.41	-50.66
3289	11/15/2021	15	12	60.78	Yes	18.41	-42.37
3290	11/15/2021	16	1	44.61	Yes	18.41	-26.20
3291	11/15/2021	16	2	41.13	Yes	18.41	-22.72
3292	11/15/2021	16	3	41.75	Yes	18.41	-23.34
3293	11/15/2021	16	4	42.30	Yes	18.41	-23.89
3294	11/15/2021	16	5	41.93	Yes	18.41	-23.52
3295	11/15/2021	16	6	43.21	Yes	18.41	-24.80
3296	11/15/2021	16	7	42.78	Yes	18.41	-24.37
3297	11/15/2021	16	8	49.19	Yes	18.41	-30.78
3298	11/15/2021	16	9	57.42	Yes	18.41	-39.01
3299	11/15/2021	19	7	45.37	Yes	18.41	-26.96
3300	11/15/2021	19	8	45.01	Yes	18.41	-26.60
3301	11/15/2021	19	9	45.01	Yes	18.41	-26.60
3302	11/15/2021	19	10	45.07	Yes	18.41	-26.66

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3303	11/15/2021	19	11	45.07	Yes	18.41	-26.66
3304	11/15/2021	19	12	47.56	Yes	18.41	-29.15
3305	11/15/2021	20	1	52.95	Yes	18.41	-34.54
3306	11/15/2021	20	2	53.42	Yes	18.41	-35.01
3307	11/15/2021	20	3	56.63	Yes	18.41	-38.22
3308	11/15/2021	20	4	56.13	Yes	18.41	-37.72
3309	11/15/2021	20	5	54.04	Yes	18.41	-35.63
3310	11/15/2021	20	6	52.21	Yes	18.41	-33.80
3311	11/15/2021	20	7	52.15	Yes	18.41	-33.74
3312	11/15/2021	20	8	52.22	Yes	18.41	-33.81
3313	11/15/2021	20	9	52.03	Yes	18.41	-33.62
3314	11/15/2021	20	10	50.98	Yes	18.41	-32.57
3315	11/15/2021	20	11	51.24	Yes	18.41	-32.83
3316	11/15/2021	20	12	50.48	Yes	18.41	-32.07
3317	11/15/2021	21	1	50.77	Yes	18.41	-32.36
3318	11/15/2021	21	2	51.51	Yes	18.41	-33.10
3319	11/15/2021	21	3	50.70	Yes	18.41	-32.29
3320	11/15/2021	21	4	48.01	Yes	18.41	-29.60
3321	11/15/2021	21	5	50.74	Yes	18.41	-32.33
3322	11/15/2021	21	6	50.46	Yes	18.41	-32.05
3323	11/15/2021	21	7	48.26	Yes	18.41	-29.85
3324	11/15/2021	21	8	48.73	Yes	18.41	-30.32
3325	11/15/2021	21	9	48.73	Yes	18.41	-30.32
3326	11/15/2021	21	10	46.75	Yes	18.41	-28.34
3327	11/15/2021	21	11	47.62	Yes	18.41	-29.21
3328	11/15/2021	21	12	48.25	Yes	18.41	-29.84
3329	11/15/2021	22	1	49.26	Yes	18.41	-30.85
3330	11/15/2021	22	2	49.74	Yes	18.41	-31.33
3331	11/15/2021	22	3	51.02	Yes	18.41	-32.61
3332	11/15/2021	22	4	48.89	Yes	18.41	-30.48
3333	11/15/2021	22	5	48.11	Yes	18.41	-29.70
3334	11/15/2021	22	6	45.77	Yes	18.41	-27.36
3335	11/15/2021	22	7	44.90	Yes	18.41	-26.49
3336	11/15/2021	22	8	43.00	Yes	18.41	-24.59
3337	11/15/2021	22	9	42.69	Yes	18.41	-24.28
3338	11/15/2021	22	10	42.56	Yes	18.41	-24.15
3339	11/15/2021	22	11	41.45	Yes	18.41	-23.04
3340	11/15/2021	22	12	41.32	Yes	18.41	-22.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3341	11/15/2021	23	1	41.86	Yes	18.41	-23.45
3342	11/15/2021	23	2	41.75	Yes	18.41	-23.34
3343	11/15/2021	23	3	41.80	Yes	18.41	-23.39
3344	11/15/2021	23	4	41.15	Yes	18.41	-22.74
3345	11/15/2021	23	5	40.90	Yes	18.41	-22.49
3346	11/15/2021	23	6	40.90	Yes	18.41	-22.49
3347	11/15/2021	23	7	40.57	Yes	18.41	-22.16
3348	11/15/2021	23	8	41.75	Yes	18.41	-23.34
3349	11/15/2021	23	9	40.38	Yes	18.41	-21.97
3350	11/15/2021	23	10	40.15	Yes	18.41	-21.74
3351	11/15/2021	23	11	38.23	Yes	18.41	-19.82
3352	11/15/2021	23	12	38.34	Yes	18.41	-19.93
3353	11/15/2021	24	1	35.99	Yes	18.41	-17.58
3354	11/15/2021	24	2	35.95	Yes	18.41	-17.54
3355	11/15/2021	24	3	36.05	Yes	18.41	-17.64
3356	11/15/2021	24	4	36.07	Yes	18.41	-17.66
3357	11/15/2021	24	5	35.68	Yes	18.41	-17.27
3358	11/15/2021	24	6	35.65	Yes	18.41	-17.24
3359	11/15/2021	24	7	37.46	Yes	18.41	-19.05
3360	11/15/2021	24	8	37.47	Yes	18.41	-19.06
3361	11/15/2021	24	9	36.45	Yes	18.41	-18.04
3362	11/15/2021	24	10	38.05	Yes	18.41	-19.64
3363	11/15/2021	24	11	37.94	Yes	18.41	-19.53
3364	11/15/2021	24	12	36.93	Yes	18.41	-18.52
3365	11/16/2021	1	1	49.98	Yes	19.56	-30.42
3366	11/16/2021	1	2	52.37	Yes	19.56	-32.81
3367	11/16/2021	1	3	51.90	Yes	19.56	-32.34
3368	11/16/2021	1	4	51.95	Yes	19.56	-32.39
3369	11/16/2021	1	5	51.64	Yes	19.56	-32.08
3370	11/16/2021	1	6	52.59	Yes	19.56	-33.03
3371	11/16/2021	1	7	46.13	Yes	19.56	-26.57
3372	11/16/2021	1	8	44.84	Yes	19.56	-25.28
3373	11/16/2021	1	9	45.55	Yes	19.56	-25.99
3374	11/16/2021	1	10	44.59	Yes	19.56	-25.03
3375	11/16/2021	1	11	44.01	Yes	19.56	-24.45
3376	11/16/2021	1	12	42.29	Yes	19.56	-22.73
3377	11/16/2021	2	1	44.79	Yes	19.56	-25.23
3378	11/16/2021	2	2	44.03	Yes	19.56	-24.47

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3379	11/16/2021	2	3	44.66	Yes	19.56	-25.10
3380	11/16/2021	2	4	44.64	Yes	19.56	-25.08
3381	11/16/2021	2	5	44.64	Yes	19.56	-25.08
3382	11/16/2021	2	6	44.64	Yes	19.56	-25.08
3383	11/16/2021	2	7	44.40	Yes	19.56	-24.84
3384	11/16/2021	2	8	42.21	Yes	19.56	-22.65
3385	11/16/2021	2	9	42.98	Yes	19.56	-23.42
3386	11/16/2021	2	10	42.94	Yes	19.56	-23.38
3387	11/16/2021	2	11	42.94	Yes	19.56	-23.38
3388	11/16/2021	2	12	42.09	Yes	19.56	-22.53
3389	11/16/2021	3	1	43.91	Yes	19.56	-24.35
3390	11/16/2021	3	2	43.92	Yes	19.56	-24.36
3391	11/16/2021	3	3	44.06	Yes	19.56	-24.50
3392	11/16/2021	3	4	42.19	Yes	19.56	-22.63
3393	11/16/2021	3	5	41.63	Yes	19.56	-22.07
3394	11/16/2021	3	6	40.82	Yes	19.56	-21.26
3395	11/16/2021	3	7	40.51	Yes	19.56	-20.95
3396	11/16/2021	3	8	41.98	Yes	19.56	-22.42
3397	11/16/2021	3	9	40.40	Yes	19.56	-20.84
3398	11/16/2021	3	10	40.77	Yes	19.56	-21.21
3399	11/16/2021	3	11	39.84	Yes	19.56	-20.28
3400	11/16/2021	3	12	39.73	Yes	19.56	-20.17
3401	11/16/2021	4	1	40.19	Yes	19.56	-20.63
3402	11/16/2021	4	2	40.43	Yes	19.56	-20.87
3403	11/16/2021	4	3	40.43	Yes	19.56	-20.87
3404	11/16/2021	4	4	40.55	Yes	19.56	-20.99
3405	11/16/2021	4	5	40.85	Yes	19.56	-21.29
3406	11/16/2021	4	6	41.32	Yes	19.56	-21.76
3407	11/16/2021	4	7	41.43	Yes	19.56	-21.87
3408	11/16/2021	4	8	41.62	Yes	19.56	-22.06
3409	11/16/2021	4	9	41.80	Yes	19.56	-22.24
3410	11/16/2021	4	10	45.26	Yes	19.56	-25.70
3411	11/16/2021	4	11	45.00	Yes	19.56	-25.44
3412	11/16/2021	4	12	45.69	Yes	19.56	-26.13
3413	11/16/2021	5	1	41.38	Yes	19.56	-21.82
3414	11/16/2021	5	2	41.38	Yes	19.56	-21.82
3415	11/16/2021	5	3	41.50	Yes	19.56	-21.94
3416	11/16/2021	5	4	43.85	Yes	19.56	-24.29

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3417	11/16/2021	5	5	42.74	Yes	19.56	-23.18
3418	11/16/2021	5	6	43.99	Yes	19.56	-24.43
3419	11/16/2021	5	7	44.10	Yes	19.56	-24.54
3420	11/16/2021	5	8	44.48	Yes	19.56	-24.92
3421	11/16/2021	5	9	44.28	Yes	19.56	-24.72
3422	11/16/2021	5	10	44.95	Yes	19.56	-25.39
3423	11/16/2021	5	11	44.95	Yes	19.56	-25.39
3424	11/16/2021	5	12	44.62	Yes	19.56	-25.06
3425	11/16/2021	6	1	46.17	Yes	19.56	-26.61
3426	11/16/2021	6	2	46.08	Yes	19.56	-26.52
3427	11/16/2021	6	3	49.63	Yes	19.56	-30.07
3428	11/16/2021	6	4	53.96	Yes	19.56	-34.40
3429	11/16/2021	6	5	51.49	Yes	19.56	-31.93
3430	11/16/2021	6	6	53.93	Yes	19.56	-34.37
3431	11/16/2021	6	7	56.23	Yes	19.56	-36.67
3432	11/16/2021	6	8	56.50	Yes	19.56	-36.94
3433	11/16/2021	6	9	60.90	Yes	19.56	-41.34
3434	11/16/2021	6	10	63.03	Yes	19.56	-43.47
3435	11/16/2021	6	11	64.86	Yes	19.56	-45.30
3436	11/16/2021	6	12	68.45	Yes	19.56	-48.89
3437	11/16/2021	7	1	63.29	Yes	19.56	-43.73
3438	11/16/2021	7	2	70.36	Yes	19.56	-50.80
3439	11/16/2021	7	3	105.97	Yes	19.56	-86.41
3440	11/16/2021	7	4	71.37	Yes	19.56	-51.81
3441	11/16/2021	7	5	71.58	Yes	19.56	-52.02
3442	11/16/2021	7	6	77.89	Yes	19.56	-58.33
3443	11/16/2021	7	7	280.49	Yes	19.56	-260.93
3444	11/16/2021	7	8	220.84	Yes	19.56	-201.28
3445	11/16/2021	7	9	121.79	Yes	19.56	-102.23
3446	11/16/2021	7	10	96.04	Yes	19.56	-76.48
3447	11/16/2021	7	11	469.30	Yes	19.56	-449.74
3448	11/16/2021	7	12	113.16	Yes	19.56	-93.60
3449	11/16/2021	8	1	880.33	Yes	19.56	-860.77
3450	11/16/2021	8	2	883.14	Yes	19.56	-863.58
3451	11/16/2021	8	3	883.14	Yes	19.56	-863.58
3452	11/16/2021	8	4	888.53	Yes	19.56	-868.97
3453	11/16/2021	8	5	882.44	Yes	19.56	-862.88
3454	11/16/2021	8	6	890.50	Yes	19.56	-870.94

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3455	11/16/2021	8	7	884.40	Yes	19.56	-864.84
3456	11/16/2021	8	8	515.36	Yes	19.56	-495.80
3457	11/16/2021	8	9	790.04	Yes	19.56	-770.48
3458	11/16/2021	8	10	753.82	Yes	19.56	-734.26
3459	11/16/2021	8	11	770.59	Yes	19.56	-751.03
3460	11/16/2021	8	12	810.33	Yes	19.56	-790.77
3461	11/16/2021	9	1	115.89	Yes	19.56	-96.33
3462	11/16/2021	9	2	79.55	Yes	19.56	-59.99
3463	11/16/2021	9	3	66.24	Yes	19.56	-46.68
3464	11/16/2021	9	4	63.39	Yes	19.56	-43.83
3465	11/16/2021	9	5	64.29	Yes	19.56	-44.73
3466	11/16/2021	9	6	57.14	Yes	19.56	-37.58
3467	11/16/2021	9	7	52.19	Yes	19.56	-32.63
3468	11/16/2021	9	8	47.74	Yes	19.56	-28.18
3469	11/16/2021	9	9	47.08	Yes	19.56	-27.52
3470	11/16/2021	9	10	47.00	Yes	19.56	-27.44
3471	11/16/2021	9	11	47.63	Yes	19.56	-28.07
3472	11/16/2021	9	12	47.00	Yes	19.56	-27.44
3473	11/16/2021	10	1	49.44	Yes	19.56	-29.88
3474	11/16/2021	10	2	52.39	Yes	19.56	-32.83
3475	11/16/2021	10	3	51.04	Yes	19.56	-31.48
3476	11/16/2021	10	4	50.67	Yes	19.56	-31.11
3477	11/16/2021	10	5	50.89	Yes	19.56	-31.33
3478	11/16/2021	10	6	53.34	Yes	19.56	-33.78
3479	11/16/2021	10	7	60.29	Yes	19.56	-40.73
3480	11/16/2021	10	8	69.99	Yes	19.56	-50.43
3481	11/16/2021	10	9	59.88	Yes	19.56	-40.32
3482	11/16/2021	10	10	52.32	Yes	19.56	-32.76
3483	11/16/2021	10	11	48.66	Yes	19.56	-29.10
3484	11/16/2021	10	12	45.37	Yes	19.56	-25.81
3485	11/16/2021	11	1	46.97	Yes	19.56	-27.41
3486	11/16/2021	11	2	47.03	Yes	19.56	-27.47
3487	11/16/2021	11	3	45.93	Yes	19.56	-26.37
3488	11/16/2021	11	4	45.63	Yes	19.56	-26.07
3489	11/16/2021	11	5	45.69	Yes	19.56	-26.13
3490	11/16/2021	11	6	44.38	Yes	19.56	-24.82
3491	11/16/2021	11	7	42.73	Yes	19.56	-23.17
3492	11/16/2021	11	8	36.27	Yes	19.56	-16.71

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3493	11/16/2021	11	9	20.71	Yes	19.56	-1.15
3494	11/16/2021	11	10	27.32	Yes	19.56	-7.76
3495	11/16/2021	11	11	38.34	Yes	19.56	-18.78
3496	11/16/2021	11	12	41.42	Yes	19.56	-21.86
3497	11/16/2021	12	1	46.34	Yes	19.56	-26.78
3498	11/16/2021	12	2	46.34	Yes	19.56	-26.78
3499	11/16/2021	12	3	47.45	Yes	19.56	-27.89
3500	11/16/2021	12	4	40.33	Yes	19.56	-20.77
3501	11/16/2021	12	5	35.11	Yes	19.56	-15.55
3502	11/16/2021	12	6	35.62	Yes	19.56	-16.06
3503	11/16/2021	12	7	34.33	Yes	19.56	-14.77
3504	11/16/2021	12	8	41.21	Yes	19.56	-21.65
3505	11/16/2021	12	9	45.65	Yes	19.56	-26.09
3506	11/16/2021	12	10	41.52	Yes	19.56	-21.96
3507	11/16/2021	12	11	41.78	Yes	19.56	-22.22
3508	11/16/2021	12	12	41.71	Yes	19.56	-22.15
3509	11/16/2021	13	1	43.05	Yes	19.56	-23.49
3510	11/16/2021	13	2	42.61	Yes	19.56	-23.05
3511	11/16/2021	13	3	43.45	Yes	19.56	-23.89
3512	11/16/2021	13	4	38.52	Yes	19.56	-18.96
3513	11/16/2021	13	5	41.38	Yes	19.56	-21.82
3514	11/16/2021	13	6	30.08	Yes	19.56	-10.52
3515	11/16/2021	13	7	27.18	Yes	19.56	-7.62
3516	11/16/2021	13	8	27.74	Yes	19.56	-8.18
3517	11/16/2021	13	9	30.27	Yes	19.56	-10.71
3518	11/16/2021	13	10	31.02	Yes	19.56	-11.46
3519	11/16/2021	13	11	30.09	Yes	19.56	-10.53
3520	11/16/2021	13	12	31.32	Yes	19.56	-11.76
3521	11/16/2021	14	1	27.51	Yes	19.56	-7.95
3522	11/16/2021	14	2	20.23	Yes	19.56	-0.67
3523	11/16/2021	14	3	27.43	Yes	19.56	-7.87
3524	11/16/2021	14	4	30.70	Yes	19.56	-11.14
3525	11/16/2021	14	5	22.46	Yes	19.56	-2.90
3526	11/16/2021	14	6	22.46	Yes	19.56	-2.90
3527	11/16/2021	14	7	22.38	Yes	19.56	-2.82
3528	11/16/2021	14	8	20.04	Yes	19.56	-0.48
3529	11/16/2021	14	9	20.08	Yes	19.56	-0.52
3530	11/16/2021	14	10	19.26	Yes	19.56	0.30



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3531	11/16/2021	14	11	14.88	Yes	19.56	4.68
3532	11/16/2021	14	12	0.01	Yes	19.56	19.55
3533	11/16/2021	15	1	0.01	Yes	19.56	19.55
3534	11/16/2021	15	2	0.01	Yes	19.56	19.55
3535	11/16/2021	15	3	21.58	Yes	19.56	-2.02
3536	11/16/2021	15	4	21.62	Yes	19.56	-2.06
3537	11/16/2021	15	5	19.62	Yes	19.56	-0.06
3538	11/16/2021	15	6	27.42	Yes	19.56	-7.86
3539	11/16/2021	15	7	19.10	Yes	19.56	0.46
3540	11/16/2021	15	8	25.37	Yes	19.56	-5.81
3541	11/16/2021	15	9	26.01	Yes	19.56	-6.45
3542	11/16/2021	15	10	26.82	Yes	19.56	-7.26
3543	11/16/2021	15	11	27.38	Yes	19.56	-7.82
3544	11/16/2021	15	12	26.82	Yes	19.56	-7.26
3545	11/16/2021	16	1	14.22	Yes	19.56	5.34
3546	11/16/2021	16	2	12.85	Yes	19.56	6.71
3547	11/16/2021	16	3	25.20	Yes	19.56	-5.64
3548	11/16/2021	16	4	31.65	Yes	19.56	-12.09
3549	11/16/2021	16	5	38.00	Yes	19.56	-18.44
3550	11/16/2021	16	6	42.27	Yes	19.56	-22.71
3551	11/16/2021	16	7	46.86	Yes	19.56	-27.30
3552	11/16/2021	16	8	49.59	Yes	19.56	-30.03
3553	11/16/2021	16	9	51.32	Yes	19.56	-31.76
3554	11/16/2021	16	10	57.75	Yes	19.56	-38.19
3555	11/16/2021	16	11	63.45	Yes	19.56	-43.89
3556	11/16/2021	16	12	63.96	Yes	19.56	-44.40
3557	11/16/2021	17	1	41.58	Yes	19.56	-22.02
3558	11/16/2021	17	2	42.33	Yes	19.56	-22.77
3559	11/16/2021	17	3	43.56	Yes	19.56	-24.00
3560	11/16/2021	17	4	45.55	Yes	19.56	-25.99
3561	11/16/2021	17	5	45.56	Yes	19.56	-26.00
3562	11/16/2021	17	6	46.24	Yes	19.56	-26.68
3563	11/16/2021	17	7	48.22	Yes	19.56	-28.66
3564	11/16/2021	17	8	48.96	Yes	19.56	-29.40
3565	11/16/2021	17	9	50.16	Yes	19.56	-30.60
3566	11/16/2021	17	10	50.74	Yes	19.56	-31.18
3567	11/16/2021	17	11	51.48	Yes	19.56	-31.92
3568	11/16/2021	17	12	51.37	Yes	19.56	-31.81

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3569	11/16/2021	18	1	49.16	Yes	19.56	-29.60
3570	11/16/2021	18	2	49.17	Yes	19.56	-29.61
3571	11/16/2021	18	3	50.87	Yes	19.56	-31.31
3572	11/16/2021	18	4	50.40	Yes	19.56	-30.84
3573	11/16/2021	18	5	50.40	Yes	19.56	-30.84
3574	11/16/2021	18	6	51.29	Yes	19.56	-31.73
3575	11/16/2021	18	7	52.06	Yes	19.56	-32.50
3576	11/16/2021	18	8	53.70	Yes	19.56	-34.14
3577	11/16/2021	18	9	53.75	Yes	19.56	-34.19
3578	11/16/2021	18	10	51.63	Yes	19.56	-32.07
3579	11/16/2021	18	11	52.46	Yes	19.56	-32.90
3580	11/16/2021	18	12	53.19	Yes	19.56	-33.63
3581	11/16/2021	19	1	55.59	Yes	19.56	-36.03
3582	11/16/2021	19	2	55.59	Yes	19.56	-36.03
3583	11/16/2021	19	3	55.80	Yes	19.56	-36.24
3584	11/16/2021	19	4	55.01	Yes	19.56	-35.45
3585	11/16/2021	19	5	54.74	Yes	19.56	-35.18
3586	11/16/2021	19	6	53.09	Yes	19.56	-33.53
3587	11/16/2021	19	7	52.45	Yes	19.56	-32.89
3588	11/16/2021	19	8	53.34	Yes	19.56	-33.78
3589	11/16/2021	19	9	53.34	Yes	19.56	-33.78
3590	11/16/2021	19	10	52.82	Yes	19.56	-33.26
3591	11/16/2021	19	11	52.82	Yes	19.56	-33.26
3592	11/16/2021	19	12	52.01	Yes	19.56	-32.45
3593	11/16/2021	20	1	52.61	Yes	19.56	-33.05
3594	11/16/2021	20	2	52.33	Yes	19.56	-32.77
3595	11/16/2021	20	3	52.02	Yes	19.56	-32.46
3596	11/16/2021	20	4	50.98	Yes	19.56	-31.42
3597	11/16/2021	20	5	51.60	Yes	19.56	-32.04
3598	11/16/2021	20	6	51.44	Yes	19.56	-31.88
3599	11/16/2021	20	7	51.54	Yes	19.56	-31.98
3600	11/16/2021	20	8	52.56	Yes	19.56	-33.00
3601	11/16/2021	20	9	52.62	Yes	19.56	-33.06
3602	11/16/2021	20	10	53.28	Yes	19.56	-33.72
3603	11/16/2021	20	11	53.53	Yes	19.56	-33.97
3604	11/16/2021	20	12	55.15	Yes	19.56	-35.59
3605	11/16/2021	21	1	60.60	Yes	19.56	-41.04
3606	11/16/2021	21	2	58.15	Yes	19.56	-38.59

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3607	11/16/2021	21	3	57.60	Yes	19.56	-38.04
3608	11/16/2021	21	4	57.31	Yes	19.56	-37.75
3609	11/16/2021	21	5	58.05	Yes	19.56	-38.49
3610	11/16/2021	21	6	57.54	Yes	19.56	-37.98
3611	11/16/2021	21	7	57.61	Yes	19.56	-38.05
3612	11/16/2021	21	8	57.45	Yes	19.56	-37.89
3613	11/16/2021	21	9	55.67	Yes	19.56	-36.11
3614	11/16/2021	21	10	53.73	Yes	19.56	-34.17
3615	11/16/2021	21	11	56.53	Yes	19.56	-36.97
3616	11/16/2021	21	12	56.53	Yes	19.56	-36.97
3617	11/16/2021	22	1	65.00	Yes	19.56	-45.44
3618	11/16/2021	22	2	65.02	Yes	19.56	-45.46
3619	11/16/2021	22	3	66.85	Yes	19.56	-47.29
3620	11/16/2021	22	4	66.68	Yes	19.56	-47.12
3621	11/16/2021	22	5	65.37	Yes	19.56	-45.81
3622	11/16/2021	22	6	63.62	Yes	19.56	-44.06
3623	11/16/2021	22	7	59.79	Yes	19.56	-40.23
3624	11/16/2021	22	8	57.00	Yes	19.56	-37.44
3625	11/16/2021	22	9	54.84	Yes	19.56	-35.28
3626	11/16/2021	22	10	53.87	Yes	19.56	-34.31
3627	11/16/2021	22	11	50.57	Yes	19.56	-31.01
3628	11/16/2021	22	12	52.23	Yes	19.56	-32.67
3629	11/16/2021	23	1	57.88	Yes	19.56	-38.32
3630	11/16/2021	23	2	63.87	Yes	19.56	-44.31
3631	11/16/2021	23	3	57.82	Yes	19.56	-38.26
3632	11/16/2021	23	4	57.39	Yes	19.56	-37.83
3633	11/16/2021	23	5	57.20	Yes	19.56	-37.64
3634	11/16/2021	23	6	56.04	Yes	19.56	-36.48
3635	11/16/2021	23	7	53.39	Yes	19.56	-33.83
3636	11/16/2021	23	8	51.03	Yes	19.56	-31.47
3637	11/16/2021	23	9	49.87	Yes	19.56	-30.31
3638	11/16/2021	23	10	50.12	Yes	19.56	-30.56
3639	11/16/2021	23	11	49.10	Yes	19.56	-29.54
3640	11/16/2021	23	12	48.62	Yes	19.56	-29.06
3641	11/16/2021	24	1	66.22	Yes	19.56	-46.66
3642	11/16/2021	24	2	64.10	Yes	19.56	-44.54
3643	11/16/2021	24	3	58.38	Yes	19.56	-38.82
3644	11/16/2021	24	4	57.13	Yes	19.56	-37.57

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3645	11/16/2021	24	5	56.29	Yes	19.56	-36.73
3646	11/16/2021	24	6	54.03	Yes	19.56	-34.47
3647	11/16/2021	24	7	55.92	Yes	19.56	-36.36
3648	11/16/2021	24	8	54.21	Yes	19.56	-34.65
3649	11/16/2021	24	9	55.08	Yes	19.56	-35.52
3650	11/16/2021	24	10	55.90	Yes	19.56	-36.34
3651	11/16/2021	24	11	55.90	Yes	19.56	-36.34
3652	11/16/2021	24	12	55.90	Yes	19.56	-36.34
3653	11/17/2021	1	1	51.22	Yes	19.74	-31.48
3654	11/17/2021	1	2	54.93	Yes	19.74	-35.19
3655	11/17/2021	1	3	56.48	Yes	19.74	-36.74
3656	11/17/2021	1	4	51.25	Yes	19.74	-31.51
3657	11/17/2021	1	5	58.11	Yes	19.74	-38.37
3658	11/17/2021	1	6	52.01	Yes	19.74	-32.27
3659	11/17/2021	1	7	46.87	Yes	19.74	-27.13
3660	11/17/2021	1	8	46.87	Yes	19.74	-27.13
3661	11/17/2021	1	9	46.76	Yes	19.74	-27.02
3662	11/17/2021	1	10	62.97	Yes	19.74	-43.23
3663	11/17/2021	1	11	62.97	Yes	19.74	-43.23
3664	11/17/2021	1	12	62.97	Yes	19.74	-43.23
3665	11/17/2021	2	1	43.97	Yes	19.74	-24.23
3666	11/17/2021	2	2	45.34	Yes	19.74	-25.60
3667	11/17/2021	2	3	46.90	Yes	19.74	-27.16
3668	11/17/2021	2	4	48.49	Yes	19.74	-28.75
3669	11/17/2021	2	5	49.26	Yes	19.74	-29.52
3670	11/17/2021	2	6	47.06	Yes	19.74	-27.32
3671	11/17/2021	2	7	46.23	Yes	19.74	-26.49
3672	11/17/2021	2	8	46.75	Yes	19.74	-27.01
3673	11/17/2021	2	9	46.61	Yes	19.74	-26.87
3674	11/17/2021	2	10	46.13	Yes	19.74	-26.39
3675	11/17/2021	2	11	45.38	Yes	19.74	-25.64
3676	11/17/2021	2	12	45.35	Yes	19.74	-25.61
3677	11/17/2021	3	1	47.11	Yes	19.74	-27.37
3678	11/17/2021	3	2	47.56	Yes	19.74	-27.82
3679	11/17/2021	3	3	47.19	Yes	19.74	-27.45
3680	11/17/2021	3	4	47.30	Yes	19.74	-27.56
3681	11/17/2021	3	5	47.30	Yes	19.74	-27.56
3682	11/17/2021	3	6	47.30	Yes	19.74	-27.56

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3683	11/17/2021	3	7	47.48	Yes	19.74	-27.74
3684	11/17/2021	3	8	47.48	Yes	19.74	-27.74
3685	11/17/2021	3	9	47.48	Yes	19.74	-27.74
3686	11/17/2021	3	10	47.49	Yes	19.74	-27.75
3687	11/17/2021	3	11	47.49	Yes	19.74	-27.75
3688	11/17/2021	3	12	47.49	Yes	19.74	-27.75
3689	11/17/2021	4	1	47.10	Yes	19.74	-27.36
3690	11/17/2021	4	2	47.35	Yes	19.74	-27.61
3691	11/17/2021	4	3	47.39	Yes	19.74	-27.65
3692	11/17/2021	4	4	46.72	Yes	19.74	-26.98
3693	11/17/2021	4	5	47.53	Yes	19.74	-27.79
3694	11/17/2021	4	6	47.34	Yes	19.74	-27.60
3695	11/17/2021	4	7	52.02	Yes	19.74	-32.28
3696	11/17/2021	4	8	52.07	Yes	19.74	-32.33
3697	11/17/2021	4	9	52.37	Yes	19.74	-32.63
3698	11/17/2021	4	10	52.56	Yes	19.74	-32.82
3699	11/17/2021	4	11	52.37	Yes	19.74	-32.63
3700	11/17/2021	4	12	54.22	Yes	19.74	-34.48
3701	11/17/2021	5	1	54.72	Yes	19.74	-34.98
3702	11/17/2021	5	2	54.97	Yes	19.74	-35.23
3703	11/17/2021	5	3	57.20	Yes	19.74	-37.46
3704	11/17/2021	5	4	54.72	Yes	19.74	-34.98
3705	11/17/2021	5	5	57.41	Yes	19.74	-37.67
3706	11/17/2021	5	6	57.41	Yes	19.74	-37.67
3707	11/17/2021	5	7	59.23	Yes	19.74	-39.49
3708	11/17/2021	5	8	60.41	Yes	19.74	-40.67
3709	11/17/2021	5	9	60.64	Yes	19.74	-40.90
3710	11/17/2021	5	10	62.37	Yes	19.74	-42.63
3711	11/17/2021	5	11	63.49	Yes	19.74	-43.75
3712	11/17/2021	5	12	60.13	Yes	19.74	-40.39
3713	11/17/2021	6	1	58.09	Yes	19.74	-38.35
3714	11/17/2021	6	2	54.97	Yes	19.74	-35.23
3715	11/17/2021	6	3	54.72	Yes	19.74	-34.98
3716	11/17/2021	6	4	54.21	Yes	19.74	-34.47
3717	11/17/2021	6	5	54.97	Yes	19.74	-35.23
3718	11/17/2021	6	6	54.72	Yes	19.74	-34.98
3719	11/17/2021	6	7	55.85	Yes	19.74	-36.11
3720	11/17/2021	6	8	64.57	Yes	19.74	-44.83

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3721	11/17/2021	6	9	64.57	Yes	19.74	-44.83
3722	11/17/2021	6	10	66.28	Yes	19.74	-46.54
3723	11/17/2021	6	11	68.42	Yes	19.74	-48.68
3724	11/17/2021	6	12	69.52	Yes	19.74	-49.78
3725	11/17/2021	7	1	54.97	Yes	19.74	-35.23
3726	11/17/2021	7	2	58.75	Yes	19.74	-39.01
3727	11/17/2021	7	3	62.97	Yes	19.74	-43.23
3728	11/17/2021	7	4	64.57	Yes	19.74	-44.83
3729	11/17/2021	7	5	66.12	Yes	19.74	-46.38
3730	11/17/2021	7	6	65.89	Yes	19.74	-46.15
3731	11/17/2021	7	7	68.85	Yes	19.74	-49.11
3732	11/17/2021	7	8	75.52	Yes	19.74	-55.78
3733	11/17/2021	7	9	73.37	Yes	19.74	-53.63
3734	11/17/2021	7	10	71.77	Yes	19.74	-52.03
3735	11/17/2021	7	11	71.77	Yes	19.74	-52.03
3736	11/17/2021	7	12	70.40	Yes	19.74	-50.66
3737	11/17/2021	8	1	82.78	Yes	19.74	-63.04
3738	11/17/2021	8	2	85.37	Yes	19.74	-65.63
3739	11/17/2021	8	5	68.35	Yes	19.74	-48.61
3740	11/17/2021	8	6	57.72	Yes	19.74	-37.98
3741	11/17/2021	8	7	55.98	Yes	19.74	-36.24
3742	11/17/2021	8	8	54.09	Yes	19.74	-34.35
3743	11/17/2021	8	9	51.85	Yes	19.74	-32.11
3744	11/17/2021	8	10	50.42	Yes	19.74	-30.68
3745	11/17/2021	8	11	51.24	Yes	19.74	-31.50
3746	11/17/2021	8	12	51.32	Yes	19.74	-31.58
3747	11/17/2021	9	1	55.00	Yes	19.74	-35.26
3748	11/17/2021	9	2	57.24	Yes	19.74	-37.50
3749	11/17/2021	9	3	57.47	Yes	19.74	-37.73
3750	11/17/2021	9	4	57.30	Yes	19.74	-37.56
3751	11/17/2021	9	5	55.63	Yes	19.74	-35.89
3752	11/17/2021	9	6	52.15	Yes	19.74	-32.41
3753	11/17/2021	9	7	57.07	Yes	19.74	-37.33
3754	11/17/2021	9	8	52.62	Yes	19.74	-32.88
3755	11/17/2021	9	9	50.97	Yes	19.74	-31.23
3756	11/17/2021	9	10	48.37	Yes	19.74	-28.63
3757	11/17/2021	9	11	47.96	Yes	19.74	-28.22
3758	11/17/2021	9	12	50.85	Yes	19.74	-31.11

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3759	11/17/2021	10	1	51.20	Yes	19.74	-31.46
3760	11/17/2021	10	2	51.61	Yes	19.74	-31.87
3761	11/17/2021	10	3	51.69	Yes	19.74	-31.95
3762	11/17/2021	10	4	51.78	Yes	19.74	-32.04
3763	11/17/2021	10	5	52.58	Yes	19.74	-32.84
3764	11/17/2021	10	6	52.42	Yes	19.74	-32.68
3765	11/17/2021	10	7	52.41	Yes	19.74	-32.67
3766	11/17/2021	10	8	55.17	Yes	19.74	-35.43
3767	11/17/2021	10	9	54.84	Yes	19.74	-35.10
3768	11/17/2021	10	10	50.73	Yes	19.74	-30.99
3769	11/17/2021	10	11	50.86	Yes	19.74	-31.12
3770	11/17/2021	10	12	49.27	Yes	19.74	-29.53
3771	11/17/2021	11	1	50.23	Yes	19.74	-30.49
3772	11/17/2021	11	2	49.55	Yes	19.74	-29.81
3773	11/17/2021	11	3	52.19	Yes	19.74	-32.45
3774	11/17/2021	11	4	49.61	Yes	19.74	-29.87
3775	11/17/2021	11	5	49.55	Yes	19.74	-29.81
3776	11/17/2021	11	6	49.85	Yes	19.74	-30.11
3777	11/17/2021	11	7	49.23	Yes	19.74	-29.49
3778	11/17/2021	11	8	48.67	Yes	19.74	-28.93
3779	11/17/2021	11	9	49.27	Yes	19.74	-29.53
3780	11/17/2021	11	10	50.48	Yes	19.74	-30.74
3781	11/17/2021	11	11	49.61	Yes	19.74	-29.87
3782	11/17/2021	11	12	47.55	Yes	19.74	-27.81
3783	11/17/2021	12	1	49.30	Yes	19.74	-29.56
3784	11/17/2021	12	2	46.64	Yes	19.74	-26.90
3785	11/17/2021	12	3	48.62	Yes	19.74	-28.88
3786	11/17/2021	12	4	44.90	Yes	19.74	-25.16
3787	11/17/2021	12	5	44.90	Yes	19.74	-25.16
3788	11/17/2021	12	6	41.74	Yes	19.74	-22.00
3789	11/17/2021	12	7	42.94	Yes	19.74	-23.20
3790	11/17/2021	12	8	43.14	Yes	19.74	-23.40
3791	11/17/2021	12	9	34.88	Yes	19.74	-15.14
3792	11/17/2021	12	10	41.40	Yes	19.74	-21.66
3793	11/17/2021	12	11	35.42	Yes	19.74	-15.68
3794	11/17/2021	12	12	32.82	Yes	19.74	-13.08
3795	11/17/2021	13	1	31.13	Yes	19.74	-11.39
3796	11/17/2021	13	2	26.72	Yes	19.74	-6.98

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3797	11/17/2021	13	3	26.72	Yes	19.74	-6.98
3798	11/17/2021	13	4	22.61	Yes	19.74	-2.87
3799	11/17/2021	13	5	36.84	Yes	19.74	-17.10
3800	11/17/2021	13	6	31.08	Yes	19.74	-11.34
3801	11/17/2021	13	7	23.11	Yes	19.74	-3.37
3802	11/17/2021	13	8	19.35	Yes	19.74	0.39
3803	11/17/2021	13	9	21.19	Yes	19.74	-1.45
3804	11/17/2021	13	10	29.07	Yes	19.74	-9.33
3805	11/17/2021	13	11	28.64	Yes	19.74	-8.90
3806	11/17/2021	13	12	25.42	Yes	19.74	-5.68
3807	11/17/2021	14	1	-0.01	Yes	19.74	19.75
3808	11/17/2021	14	2	-0.01	Yes	19.74	19.75
3809	11/17/2021	14	3	-0.01	Yes	19.74	19.75
3810	11/17/2021	14	4	-0.01	Yes	19.74	19.75
3811	11/17/2021	14	5	-0.01	Yes	19.74	19.75
3812	11/17/2021	14	6	0.00	Yes	19.74	19.74
3813	11/17/2021	14	7	-0.01	Yes	19.74	19.75
3814	11/17/2021	14	8	-0.01	Yes	19.74	19.75
3815	11/17/2021	14	9	0.01	Yes	19.74	19.73
3816	11/17/2021	14	10	13.91	Yes	19.74	5.83
3817	11/17/2021	14	11	19.74	Yes	19.74	0.00
3818	11/17/2021	14	12	12.73	Yes	19.74	7.01
3819	11/17/2021	15	1	5.57	Yes	19.74	14.17
3820	11/17/2021	15	2	10.18	Yes	19.74	9.56
3821	11/17/2021	15	3	8.78	Yes	19.74	10.96
3822	11/17/2021	15	4	12.96	Yes	19.74	6.78
3823	11/17/2021	15	5	20.66	Yes	19.74	-0.92
3824	11/17/2021	15	6	20.66	Yes	19.74	-0.92
3825	11/17/2021	15	7	20.68	Yes	19.74	-0.94
3826	11/17/2021	15	8	30.32	Yes	19.74	-10.58
3827	11/17/2021	15	9	43.56	Yes	19.74	-23.82
3828	11/17/2021	15	10	42.91	Yes	19.74	-23.17
3829	11/17/2021	15	11	43.58	Yes	19.74	-23.84
3830	11/17/2021	15	12	44.54	Yes	19.74	-24.80
3831	11/17/2021	16	1	30.12	Yes	19.74	-10.38
3832	11/17/2021	16	2	34.40	Yes	19.74	-14.66
3833	11/17/2021	16	3	39.34	Yes	19.74	-19.60
3834	11/17/2021	16	4	43.15	Yes	19.74	-23.41



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3835	11/17/2021	16	5	46.65	Yes	19.74	-26.91
3836	11/17/2021	16	6	48.98	Yes	19.74	-29.24
3837	11/17/2021	16	7	50.91	Yes	19.74	-31.17
3838	11/17/2021	16	8	53.22	Yes	19.74	-33.48
3839	11/17/2021	16	9	56.80	Yes	19.74	-37.06
3840	11/17/2021	16	10	65.27	Yes	19.74	-45.53
3841	11/17/2021	16	11	69.61	Yes	19.74	-49.87
3842	11/17/2021	16	12	92.36	Yes	19.74	-72.62
3843	11/17/2021	17	1	49.99	Yes	19.74	-30.25
3844	11/17/2021	17	2	50.08	Yes	19.74	-30.34
3845	11/17/2021	17	3	49.83	Yes	19.74	-30.09
3846	11/17/2021	17	4	50.66	Yes	19.74	-30.92
3847	11/17/2021	17	5	52.65	Yes	19.74	-32.91
3848	11/17/2021	17	6	53.03	Yes	19.74	-33.29
3849	11/17/2021	17	7	58.24	Yes	19.74	-38.50
3850	11/17/2021	17	8	60.41	Yes	19.74	-40.67
3851	11/17/2021	17	9	60.41	Yes	19.74	-40.67
3852	11/17/2021	17	10	67.16	Yes	19.74	-47.42
3853	11/17/2021	17	11	69.01	Yes	19.74	-49.27
3854	11/17/2021	17	12	64.70	Yes	19.74	-44.96
3855	11/17/2021	18	1	57.99	Yes	19.74	-38.25
3856	11/17/2021	18	2	57.28	Yes	19.74	-37.54
3857	11/17/2021	18	3	57.69	Yes	19.74	-37.95
3858	11/17/2021	18	4	58.37	Yes	19.74	-38.63
3859	11/17/2021	18	5	58.50	Yes	19.74	-38.76
3860	11/17/2021	18	6	59.74	Yes	19.74	-40.00
3861	11/17/2021	18	7	59.71	Yes	19.74	-39.97
3862	11/17/2021	18	9	58.22	Yes	19.74	-38.48
3863	11/17/2021	18	10	58.27	Yes	19.74	-38.53
3864	11/17/2021	18	11	57.09	Yes	19.74	-37.35
3865	11/17/2021	18	12	57.14	Yes	19.74	-37.40
3866	11/17/2021	19	1	58.18	Yes	19.74	-38.44
3867	11/17/2021	19	2	58.50	Yes	19.74	-38.76
3868	11/17/2021	19	3	58.15	Yes	19.74	-38.41
3869	11/17/2021	19	4	58.26	Yes	19.74	-38.52
3870	11/17/2021	19	5	58.22	Yes	19.74	-38.48
3871	11/17/2021	19	6	58.61	Yes	19.74	-38.87
3872	11/17/2021	19	7	60.39	Yes	19.74	-40.65

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3873	11/17/2021	19	8	58.81	Yes	19.74	-39.07
3874	11/17/2021	19	9	58.38	Yes	19.74	-38.64
3875	11/17/2021	19	10	58.50	Yes	19.74	-38.76
3876	11/17/2021	19	11	58.87	Yes	19.74	-39.13
3877	11/17/2021	19	12	58.94	Yes	19.74	-39.20
3878	11/17/2021	20	1	59.45	Yes	19.74	-39.71
3879	11/17/2021	20	2	59.78	Yes	19.74	-40.04
3880	11/17/2021	20	3	58.15	Yes	19.74	-38.41
3881	11/17/2021	20	4	57.51	Yes	19.74	-37.77
3882	11/17/2021	20	5	57.45	Yes	19.74	-37.71
3883	11/17/2021	20	6	57.73	Yes	19.74	-37.99
3884	11/17/2021	20	7	60.28	Yes	19.74	-40.54
3885	11/17/2021	20	8	60.98	Yes	19.74	-41.24
3886	11/17/2021	20	9	59.52	Yes	19.74	-39.78
3887	11/17/2021	20	10	61.56	Yes	19.74	-41.82
3888	11/17/2021	20	11	61.96	Yes	19.74	-42.22
3889	11/17/2021	20	12	61.76	Yes	19.74	-42.02
3890	11/17/2021	21	1	64.79	Yes	19.74	-45.05
3891	11/17/2021	21	2	64.60	Yes	19.74	-44.86
3892	11/17/2021	21	3	61.98	Yes	19.74	-42.24
3893	11/17/2021	21	4	57.16	Yes	19.74	-37.42
3894	11/17/2021	21	5	58.03	Yes	19.74	-38.29
3895	11/17/2021	21	6	58.14	Yes	19.74	-38.40
3896	11/17/2021	21	7	59.06	Yes	19.74	-39.32
3897	11/17/2021	21	8	59.41	Yes	19.74	-39.67
3898	11/17/2021	21	9	57.31	Yes	19.74	-37.57
3899	11/17/2021	21	10	62.16	Yes	19.74	-42.42
3900	11/17/2021	21	11	62.78	Yes	19.74	-43.04
3901	11/17/2021	21	12	58.64	Yes	19.74	-38.90
3902	11/17/2021	22	1	62.52	Yes	19.74	-42.78
3903	11/17/2021	22	2	58.97	Yes	19.74	-39.23
3904	11/17/2021	22	3	55.00	Yes	19.74	-35.26
3905	11/17/2021	22	4	55.23	Yes	19.74	-35.49
3906	11/17/2021	22	5	55.57	Yes	19.74	-35.83
3907	11/17/2021	22	6	54.59	Yes	19.74	-34.85
3908	11/17/2021	22	7	53.87	Yes	19.74	-34.13
3909	11/17/2021	22	8	49.83	Yes	19.74	-30.09
3910	11/17/2021	22	9	49.08	Yes	19.74	-29.34

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3911	11/17/2021	22	10	50.89	Yes	19.74	-31.15
3912	11/17/2021	22	11	50.31	Yes	19.74	-30.57
3913	11/17/2021	22	12	50.48	Yes	19.74	-30.74
3914	11/17/2021	23	1	51.38	Yes	19.74	-31.64
3915	11/17/2021	23	2	53.08	Yes	19.74	-33.34
3916	11/17/2021	23	3	53.51	Yes	19.74	-33.77
3917	11/17/2021	23	4	52.35	Yes	19.74	-32.61
3918	11/17/2021	23	5	50.77	Yes	19.74	-31.03
3919	11/17/2021	23	6	50.20	Yes	19.74	-30.46
3920	11/17/2021	23	7	49.42	Yes	19.74	-29.68
3921	11/17/2021	23	8	48.90	Yes	19.74	-29.16
3922	11/17/2021	23	9	47.79	Yes	19.74	-28.05
3923	11/17/2021	23	10	47.28	Yes	19.74	-27.54
3924	11/17/2021	23	11	47.28	Yes	19.74	-27.54
3925	11/17/2021	23	12	46.05	Yes	19.74	-26.31
3926	11/17/2021	24	1	50.54	Yes	19.74	-30.80
3927	11/17/2021	24	2	49.94	Yes	19.74	-30.20
3928	11/17/2021	24	3	49.94	Yes	19.74	-30.20
3929	11/17/2021	24	4	49.82	Yes	19.74	-30.08
3930	11/17/2021	24	5	50.31	Yes	19.74	-30.57
3931	11/17/2021	24	6	49.62	Yes	19.74	-29.88
3932	11/17/2021	24	7	48.07	Yes	19.74	-28.33
3933	11/17/2021	24	8	47.62	Yes	19.74	-27.88
3934	11/17/2021	24	9	47.02	Yes	19.74	-27.28
3935	11/17/2021	24	10	47.44	Yes	19.74	-27.70
3936	11/17/2021	24	11	49.99	Yes	19.74	-30.25
3937	11/17/2021	24	12	45.64	Yes	19.74	-25.90
3938	11/18/2021	1	1	50.70	Yes	19.52	-31.18
3939	11/18/2021	1	2	50.53	Yes	19.52	-31.01
3940	11/18/2021	1	3	49.59	Yes	19.52	-30.07
3941	11/18/2021	1	4	50.46	Yes	19.52	-30.94
3942	11/18/2021	1	5	50.41	Yes	19.52	-30.89
3943	11/18/2021	1	6	50.88	Yes	19.52	-31.36
3944	11/18/2021	1	7	50.73	Yes	19.52	-31.21
3945	11/18/2021	1	8	50.03	Yes	19.52	-30.51
3946	11/18/2021	1	9	50.12	Yes	19.52	-30.60
3947	11/18/2021	1	10	49.12	Yes	19.52	-29.60
3948	11/18/2021	1	11	48.99	Yes	19.52	-29.47

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3949	11/18/2021	1	12	48.57	Yes	19.52	-29.05
3950	11/18/2021	2	1	49.15	Yes	19.52	-29.63
3951	11/18/2021	2	2	48.83	Yes	19.52	-29.31
3952	11/18/2021	2	3	48.83	Yes	19.52	-29.31
3953	11/18/2021	2	4	48.55	Yes	19.52	-29.03
3954	11/18/2021	2	5	48.49	Yes	19.52	-28.97
3955	11/18/2021	2	6	48.55	Yes	19.52	-29.03
3956	11/18/2021	2	7	51.71	Yes	19.52	-32.19
3957	11/18/2021	2	8	51.71	Yes	19.52	-32.19
3958	11/18/2021	2	9	51.71	Yes	19.52	-32.19
3959	11/18/2021	2	10	51.63	Yes	19.52	-32.11
3960	11/18/2021	2	11	51.63	Yes	19.52	-32.11
3961	11/18/2021	2	12	51.26	Yes	19.52	-31.74
3962	11/18/2021	3	1	51.75	Yes	19.52	-32.23
3963	11/18/2021	3	2	51.94	Yes	19.52	-32.42
3964	11/18/2021	3	3	51.69	Yes	19.52	-32.17
3965	11/18/2021	3	4	50.88	Yes	19.52	-31.36
3966	11/18/2021	3	5	50.65	Yes	19.52	-31.13
3967	11/18/2021	3	6	50.65	Yes	19.52	-31.13
3968	11/18/2021	3	7	50.66	Yes	19.52	-31.14
3969	11/18/2021	3	8	50.66	Yes	19.52	-31.14
3970	11/18/2021	3	9	50.67	Yes	19.52	-31.15
3971	11/18/2021	3	10	50.88	Yes	19.52	-31.36
3972	11/18/2021	3	11	50.96	Yes	19.52	-31.44
3973	11/18/2021	3	12	51.44	Yes	19.52	-31.92
3974	11/18/2021	4	1	52.38	Yes	19.52	-32.86
3975	11/18/2021	4	2	52.44	Yes	19.52	-32.92
3976	11/18/2021	4	3	52.38	Yes	19.52	-32.86
3977	11/18/2021	4	4	53.03	Yes	19.52	-33.51
3978	11/18/2021	4	5	53.03	Yes	19.52	-33.51
3979	11/18/2021	4	6	53.03	Yes	19.52	-33.51
3980	11/18/2021	4	7	53.20	Yes	19.52	-33.68
3981	11/18/2021	4	8	53.20	Yes	19.52	-33.68
3982	11/18/2021	4	9	53.20	Yes	19.52	-33.68
3983	11/18/2021	4	10	53.42	Yes	19.52	-33.90
3984	11/18/2021	4	11	53.42	Yes	19.52	-33.90
3985	11/18/2021	4	12	53.42	Yes	19.52	-33.90
3986	11/18/2021	5	1	53.61	Yes	19.52	-34.09

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
3987	11/18/2021	5	2	53.61	Yes	19.52	-34.09
3988	11/18/2021	5	3	53.50	Yes	19.52	-33.98
3989	11/18/2021	5	4	53.85	Yes	19.52	-34.33
3990	11/18/2021	5	5	53.85	Yes	19.52	-34.33
3991	11/18/2021	5	6	53.85	Yes	19.52	-34.33
3992	11/18/2021	5	7	53.85	Yes	19.52	-34.33
3993	11/18/2021	5	8	53.85	Yes	19.52	-34.33
3994	11/18/2021	5	9	53.98	Yes	19.52	-34.46
3995	11/18/2021	5	10	54.17	Yes	19.52	-34.65
3996	11/18/2021	5	11	54.17	Yes	19.52	-34.65
3997	11/18/2021	5	12	54.94	Yes	19.52	-35.42
3998	11/18/2021	6	1	54.89	Yes	19.52	-35.37
3999	11/18/2021	6	2	53.26	Yes	19.52	-33.74
4000	11/18/2021	6	3	54.90	Yes	19.52	-35.38
4001	11/18/2021	6	4	53.36	Yes	19.52	-33.84
4002	11/18/2021	6	5	55.67	Yes	19.52	-36.15
4003	11/18/2021	6	6	55.67	Yes	19.52	-36.15
4004	11/18/2021	6	7	55.75	Yes	19.52	-36.23
4005	11/18/2021	6	8	56.06	Yes	19.52	-36.54
4006	11/18/2021	6	9	58.60	Yes	19.52	-39.08
4007	11/18/2021	6	10	59.81	Yes	19.52	-40.29
4008	11/18/2021	6	11	59.37	Yes	19.52	-39.85
4009	11/18/2021	6	12	59.54	Yes	19.52	-40.02
4010	11/18/2021	7	1	59.58	Yes	19.52	-40.06
4011	11/18/2021	7	2	61.89	Yes	19.52	-42.37
4012	11/18/2021	7	3	61.89	Yes	19.52	-42.37
4013	11/18/2021	7	7	60.95	Yes	19.52	-41.43
4014	11/18/2021	7	8	63.33	Yes	19.52	-43.81
4015	11/18/2021	7	9	62.52	Yes	19.52	-43.00
4016	11/18/2021	7	10	64.05	Yes	19.52	-44.53
4017	11/18/2021	7	11	63.19	Yes	19.52	-43.67
4018	11/18/2021	7	12	62.75	Yes	19.52	-43.23
4019	11/18/2021	8	9	55.53	Yes	19.52	-36.01
4020	11/18/2021	8	10	52.19	Yes	19.52	-32.67
4021	11/18/2021	8	11	52.18	Yes	19.52	-32.66
4022	11/18/2021	8	12	51.82	Yes	19.52	-32.30
4023	11/18/2021	9	1	53.81	Yes	19.52	-34.29
4024	11/18/2021	9	2	54.75	Yes	19.52	-35.23

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4025	11/18/2021	9	3	53.05	Yes	19.52	-33.53
4026	11/18/2021	9	4	51.64	Yes	19.52	-32.12
4027	11/18/2021	9	5	50.57	Yes	19.52	-31.05
4028	11/18/2021	9	6	52.40	Yes	19.52	-32.88
4029	11/18/2021	9	7	51.82	Yes	19.52	-32.30
4030	11/18/2021	9	8	50.27	Yes	19.52	-30.75
4031	11/18/2021	9	9	47.93	Yes	19.52	-28.41
4032	11/18/2021	9	10	47.63	Yes	19.52	-28.11
4033	11/18/2021	9	11	48.20	Yes	19.52	-28.68
4034	11/18/2021	9	12	47.64	Yes	19.52	-28.12
4035	11/18/2021	10	1	51.43	Yes	19.52	-31.91
4036	11/18/2021	10	2	49.45	Yes	19.52	-29.93
4037	11/18/2021	10	3	47.96	Yes	19.52	-28.44
4038	11/18/2021	10	4	46.87	Yes	19.52	-27.35
4039	11/18/2021	10	5	45.26	Yes	19.52	-25.74
4040	11/18/2021	10	6	43.10	Yes	19.52	-23.58
4041	11/18/2021	10	7	42.20	Yes	19.52	-22.68
4042	11/18/2021	10	8	42.76	Yes	19.52	-23.24
4043	11/18/2021	10	9	42.74	Yes	19.52	-23.22
4044	11/18/2021	10	10	39.92	Yes	19.52	-20.40
4045	11/18/2021	10	11	36.85	Yes	19.52	-17.33
4046	11/18/2021	10	12	34.90	Yes	19.52	-15.38
4047	11/18/2021	11	1	38.11	Yes	19.52	-18.59
4048	11/18/2021	11	2	37.40	Yes	19.52	-17.88
4049	11/18/2021	11	3	39.63	Yes	19.52	-20.11
4050	11/18/2021	11	4	35.95	Yes	19.52	-16.43
4051	11/18/2021	11	5	26.03	Yes	19.52	-6.51
4052	11/18/2021	11	6	24.53	Yes	19.52	-5.01
4053	11/18/2021	11	7	19.03	Yes	19.52	0.49
4054	11/18/2021	11	8	17.19	Yes	19.52	2.33
4055	11/18/2021	11	9	22.85	Yes	19.52	-3.33
4056	11/18/2021	11	10	18.21	Yes	19.52	1.31
4057	11/18/2021	11	11	18.07	Yes	19.52	1.45
4058	11/18/2021	11	12	16.52	Yes	19.52	3.00
4059	11/18/2021	12	1	21.41	Yes	19.52	-1.89
4060	11/18/2021	12	2	23.12	Yes	19.52	-3.60
4061	11/18/2021	12	3	25.55	Yes	19.52	-6.03
4062	11/18/2021	12	4	27.06	Yes	19.52	-7.54

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4063	11/18/2021	12	5	27.34	Yes	19.52	-7.82
4064	11/18/2021	12	6	31.21	Yes	19.52	-11.69
4065	11/18/2021	12	7	31.14	Yes	19.52	-11.62
4066	11/18/2021	12	8	33.72	Yes	19.52	-14.20
4067	11/18/2021	12	9	35.74	Yes	19.52	-16.22
4068	11/18/2021	12	10	38.18	Yes	19.52	-18.66
4069	11/18/2021	12	11	37.91	Yes	19.52	-18.39
4070	11/18/2021	12	12	33.90	Yes	19.52	-14.38
4071	11/18/2021	13	1	33.26	Yes	19.52	-13.74
4072	11/18/2021	13	2	40.27	Yes	19.52	-20.75
4073	11/18/2021	13	3	41.09	Yes	19.52	-21.57
4074	11/18/2021	13	4	34.66	Yes	19.52	-15.14
4075	11/18/2021	13	5	33.89	Yes	19.52	-14.37
4076	11/18/2021	13	6	34.95	Yes	19.52	-15.43
4077	11/18/2021	13	7	26.22	Yes	19.52	-6.70
4078	11/18/2021	13	8	29.00	Yes	19.52	-9.48
4079	11/18/2021	13	9	33.90	Yes	19.52	-14.38
4080	11/18/2021	13	10	38.54	Yes	19.52	-19.02
4081	11/18/2021	13	11	41.73	Yes	19.52	-22.21
4082	11/18/2021	13	12	42.29	Yes	19.52	-22.77
4083	11/18/2021	14	1	41.27	Yes	19.52	-21.75
4084	11/18/2021	14	2	42.45	Yes	19.52	-22.93
4085	11/18/2021	14	3	43.54	Yes	19.52	-24.02
4086	11/18/2021	14	4	48.81	Yes	19.52	-29.29
4087	11/18/2021	14	5	49.39	Yes	19.52	-29.87
4088	11/18/2021	14	6	45.21	Yes	19.52	-25.69
4089	11/18/2021	14	7	45.97	Yes	19.52	-26.45
4090	11/18/2021	14	8	49.18	Yes	19.52	-29.66
4091	11/18/2021	14	9	48.17	Yes	19.52	-28.65
4092	11/18/2021	14	10	48.33	Yes	19.52	-28.81
4093	11/18/2021	14	11	46.73	Yes	19.52	-27.21
4094	11/18/2021	14	12	46.32	Yes	19.52	-26.80
4095	11/18/2021	15	1	41.68	Yes	19.52	-22.16
4096	11/18/2021	15	2	42.85	Yes	19.52	-23.33
4097	11/18/2021	15	3	42.81	Yes	19.52	-23.29
4098	11/18/2021	15	4	43.16	Yes	19.52	-23.64
4099	11/18/2021	15	5	42.66	Yes	19.52	-23.14
4100	11/18/2021	15	6	45.58	Yes	19.52	-26.06

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4101	11/18/2021	15	7	45.40	Yes	19.52	-25.88
4102	11/18/2021	15	8	49.61	Yes	19.52	-30.09
4103	11/18/2021	15	9	51.16	Yes	19.52	-31.64
4104	11/18/2021	15	10	51.96	Yes	19.52	-32.44
4105	11/18/2021	15	11	51.96	Yes	19.52	-32.44
4106	11/18/2021	15	12	52.68	Yes	19.52	-33.16
4107	11/18/2021	16	1	49.76	Yes	19.52	-30.24
4108	11/18/2021	16	2	49.76	Yes	19.52	-30.24
4109	11/18/2021	16	3	51.75	Yes	19.52	-32.23
4110	11/18/2021	19	10	61.34	Yes	19.52	-41.82
4111	11/18/2021	19	11	59.98	Yes	19.52	-40.46
4112	11/18/2021	19	12	58.41	Yes	19.52	-38.89
4113	11/18/2021	20	1	62.20	Yes	19.52	-42.68
4114	11/18/2021	20	2	60.18	Yes	19.52	-40.66
4115	11/18/2021	20	3	59.00	Yes	19.52	-39.48
4116	11/18/2021	20	4	57.60	Yes	19.52	-38.08
4117	11/18/2021	20	5	56.13	Yes	19.52	-36.61
4118	11/18/2021	20	6	58.19	Yes	19.52	-38.67
4119	11/18/2021	20	7	59.75	Yes	19.52	-40.23
4120	11/18/2021	20	8	59.95	Yes	19.52	-40.43
4121	11/18/2021	20	9	59.89	Yes	19.52	-40.37
4122	11/18/2021	20	10	60.19	Yes	19.52	-40.67
4123	11/18/2021	20	11	58.11	Yes	19.52	-38.59
4124	11/18/2021	20	12	57.75	Yes	19.52	-38.23
4125	11/18/2021	21	1	54.49	Yes	19.52	-34.97
4126	11/18/2021	21	2	54.05	Yes	19.52	-34.53
4127	11/18/2021	21	3	53.95	Yes	19.52	-34.43
4128	11/18/2021	21	4	54.60	Yes	19.52	-35.08
4129	11/18/2021	21	5	54.55	Yes	19.52	-35.03
4130	11/18/2021	21	6	54.68	Yes	19.52	-35.16
4131	11/18/2021	21	7	54.53	Yes	19.52	-35.01
4132	11/18/2021	21	8	53.32	Yes	19.52	-33.80
4133	11/18/2021	21	9	51.96	Yes	19.52	-32.44
4134	11/18/2021	21	10	51.39	Yes	19.52	-31.87
4135	11/18/2021	21	11	50.94	Yes	19.52	-31.42
4136	11/18/2021	21	12	50.94	Yes	19.52	-31.42
4137	11/18/2021	22	1	52.79	Yes	19.52	-33.27
4138	11/18/2021	22	2	50.94	Yes	19.52	-31.42



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4139	11/18/2021	22	3	50.83	Yes	19.52	-31.31
4140	11/18/2021	22	4	51.11	Yes	19.52	-31.59
4141	11/18/2021	22	5	51.11	Yes	19.52	-31.59
4142	11/18/2021	22	6	50.53	Yes	19.52	-31.01
4143	11/18/2021	22	7	50.05	Yes	19.52	-30.53
4144	11/18/2021	22	8	49.71	Yes	19.52	-30.19
4145	11/18/2021	22	9	49.71	Yes	19.52	-30.19
4146	11/18/2021	22	10	49.33	Yes	19.52	-29.81
4147	11/18/2021	22	11	49.33	Yes	19.52	-29.81
4148	11/18/2021	22	12	49.48	Yes	19.52	-29.96
4149	11/18/2021	23	1	50.82	Yes	19.52	-31.30
4150	11/18/2021	23	2	52.04	Yes	19.52	-32.52
4151	11/18/2021	23	3	50.82	Yes	19.52	-31.30
4152	11/18/2021	23	4	49.94	Yes	19.52	-30.42
4153	11/18/2021	23	5	48.67	Yes	19.52	-29.15
4154	11/18/2021	23	6	48.67	Yes	19.52	-29.15
4155	11/18/2021	23	7	47.20	Yes	19.52	-27.68
4156	11/18/2021	23	8	45.76	Yes	19.52	-26.24
4157	11/18/2021	23	9	45.86	Yes	19.52	-26.34
4158	11/18/2021	23	10	44.99	Yes	19.52	-25.47
4159	11/18/2021	23	11	43.98	Yes	19.52	-24.46
4160	11/18/2021	23	12	44.84	Yes	19.52	-25.32
4161	11/18/2021	24	1	48.80	Yes	19.52	-29.28
4162	11/18/2021	24	2	49.22	Yes	19.52	-29.70
4163	11/18/2021	24	3	49.25	Yes	19.52	-29.73
4164	11/18/2021	24	4	46.69	Yes	19.52	-27.17
4165	11/18/2021	24	5	45.65	Yes	19.52	-26.13
4166	11/18/2021	24	6	45.61	Yes	19.52	-26.09
4167	11/18/2021	24	7	44.72	Yes	19.52	-25.20
4168	11/18/2021	24	8	43.95	Yes	19.52	-24.43
4169	11/18/2021	24	9	43.57	Yes	19.52	-24.05
4170	11/18/2021	24	10	42.45	Yes	19.52	-22.93
4171	11/18/2021	24	11	42.47	Yes	19.52	-22.95
4172	11/18/2021	24	12	43.92	Yes	19.52	-24.40
4173	11/19/2021	1	1	46.84	Yes	19.98	-26.86
4174	11/19/2021	1	2	48.87	Yes	19.98	-28.89
4175	11/19/2021	1	3	48.54	Yes	19.98	-28.56
4176	11/19/2021	1	4	46.39	Yes	19.98	-26.41

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4177	11/19/2021	1	5	46.20	Yes	19.98	-26.22
4178	11/19/2021	1	6	45.27	Yes	19.98	-25.29
4179	11/19/2021	1	7	44.96	Yes	19.98	-24.98
4180	11/19/2021	1	8	44.96	Yes	19.98	-24.98
4181	11/19/2021	1	9	44.86	Yes	19.98	-24.88
4182	11/19/2021	1	10	45.32	Yes	19.98	-25.34
4183	11/19/2021	1	11	44.90	Yes	19.98	-24.92
4184	11/19/2021	1	12	45.26	Yes	19.98	-25.28
4185	11/19/2021	2	1	55.19	Yes	19.98	-35.21
4186	11/19/2021	2	2	55.02	Yes	19.98	-35.04
4187	11/19/2021	2	3	54.22	Yes	19.98	-34.24
4188	11/19/2021	2	4	43.36	Yes	19.98	-23.38
4189	11/19/2021	2	5	44.43	Yes	19.98	-24.45
4190	11/19/2021	2	6	44.10	Yes	19.98	-24.12
4191	11/19/2021	2	7	43.27	Yes	19.98	-23.29
4192	11/19/2021	2	8	42.36	Yes	19.98	-22.38
4193	11/19/2021	2	9	43.19	Yes	19.98	-23.21
4194	11/19/2021	2	10	42.26	Yes	19.98	-22.28
4195	11/19/2021	2	11	42.69	Yes	19.98	-22.71
4196	11/19/2021	2	12	42.40	Yes	19.98	-22.42
4197	11/19/2021	3	1	43.62	Yes	19.98	-23.64
4198	11/19/2021	3	2	43.45	Yes	19.98	-23.47
4199	11/19/2021	3	3	43.66	Yes	19.98	-23.68
4200	11/19/2021	3	4	43.17	Yes	19.98	-23.19
4201	11/19/2021	3	5	43.13	Yes	19.98	-23.15
4202	11/19/2021	3	6	43.26	Yes	19.98	-23.28
4203	11/19/2021	3	7	42.88	Yes	19.98	-22.90
4204	11/19/2021	3	8	42.73	Yes	19.98	-22.75
4205	11/19/2021	3	9	42.60	Yes	19.98	-22.62
4206	11/19/2021	3	10	42.33	Yes	19.98	-22.35
4207	11/19/2021	3	11	42.59	Yes	19.98	-22.61
4208	11/19/2021	3	12	42.77	Yes	19.98	-22.79
4209	11/19/2021	4	1	43.48	Yes	19.98	-23.50
4210	11/19/2021	4	2	43.66	Yes	19.98	-23.68
4211	11/19/2021	4	3	43.70	Yes	19.98	-23.72
4212	11/19/2021	4	4	43.82	Yes	19.98	-23.84
4213	11/19/2021	4	5	44.53	Yes	19.98	-24.55
4214	11/19/2021	4	6	44.53	Yes	19.98	-24.55

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4215	11/19/2021	4	7	45.98	Yes	19.98	-26.00
4216	11/19/2021	4	8	45.99	Yes	19.98	-26.01
4217	11/19/2021	4	9	45.99	Yes	19.98	-26.01
4218	11/19/2021	4	10	45.97	Yes	19.98	-25.99
4219	11/19/2021	4	11	46.20	Yes	19.98	-26.22
4220	11/19/2021	4	12	46.05	Yes	19.98	-26.07
4221	11/19/2021	5	1	46.55	Yes	19.98	-26.57
4222	11/19/2021	5	2	46.96	Yes	19.98	-26.98
4223	11/19/2021	5	3	46.97	Yes	19.98	-26.99
4224	11/19/2021	5	4	47.75	Yes	19.98	-27.77
4225	11/19/2021	5	5	49.29	Yes	19.98	-29.31
4226	11/19/2021	5	6	49.65	Yes	19.98	-29.67
4227	11/19/2021	5	7	48.47	Yes	19.98	-28.49
4228	11/19/2021	5	8	50.11	Yes	19.98	-30.13
4229	11/19/2021	5	9	50.49	Yes	19.98	-30.51
4230	11/19/2021	5	10	60.47	Yes	19.98	-40.49
4231	11/19/2021	5	11	60.62	Yes	19.98	-40.64
4232	11/19/2021	5	12	58.05	Yes	19.98	-38.07
4233	11/19/2021	6	1	47.53	Yes	19.98	-27.55
4234	11/19/2021	6	2	47.53	Yes	19.98	-27.55
4235	11/19/2021	6	3	44.40	Yes	19.98	-24.42
4236	11/19/2021	6	4	45.69	Yes	19.98	-25.71
4237	11/19/2021	6	5	47.87	Yes	19.98	-27.89
4238	11/19/2021	6	6	48.72	Yes	19.98	-28.74
4239	11/19/2021	6	7	51.51	Yes	19.98	-31.53
4240	11/19/2021	6	8	53.47	Yes	19.98	-33.49
4241	11/19/2021	6	9	55.29	Yes	19.98	-35.31
4242	11/19/2021	6	10	57.99	Yes	19.98	-38.01
4243	11/19/2021	6	11	58.43	Yes	19.98	-38.45
4244	11/19/2021	6	12	58.40	Yes	19.98	-38.42
4245	11/19/2021	7	1	54.63	Yes	19.98	-34.65
4246	11/19/2021	7	2	54.30	Yes	19.98	-34.32
4247	11/19/2021	7	3	55.50	Yes	19.98	-35.52
4248	11/19/2021	7	4	56.73	Yes	19.98	-36.75
4249	11/19/2021	7	5	58.96	Yes	19.98	-38.98
4250	11/19/2021	7	6	60.28	Yes	19.98	-40.30
4251	11/19/2021	7	7	62.11	Yes	19.98	-42.13
4252	11/19/2021	7	8	61.10	Yes	19.98	-41.12

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4253	11/19/2021	7	9	61.10	Yes	19.98	-41.12
4254	11/19/2021	7	10	61.69	Yes	19.98	-41.71
4255	11/19/2021	7	11	62.39	Yes	19.98	-42.41
4256	11/19/2021	7	12	60.92	Yes	19.98	-40.94
4257	11/19/2021	8	1	71.09	Yes	19.98	-51.11
4258	11/19/2021	8	2	70.39	Yes	19.98	-50.41
4259	11/19/2021	8	3	63.77	Yes	19.98	-43.79
4260	11/19/2021	8	4	64.36	Yes	19.98	-44.38
4261	11/19/2021	8	5	60.75	Yes	19.98	-40.77
4262	11/19/2021	8	6	57.40	Yes	19.98	-37.42
4263	11/19/2021	8	7	57.90	Yes	19.98	-37.92
4264	11/19/2021	8	8	57.83	Yes	19.98	-37.85
4265	11/19/2021	8	9	52.55	Yes	19.98	-32.57
4266	11/19/2021	8	10	52.09	Yes	19.98	-32.11
4267	11/19/2021	8	11	52.89	Yes	19.98	-32.91
4268	11/19/2021	8	12	50.41	Yes	19.98	-30.43
4269	11/19/2021	9	1	51.43	Yes	19.98	-31.45
4270	11/19/2021	9	2	51.96	Yes	19.98	-31.98
4271	11/19/2021	9	3	49.86	Yes	19.98	-29.88
4272	11/19/2021	9	4	47.32	Yes	19.98	-27.34
4273	11/19/2021	9	5	46.46	Yes	19.98	-26.48
4274	11/19/2021	9	6	45.43	Yes	19.98	-25.45
4275	11/19/2021	9	7	43.97	Yes	19.98	-23.99
4276	11/19/2021	9	8	43.90	Yes	19.98	-23.92
4277	11/19/2021	9	9	39.38	Yes	19.98	-19.40
4278	11/19/2021	9	10	38.39	Yes	19.98	-18.41
4279	11/19/2021	9	11	33.83	Yes	19.98	-13.85
4280	11/19/2021	9	12	23.92	Yes	19.98	-3.94
4281	11/19/2021	10	1	46.69	Yes	19.98	-26.71
4282	11/19/2021	10	2	46.30	Yes	19.98	-26.32
4283	11/19/2021	10	3	44.79	Yes	19.98	-24.81
4284	11/19/2021	10	4	44.06	Yes	19.98	-24.08
4285	11/19/2021	10	5	44.79	Yes	19.98	-24.81
4286	11/19/2021	10	6	37.06	Yes	19.98	-17.08
4287	11/19/2021	10	7	39.69	Yes	19.98	-19.71
4288	11/19/2021	10	8	43.30	Yes	19.98	-23.32
4289	11/19/2021	10	9	43.18	Yes	19.98	-23.20
4290	11/19/2021	10	10	40.64	Yes	19.98	-20.66

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4291	11/19/2021	10	11	40.29	Yes	19.98	-20.31
4292	11/19/2021	10	12	38.27	Yes	19.98	-18.29
4293	11/19/2021	11	1	47.08	Yes	19.98	-27.10
4294	11/19/2021	11	2	44.63	Yes	19.98	-24.65
4295	11/19/2021	11	3	47.41	Yes	19.98	-27.43
4296	11/19/2021	11	4	44.19	Yes	19.98	-24.21
4297	11/19/2021	11	5	39.27	Yes	19.98	-19.29
4298	11/19/2021	11	6	38.99	Yes	19.98	-19.01
4299	11/19/2021	11	7	38.53	Yes	19.98	-18.55
4300	11/19/2021	11	8	37.80	Yes	19.98	-17.82
4301	11/19/2021	11	9	38.58	Yes	19.98	-18.60
4302	11/19/2021	11	10	38.82	Yes	19.98	-18.84
4303	11/19/2021	11	11	35.59	Yes	19.98	-15.61
4304	11/19/2021	11	12	35.29	Yes	19.98	-15.31
4305	11/19/2021	12	1	44.75	Yes	19.98	-24.77
4306	11/19/2021	12	2	46.73	Yes	19.98	-26.75
4307	11/19/2021	12	3	46.73	Yes	19.98	-26.75
4308	11/19/2021	12	4	44.43	Yes	19.98	-24.45
4309	11/19/2021	12	5	46.86	Yes	19.98	-26.88
4310	11/19/2021	12	6	47.75	Yes	19.98	-27.77
4311	11/19/2021	12	7	44.24	Yes	19.98	-24.26
4312	11/19/2021	12	8	42.98	Yes	19.98	-23.00
4313	11/19/2021	12	9	42.17	Yes	19.98	-22.19
4314	11/19/2021	12	10	44.10	Yes	19.98	-24.12
4315	11/19/2021	12	11	41.88	Yes	19.98	-21.90
4316	11/19/2021	12	12	41.03	Yes	19.98	-21.05
4317	11/19/2021	13	1	50.98	Yes	19.98	-31.00
4318	11/19/2021	13	2	51.01	Yes	19.98	-31.03
4319	11/19/2021	13	3	51.90	Yes	19.98	-31.92
4320	11/19/2021	13	4	51.11	Yes	19.98	-31.13
4321	11/19/2021	13	5	51.13	Yes	19.98	-31.15
4322	11/19/2021	13	6	49.89	Yes	19.98	-29.91
4323	11/19/2021	13	7	44.63	Yes	19.98	-24.65
4324	11/19/2021	13	8	47.04	Yes	19.98	-27.06
4325	11/19/2021	13	9	56.48	Yes	19.98	-36.50
4326	11/19/2021	13	10	48.50	Yes	19.98	-28.52
4327	11/19/2021	13	11	47.69	Yes	19.98	-27.71
4328	11/19/2021	13	12	45.71	Yes	19.98	-25.73

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4329	11/19/2021	14	1	51.98	Yes	19.98	-32.00
4330	11/19/2021	14	2	53.44	Yes	19.98	-33.46
4331	11/19/2021	14	3	55.35	Yes	19.98	-35.37
4332	11/19/2021	14	4	56.19	Yes	19.98	-36.21
4333	11/19/2021	14	5	56.40	Yes	19.98	-36.42
4334	11/19/2021	14	6	56.76	Yes	19.98	-36.78
4335	11/19/2021	14	7	55.84	Yes	19.98	-35.86
4336	11/19/2021	14	8	58.74	Yes	19.98	-38.76
4337	11/19/2021	14	9	58.39	Yes	19.98	-38.41
4338	11/19/2021	14	10	60.82	Yes	19.98	-40.84
4339	11/19/2021	14	11	58.79	Yes	19.98	-38.81
4340	11/19/2021	14	12	59.63	Yes	19.98	-39.65
4341	11/19/2021	15	1	60.17	Yes	19.98	-40.19
4342	11/19/2021	15	2	55.20	Yes	19.98	-35.22
4343	11/19/2021	15	3	55.00	Yes	19.98	-35.02
4344	11/19/2021	15	4	49.49	Yes	19.98	-29.51
4345	11/19/2021	15	5	47.04	Yes	19.98	-27.06
4346	11/19/2021	15	6	47.07	Yes	19.98	-27.09
4347	11/19/2021	15	7	48.44	Yes	19.98	-28.46
4348	11/19/2021	15	8	51.30	Yes	19.98	-31.32
4349	11/19/2021	15	9	66.08	Yes	19.98	-46.10
4350	11/19/2021	15	10	68.59	Yes	19.98	-48.61
4351	11/19/2021	15	11	71.97	Yes	19.98	-51.99
4352	11/19/2021	15	12	70.45	Yes	19.98	-50.47
4353	11/19/2021	16	1	53.75	Yes	19.98	-33.77
4354	11/19/2021	16	2	50.83	Yes	19.98	-30.85
4355	11/19/2021	16	3	47.98	Yes	19.98	-28.00
4356	11/19/2021	16	4	49.04	Yes	19.98	-29.06
4357	11/19/2021	16	5	49.04	Yes	19.98	-29.06
4358	11/19/2021	16	6	53.71	Yes	19.98	-33.73
4359	11/19/2021	16	7	50.67	Yes	19.98	-30.69
4360	11/19/2021	16	8	51.92	Yes	19.98	-31.94
4361	11/19/2021	16	9	54.00	Yes	19.98	-34.02
4362	11/19/2021	16	10	61.57	Yes	19.98	-41.59
4363	11/19/2021	16	11	60.85	Yes	19.98	-40.87
4364	11/19/2021	16	12	60.93	Yes	19.98	-40.95
4365	11/19/2021	17	1	42.28	Yes	19.98	-22.30
4366	11/19/2021	17	2	43.11	Yes	19.98	-23.13

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4367	11/19/2021	17	3	43.11	Yes	19.98	-23.13
4368	11/19/2021	17	4	44.07	Yes	19.98	-24.09
4369	11/19/2021	17	5	45.96	Yes	19.98	-25.98
4370	11/19/2021	17	6	47.66	Yes	19.98	-27.68
4371	11/19/2021	17	7	48.81	Yes	19.98	-28.83
4372	11/19/2021	17	8	49.88	Yes	19.98	-29.90
4373	11/19/2021	17	9	49.99	Yes	19.98	-30.01
4374	11/19/2021	17	10	49.95	Yes	19.98	-29.97
4375	11/19/2021	17	11	51.21	Yes	19.98	-31.23
4376	11/19/2021	17	12	52.22	Yes	19.98	-32.24
4377	11/19/2021	18	1	48.19	Yes	19.98	-28.21
4378	11/19/2021	18	2	48.32	Yes	19.98	-28.34
4379	11/19/2021	18	3	49.71	Yes	19.98	-29.73
4380	11/19/2021	18	4	51.02	Yes	19.98	-31.04
4381	11/19/2021	18	5	51.02	Yes	19.98	-31.04
4382	11/19/2021	18	6	50.60	Yes	19.98	-30.62
4383	11/19/2021	18	7	49.31	Yes	19.98	-29.33
4384	11/19/2021	18	8	49.31	Yes	19.98	-29.33
4385	11/19/2021	18	9	48.36	Yes	19.98	-28.38
4386	11/19/2021	18	10	48.33	Yes	19.98	-28.35
4387	11/19/2021	18	11	48.22	Yes	19.98	-28.24
4388	11/19/2021	18	12	48.22	Yes	19.98	-28.24
4389	11/19/2021	19	1	51.50	Yes	19.98	-31.52
4390	11/19/2021	19	2	51.50	Yes	19.98	-31.52
4391	11/19/2021	19	3	51.57	Yes	19.98	-31.59
4392	11/19/2021	19	4	50.08	Yes	19.98	-30.10
4393	11/19/2021	19	5	49.97	Yes	19.98	-29.99
4394	11/19/2021	19	6	49.97	Yes	19.98	-29.99
4395	11/19/2021	19	7	50.72	Yes	19.98	-30.74
4396	11/19/2021	19	8	49.63	Yes	19.98	-29.65
4397	11/19/2021	19	9	49.72	Yes	19.98	-29.74
4398	11/19/2021	19	10	49.64	Yes	19.98	-29.66
4399	11/19/2021	19	11	49.95	Yes	19.98	-29.97
4400	11/19/2021	19	12	50.34	Yes	19.98	-30.36
4401	11/19/2021	20	1	52.62	Yes	19.98	-32.64
4402	11/19/2021	20	2	52.20	Yes	19.98	-32.22
4403	11/19/2021	20	3	51.98	Yes	19.98	-32.00
4404	11/19/2021	20	4	51.26	Yes	19.98	-31.28

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4405	11/19/2021	20	5	51.60	Yes	19.98	-31.62
4406	11/19/2021	20	6	51.23	Yes	19.98	-31.25
4407	11/19/2021	20	7	50.23	Yes	19.98	-30.25
4408	11/19/2021	20	8	50.23	Yes	19.98	-30.25
4409	11/19/2021	20	9	50.13	Yes	19.98	-30.15
4410	11/19/2021	20	10	49.80	Yes	19.98	-29.82
4411	11/19/2021	20	11	49.77	Yes	19.98	-29.79
4412	11/19/2021	20	12	49.31	Yes	19.98	-29.33
4413	11/19/2021	21	1	52.51	Yes	19.98	-32.53
4414	11/19/2021	21	2	52.89	Yes	19.98	-32.91
4415	11/19/2021	21	3	56.32	Yes	19.98	-36.34
4416	11/19/2021	21	4	52.57	Yes	19.98	-32.59
4417	11/19/2021	21	5	51.75	Yes	19.98	-31.77
4418	11/19/2021	21	6	52.47	Yes	19.98	-32.49
4419	11/19/2021	21	7	51.09	Yes	19.98	-31.11
4420	11/19/2021	21	8	47.53	Yes	19.98	-27.55
4421	11/19/2021	21	9	47.51	Yes	19.98	-27.53
4422	11/19/2021	21	10	47.26	Yes	19.98	-27.28
4423	11/19/2021	21	11	47.35	Yes	19.98	-27.37
4424	11/19/2021	21	12	49.27	Yes	19.98	-29.29
4425	11/19/2021	22	1	50.40	Yes	19.98	-30.42
4426	11/19/2021	22	2	50.45	Yes	19.98	-30.47
4427	11/19/2021	22	3	50.53	Yes	19.98	-30.55
4428	11/19/2021	22	4	49.97	Yes	19.98	-29.99
4429	11/19/2021	22	5	49.97	Yes	19.98	-29.99
4430	11/19/2021	22	6	49.23	Yes	19.98	-29.25
4431	11/19/2021	22	7	48.96	Yes	19.98	-28.98
4432	11/19/2021	22	8	47.99	Yes	19.98	-28.01
4433	11/19/2021	22	9	47.63	Yes	19.98	-27.65
4434	11/19/2021	22	10	47.47	Yes	19.98	-27.49
4435	11/19/2021	22	11	46.82	Yes	19.98	-26.84
4436	11/19/2021	22	12	46.65	Yes	19.98	-26.67
4437	11/19/2021	23	1	48.95	Yes	19.98	-28.97
4438	11/19/2021	23	2	50.88	Yes	19.98	-30.90
4439	11/19/2021	23	3	52.13	Yes	19.98	-32.15
4440	11/19/2021	23	4	48.31	Yes	19.98	-28.33
4441	11/19/2021	23	5	48.13	Yes	19.98	-28.15
4442	11/19/2021	23	6	47.58	Yes	19.98	-27.60



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4443	11/19/2021	23	7	47.32	Yes	19.98	-27.34
4444	11/19/2021	23	8	47.50	Yes	19.98	-27.52
4445	11/19/2021	23	9	47.32	Yes	19.98	-27.34
4446	11/19/2021	23	10	45.24	Yes	19.98	-25.26
4447	11/19/2021	23	11	43.32	Yes	19.98	-23.34
4448	11/19/2021	23	12	42.76	Yes	19.98	-22.78
4449	11/19/2021	24	1	44.39	Yes	19.98	-24.41
4450	11/19/2021	24	2	43.23	Yes	19.98	-23.25
4451	11/19/2021	24	3	42.29	Yes	19.98	-22.31
4452	11/19/2021	24	4	41.41	Yes	19.98	-21.43
4453	11/19/2021	24	5	40.03	Yes	19.98	-20.05
4454	11/19/2021	24	6	39.51	Yes	19.98	-19.53
4455	11/19/2021	24	7	39.43	Yes	19.98	-19.45
4456	11/19/2021	24	8	39.41	Yes	19.98	-19.43
4457	11/19/2021	24	9	38.80	Yes	19.98	-18.82
4458	11/19/2021	24	10	38.25	Yes	19.98	-18.27
4459	11/19/2021	24	11	37.73	Yes	19.98	-17.75
4460	11/19/2021	24	12	38.14	Yes	19.98	-18.16
4461	11/20/2021	1	1	40.00	Yes	19.45	-20.55
4462	11/20/2021	1	2	40.77	Yes	19.45	-21.32
4463	11/20/2021	1	3	40.21	Yes	19.45	-20.76
4464	11/20/2021	1	4	40.05	Yes	19.45	-20.60
4465	11/20/2021	1	5	39.76	Yes	19.45	-20.31
4466	11/20/2021	1	6	39.15	Yes	19.45	-19.70
4467	11/20/2021	1	7	41.06	Yes	19.45	-21.61
4468	11/20/2021	1	8	41.08	Yes	19.45	-21.63
4469	11/20/2021	1	9	40.86	Yes	19.45	-21.41
4470	11/20/2021	1	10	40.23	Yes	19.45	-20.78
4471	11/20/2021	1	11	38.90	Yes	19.45	-19.45
4472	11/20/2021	1	12	37.60	Yes	19.45	-18.15
4473	11/20/2021	2	1	44.62	Yes	19.45	-25.17
4474	11/20/2021	2	2	42.48	Yes	19.45	-23.03
4475	11/20/2021	2	3	42.49	Yes	19.45	-23.04
4476	11/20/2021	2	4	41.91	Yes	19.45	-22.46
4477	11/20/2021	2	5	42.34	Yes	19.45	-22.89
4478	11/20/2021	2	6	41.92	Yes	19.45	-22.47
4479	11/20/2021	2	7	42.34	Yes	19.45	-22.89
4480	11/20/2021	2	8	42.64	Yes	19.45	-23.19

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4481	11/20/2021	2	9	42.35	Yes	19.45	-22.90
4482	11/20/2021	2	10	42.30	Yes	19.45	-22.85
4483	11/20/2021	2	11	42.33	Yes	19.45	-22.88
4484	11/20/2021	2	12	42.30	Yes	19.45	-22.85
4485	11/20/2021	3	1	41.30	Yes	19.45	-21.85
4486	11/20/2021	3	2	41.30	Yes	19.45	-21.85
4487	11/20/2021	3	3	41.32	Yes	19.45	-21.87
4488	11/20/2021	3	4	41.64	Yes	19.45	-22.19
4489	11/20/2021	3	5	42.32	Yes	19.45	-22.87
4490	11/20/2021	3	6	41.68	Yes	19.45	-22.23
4491	11/20/2021	3	7	42.17	Yes	19.45	-22.72
4492	11/20/2021	3	8	43.62	Yes	19.45	-24.17
4493	11/20/2021	3	9	42.95	Yes	19.45	-23.50
4494	11/20/2021	3	10	43.72	Yes	19.45	-24.27
4495	11/20/2021	3	11	43.72	Yes	19.45	-24.27
4496	11/20/2021	3	12	43.59	Yes	19.45	-24.14
4497	11/20/2021	4	1	44.42	Yes	19.45	-24.97
4498	11/20/2021	4	2	44.56	Yes	19.45	-25.11
4499	11/20/2021	4	3	43.92	Yes	19.45	-24.47
4500	11/20/2021	4	4	44.32	Yes	19.45	-24.87
4501	11/20/2021	4	5	44.33	Yes	19.45	-24.88
4502	11/20/2021	4	6	44.32	Yes	19.45	-24.87
4503	11/20/2021	4	7	44.19	Yes	19.45	-24.74
4504	11/20/2021	4	8	44.87	Yes	19.45	-25.42
4505	11/20/2021	4	9	44.98	Yes	19.45	-25.53
4506	11/20/2021	4	10	45.48	Yes	19.45	-26.03
4507	11/20/2021	4	11	45.48	Yes	19.45	-26.03
4508	11/20/2021	4	12	46.18	Yes	19.45	-26.73
4509	11/20/2021	5	1	47.59	Yes	19.45	-28.14
4510	11/20/2021	5	2	48.74	Yes	19.45	-29.29
4511	11/20/2021	5	3	49.93	Yes	19.45	-30.48
4512	11/20/2021	5	4	50.02	Yes	19.45	-30.57
4513	11/20/2021	5	5	49.38	Yes	19.45	-29.93
4514	11/20/2021	5	6	49.38	Yes	19.45	-29.93
4515	11/20/2021	5	7	50.29	Yes	19.45	-30.84
4516	11/20/2021	5	8	50.07	Yes	19.45	-30.62
4517	11/20/2021	5	9	51.17	Yes	19.45	-31.72
4518	11/20/2021	5	10	51.40	Yes	19.45	-31.95

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4519	11/20/2021	5	11	50.09	Yes	19.45	-30.64
4520	11/20/2021	5	12	49.09	Yes	19.45	-29.64
4521	11/20/2021	6	1	41.99	Yes	19.45	-22.54
4522	11/20/2021	6	2	41.87	Yes	19.45	-22.42
4523	11/20/2021	6	3	41.87	Yes	19.45	-22.42
4524	11/20/2021	6	4	42.18	Yes	19.45	-22.73
4525	11/20/2021	6	5	43.31	Yes	19.45	-23.86
4526	11/20/2021	6	6	44.01	Yes	19.45	-24.56
4527	11/20/2021	6	7	45.56	Yes	19.45	-26.11
4528	11/20/2021	6	8	45.56	Yes	19.45	-26.11
4529	11/20/2021	6	9	46.09	Yes	19.45	-26.64
4530	11/20/2021	6	10	46.53	Yes	19.45	-27.08
4531	11/20/2021	6	11	46.53	Yes	19.45	-27.08
4532	11/20/2021	6	12	46.41	Yes	19.45	-26.96
4533	11/20/2021	7	1	48.76	Yes	19.45	-29.31
4534	11/20/2021	7	2	48.60	Yes	19.45	-29.15
4535	11/20/2021	7	3	48.00	Yes	19.45	-28.55
4536	11/20/2021	7	4	48.75	Yes	19.45	-29.30
4537	11/20/2021	7	5	48.75	Yes	19.45	-29.30
4538	11/20/2021	7	6	48.75	Yes	19.45	-29.30
4539	11/20/2021	7	7	51.07	Yes	19.45	-31.62
4540	11/20/2021	7	8	50.26	Yes	19.45	-30.81
4541	11/20/2021	7	9	49.84	Yes	19.45	-30.39
4542	11/20/2021	7	10	50.40	Yes	19.45	-30.95
4543	11/20/2021	7	11	51.83	Yes	19.45	-32.38
4544	11/20/2021	7	12	55.71	Yes	19.45	-36.26
4545	11/20/2021	8	1	74.07	Yes	19.45	-54.62
4546	11/20/2021	8	2	78.58	Yes	19.45	-59.13
4547	11/20/2021	8	3	76.16	Yes	19.45	-56.71
4548	11/20/2021	8	4	73.54	Yes	19.45	-54.09
4549	11/20/2021	8	5	59.54	Yes	19.45	-40.09
4550	11/20/2021	8	6	54.73	Yes	19.45	-35.28
4551	11/20/2021	8	7	54.67	Yes	19.45	-35.22
4552	11/20/2021	8	8	53.25	Yes	19.45	-33.80
4553	11/20/2021	8	9	51.43	Yes	19.45	-31.98
4554	11/20/2021	8	10	46.98	Yes	19.45	-27.53
4555	11/20/2021	8	11	46.90	Yes	19.45	-27.45
4556	11/20/2021	8	12	43.35	Yes	19.45	-23.90

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4557	11/20/2021	9	1	47.31	Yes	19.45	-27.86
4558	11/20/2021	9	2	46.59	Yes	19.45	-27.14
4559	11/20/2021	9	3	44.46	Yes	19.45	-25.01
4560	11/20/2021	9	4	41.64	Yes	19.45	-22.19
4561	11/20/2021	9	5	42.64	Yes	19.45	-23.19
4562	11/20/2021	9	6	39.33	Yes	19.45	-19.88
4563	11/20/2021	9	7	34.20	Yes	19.45	-14.75
4564	11/20/2021	9	8	34.20	Yes	19.45	-14.75
4565	11/20/2021	9	9	33.26	Yes	19.45	-13.81
4566	11/20/2021	9	10	33.99	Yes	19.45	-14.54
4567	11/20/2021	9	11	26.39	Yes	19.45	-6.94
4568	11/20/2021	9	12	24.91	Yes	19.45	-5.46
4569	11/20/2021	10	1	39.85	Yes	19.45	-20.40
4570	11/20/2021	10	2	38.66	Yes	19.45	-19.21
4571	11/20/2021	10	3	38.65	Yes	19.45	-19.20
4572	11/20/2021	10	4	38.37	Yes	19.45	-18.92
4573	11/20/2021	10	5	36.74	Yes	19.45	-17.29
4574	11/20/2021	10	6	33.32	Yes	19.45	-13.87
4575	11/20/2021	10	7	29.57	Yes	19.45	-10.12
4576	11/20/2021	10	8	21.06	Yes	19.45	-1.61
4577	11/20/2021	10	9	18.85	Yes	19.45	0.60
4578	11/20/2021	10	10	0.00	Yes	19.45	19.45
4579	11/20/2021	10	11	0.00	Yes	19.45	19.45
4580	11/20/2021	10	12	-0.01	Yes	19.45	19.46
4581	11/20/2021	11	1	17.73	Yes	19.45	1.72
4582	11/20/2021	11	2	4.45	Yes	19.45	15.00
4583	11/20/2021	11	3	3.32	Yes	19.45	16.13
4584	11/20/2021	11	4	0.00	Yes	19.45	19.45
4585	11/20/2021	11	5	0.00	Yes	19.45	19.45
4586	11/20/2021	11	6	0.00	Yes	19.45	19.45
4587	11/20/2021	11	7	0.00	Yes	19.45	19.45
4588	11/20/2021	11	8	0.00	Yes	19.45	19.45
4589	11/20/2021	11	9	-0.01	Yes	19.45	19.46
4590	11/20/2021	11	10	28.58	Yes	19.45	-9.13
4591	11/20/2021	11	11	24.95	Yes	19.45	-5.50
4592	11/20/2021	11	12	13.80	Yes	19.45	5.65
4593	11/20/2021	12	1	26.27	Yes	19.45	-6.82
4594	11/20/2021	12	2	26.50	Yes	19.45	-7.05

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4595	11/20/2021	12	3	21.55	Yes	19.45	-2.10
4596	11/20/2021	12	4	12.69	Yes	19.45	6.76
4597	11/20/2021	12	5	0.00	Yes	19.45	19.45
4598	11/20/2021	12	6	14.99	Yes	19.45	4.46
4599	11/20/2021	12	7	18.17	Yes	19.45	1.28
4600	11/20/2021	12	8	15.99	Yes	19.45	3.46
4601	11/20/2021	12	9	13.00	Yes	19.45	6.45
4602	11/20/2021	12	10	0.00	Yes	19.45	19.45
4603	11/20/2021	12	11	0.00	Yes	19.45	19.45
4604	11/20/2021	12	12	-0.01	Yes	19.45	19.46
4605	11/20/2021	13	1	16.37	Yes	19.45	3.08
4606	11/20/2021	13	2	15.04	Yes	19.45	4.41
4607	11/20/2021	13	3	6.78	Yes	19.45	12.67
4608	11/20/2021	13	4	22.56	Yes	19.45	-3.11
4609	11/20/2021	13	5	17.78	Yes	19.45	1.67
4610	11/20/2021	13	6	17.60	Yes	19.45	1.85
4611	11/20/2021	13	7	19.56	Yes	19.45	-0.11
4612	11/20/2021	13	8	5.45	Yes	19.45	14.00
4613	11/20/2021	13	9	0.00	Yes	19.45	19.45
4614	11/20/2021	13	10	6.94	Yes	19.45	12.51
4615	11/20/2021	13	11	0.00	Yes	19.45	19.45
4616	11/20/2021	13	12	0.00	Yes	19.45	19.45
4617	11/20/2021	14	1	19.13	Yes	19.45	0.32
4618	11/20/2021	14	2	2.91	Yes	19.45	16.54
4619	11/20/2021	14	3	11.73	Yes	19.45	7.72
4620	11/20/2021	14	4	19.13	Yes	19.45	0.32
4621	11/20/2021	14	5	19.53	Yes	19.45	-0.08
4622	11/20/2021	14	6	20.52	Yes	19.45	-1.07
4623	11/20/2021	14	7	23.25	Yes	19.45	-3.80
4624	11/20/2021	14	8	29.42	Yes	19.45	-9.97
4625	11/20/2021	14	9	29.62	Yes	19.45	-10.17
4626	11/20/2021	14	10	31.88	Yes	19.45	-12.43
4627	11/20/2021	14	11	35.40	Yes	19.45	-15.95
4628	11/20/2021	14	12	34.47	Yes	19.45	-15.02
4629	11/20/2021	15	1	32.57	Yes	19.45	-13.12
4630	11/20/2021	15	2	32.57	Yes	19.45	-13.12
4631	11/20/2021	15	3	28.60	Yes	19.45	-9.15
4632	11/20/2021	15	4	29.75	Yes	19.45	-10.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4633	11/20/2021	15	5	38.97	Yes	19.45	-19.52
4634	11/20/2021	15	6	43.66	Yes	19.45	-24.21
4635	11/20/2021	15	7	44.33	Yes	19.45	-24.88
4636	11/20/2021	15	8	45.37	Yes	19.45	-25.92
4637	11/20/2021	15	9	46.96	Yes	19.45	-27.51
4638	11/20/2021	15	10	47.62	Yes	19.45	-28.17
4639	11/20/2021	15	11	47.72	Yes	19.45	-28.27
4640	11/20/2021	15	12	47.62	Yes	19.45	-28.17
4641	11/20/2021	16	1	36.39	Yes	19.45	-16.94
4642	11/20/2021	16	2	32.40	Yes	19.45	-12.95
4643	11/20/2021	16	3	34.61	Yes	19.45	-15.16
4644	11/20/2021	16	4	36.20	Yes	19.45	-16.75
4645	11/20/2021	16	5	42.29	Yes	19.45	-22.84
4646	11/20/2021	16	6	52.72	Yes	19.45	-33.27
4647	11/20/2021	16	7	54.13	Yes	19.45	-34.68
4648	11/20/2021	16	8	55.61	Yes	19.45	-36.16
4649	11/20/2021	16	9	59.53	Yes	19.45	-40.08
4650	11/20/2021	16	10	63.16	Yes	19.45	-43.71
4651	11/20/2021	16	11	69.23	Yes	19.45	-49.78
4652	11/20/2021	16	12	69.23	Yes	19.45	-49.78
4653	11/20/2021	17	1	45.87	Yes	19.45	-26.42
4654	11/20/2021	17	2	45.87	Yes	19.45	-26.42
4655	11/20/2021	17	3	46.12	Yes	19.45	-26.67
4656	11/20/2021	17	4	46.97	Yes	19.45	-27.52
4657	11/20/2021	17	5	49.23	Yes	19.45	-29.78
4658	11/20/2021	17	6	50.94	Yes	19.45	-31.49
4659	11/20/2021	17	7	52.46	Yes	19.45	-33.01
4660	11/20/2021	17	8	58.28	Yes	19.45	-38.83
4661	11/20/2021	17	9	63.49	Yes	19.45	-44.04
4662	11/20/2021	17	10	64.89	Yes	19.45	-45.44
4663	11/20/2021	17	11	77.92	Yes	19.45	-58.47
4664	11/20/2021	17	12	69.55	Yes	19.45	-50.10
4665	11/20/2021	18	1	54.20	Yes	19.45	-34.75
4666	11/20/2021	18	2	49.73	Yes	19.45	-30.28
4667	11/20/2021	18	3	49.16	Yes	19.45	-29.71
4668	11/20/2021	18	4	50.03	Yes	19.45	-30.58
4669	11/20/2021	18	5	50.93	Yes	19.45	-31.48
4670	11/20/2021	18	6	53.36	Yes	19.45	-33.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4671	11/20/2021	18	7	54.71	Yes	19.45	-35.26
4672	11/20/2021	18	8	52.16	Yes	19.45	-32.71
4673	11/20/2021	18	9	52.59	Yes	19.45	-33.14
4674	11/20/2021	18	10	50.53	Yes	19.45	-31.08
4675	11/20/2021	18	11	50.30	Yes	19.45	-30.85
4676	11/20/2021	18	12	49.45	Yes	19.45	-30.00
4677	11/20/2021	19	1	54.18	Yes	19.45	-34.73
4678	11/20/2021	19	2	53.30	Yes	19.45	-33.85
4679	11/20/2021	19	3	51.96	Yes	19.45	-32.51
4680	11/20/2021	19	4	51.70	Yes	19.45	-32.25
4681	11/20/2021	19	5	51.91	Yes	19.45	-32.46
4682	11/20/2021	19	6	52.23	Yes	19.45	-32.78
4683	11/20/2021	19	7	54.01	Yes	19.45	-34.56
4684	11/20/2021	19	8	54.04	Yes	19.45	-34.59
4685	11/20/2021	19	9	55.63	Yes	19.45	-36.18
4686	11/20/2021	19	10	56.41	Yes	19.45	-36.96
4687	11/20/2021	19	11	56.46	Yes	19.45	-37.01
4688	11/20/2021	19	12	55.45	Yes	19.45	-36.00
4689	11/20/2021	20	1	55.50	Yes	19.45	-36.05
4690	11/20/2021	20	2	56.48	Yes	19.45	-37.03
4691	11/20/2021	20	3	56.92	Yes	19.45	-37.47
4692	11/20/2021	20	4	54.94	Yes	19.45	-35.49
4693	11/20/2021	20	5	55.02	Yes	19.45	-35.57
4694	11/20/2021	20	6	56.34	Yes	19.45	-36.89
4695	11/20/2021	20	7	56.85	Yes	19.45	-37.40
4696	11/20/2021	20	8	57.62	Yes	19.45	-38.17
4697	11/20/2021	20	9	57.67	Yes	19.45	-38.22
4698	11/20/2021	20	10	57.04	Yes	19.45	-37.59
4699	11/20/2021	20	11	57.17	Yes	19.45	-37.72
4700	11/20/2021	20	12	56.33	Yes	19.45	-36.88
4701	11/20/2021	21	1	57.76	Yes	19.45	-38.31
4702	11/20/2021	21	2	58.43	Yes	19.45	-38.98
4703	11/20/2021	21	3	56.32	Yes	19.45	-36.87
4704	11/20/2021	21	4	57.15	Yes	19.45	-37.70
4705	11/20/2021	21	5	57.28	Yes	19.45	-37.83
4706	11/20/2021	21	6	56.14	Yes	19.45	-36.69
4707	11/20/2021	21	7	59.66	Yes	19.45	-40.21
4708	11/20/2021	21	8	59.94	Yes	19.45	-40.49

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4709	11/20/2021	21	9	59.94	Yes	19.45	-40.49
4710	11/20/2021	21	10	59.28	Yes	19.45	-39.83
4711	11/20/2021	21	11	61.76	Yes	19.45	-42.31
4712	11/20/2021	21	12	62.12	Yes	19.45	-42.67
4713	11/20/2021	22	1	63.61	Yes	19.45	-44.16
4714	11/20/2021	22	2	70.55	Yes	19.45	-51.10
4715	11/20/2021	22	3	66.07	Yes	19.45	-46.62
4716	11/20/2021	22	4	59.51	Yes	19.45	-40.06
4717	11/20/2021	22	5	59.41	Yes	19.45	-39.96
4718	11/20/2021	22	6	60.17	Yes	19.45	-40.72
4719	11/20/2021	22	7	66.52	Yes	19.45	-47.07
4720	11/20/2021	22	8	61.40	Yes	19.45	-41.95
4721	11/20/2021	22	9	58.52	Yes	19.45	-39.07
4722	11/20/2021	22	10	54.20	Yes	19.45	-34.75
4723	11/20/2021	22	11	54.75	Yes	19.45	-35.30
4724	11/20/2021	22	12	57.95	Yes	19.45	-38.50
4725	11/20/2021	23	1	61.33	Yes	19.45	-41.88
4726	11/20/2021	23	2	66.61	Yes	19.45	-47.16
4727	11/20/2021	23	3	60.98	Yes	19.45	-41.53
4728	11/20/2021	23	4	58.55	Yes	19.45	-39.10
4729	11/20/2021	23	5	55.93	Yes	19.45	-36.48
4730	11/20/2021	23	6	53.18	Yes	19.45	-33.73
4731	11/20/2021	23	7	54.27	Yes	19.45	-34.82
4732	11/20/2021	23	8	52.79	Yes	19.45	-33.34
4733	11/20/2021	23	9	50.09	Yes	19.45	-30.64
4734	11/20/2021	23	10	49.80	Yes	19.45	-30.35
4735	11/20/2021	23	11	49.90	Yes	19.45	-30.45
4736	11/20/2021	23	12	51.97	Yes	19.45	-32.52
4737	11/20/2021	24	1	50.59	Yes	19.45	-31.14
4738	11/20/2021	24	2	48.04	Yes	19.45	-28.59
4739	11/20/2021	24	3	47.35	Yes	19.45	-27.90
4740	11/20/2021	24	4	47.26	Yes	19.45	-27.81
4741	11/20/2021	24	5	45.97	Yes	19.45	-26.52
4742	11/20/2021	24	6	45.69	Yes	19.45	-26.24
4743	11/20/2021	24	7	44.88	Yes	19.45	-25.43
4744	11/20/2021	24	8	44.39	Yes	19.45	-24.94
4745	11/20/2021	24	9	43.96	Yes	19.45	-24.51
4746	11/20/2021	24	10	44.53	Yes	19.45	-25.08



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4747	11/20/2021	24	11	44.53	Yes	19.45	-25.08
4748	11/20/2021	24	12	48.27	Yes	19.45	-28.82
4749	11/21/2021	1	1	48.06	Yes	19.45	-28.61
4750	11/21/2021	1	2	59.85	Yes	19.45	-40.40
4751	11/21/2021	1	3	58.74	Yes	19.45	-39.29
4752	11/21/2021	1	4	57.94	Yes	19.45	-38.49
4753	11/21/2021	1	5	58.00	Yes	19.45	-38.55
4754	11/21/2021	1	6	58.07	Yes	19.45	-38.62
4755	11/21/2021	1	7	48.87	Yes	19.45	-29.42
4756	11/21/2021	1	8	48.88	Yes	19.45	-29.43
4757	11/21/2021	1	9	50.30	Yes	19.45	-30.85
4758	11/21/2021	1	10	47.44	Yes	19.45	-27.99
4759	11/21/2021	1	11	47.44	Yes	19.45	-27.99
4760	11/21/2021	1	12	48.40	Yes	19.45	-28.95
4761	11/21/2021	2	1	54.58	Yes	19.45	-35.13
4762	11/21/2021	2	2	48.72	Yes	19.45	-29.27
4763	11/21/2021	2	3	52.13	Yes	19.45	-32.68
4764	11/21/2021	2	4	50.58	Yes	19.45	-31.13
4765	11/21/2021	2	5	49.94	Yes	19.45	-30.49
4766	11/21/2021	2	6	49.41	Yes	19.45	-29.96
4767	11/21/2021	2	7	48.25	Yes	19.45	-28.80
4768	11/21/2021	2	8	48.36	Yes	19.45	-28.91
4769	11/21/2021	2	9	48.80	Yes	19.45	-29.35
4770	11/21/2021	2	10	47.77	Yes	19.45	-28.32
4771	11/21/2021	2	11	47.71	Yes	19.45	-28.26
4772	11/21/2021	2	12	47.68	Yes	19.45	-28.23
4773	11/21/2021	3	1	47.35	Yes	19.45	-27.90
4774	11/21/2021	3	2	45.43	Yes	19.45	-25.98
4775	11/21/2021	3	3	45.44	Yes	19.45	-25.99
4776	11/21/2021	3	4	45.45	Yes	19.45	-26.00
4777	11/21/2021	3	5	45.45	Yes	19.45	-26.00
4778	11/21/2021	3	6	45.52	Yes	19.45	-26.07
4779	11/21/2021	3	7	45.03	Yes	19.45	-25.58
4780	11/21/2021	3	8	45.16	Yes	19.45	-25.71
4781	11/21/2021	3	9	45.03	Yes	19.45	-25.58
4782	11/21/2021	3	10	45.13	Yes	19.45	-25.68
4783	11/21/2021	3	11	46.06	Yes	19.45	-26.61
4784	11/21/2021	3	12	47.23	Yes	19.45	-27.78

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4785	11/21/2021	4	1	46.28	Yes	19.45	-26.83
4786	11/21/2021	4	2	46.28	Yes	19.45	-26.83
4787	11/21/2021	4	3	45.64	Yes	19.45	-26.19
4788	11/21/2021	4	4	45.52	Yes	19.45	-26.07
4789	11/21/2021	4	5	46.09	Yes	19.45	-26.64
4790	11/21/2021	4	6	45.82	Yes	19.45	-26.37
4791	11/21/2021	4	7	45.51	Yes	19.45	-26.06
4792	11/21/2021	4	8	45.70	Yes	19.45	-26.25
4793	11/21/2021	4	9	46.87	Yes	19.45	-27.42
4794	11/21/2021	4	10	47.42	Yes	19.45	-27.97
4795	11/21/2021	4	11	49.47	Yes	19.45	-30.02
4796	11/21/2021	4	12	48.96	Yes	19.45	-29.51
4797	11/21/2021	5	1	48.44	Yes	19.45	-28.99
4798	11/21/2021	5	2	47.31	Yes	19.45	-27.86
4799	11/21/2021	5	3	47.86	Yes	19.45	-28.41
4800	11/21/2021	5	4	48.40	Yes	19.45	-28.95
4801	11/21/2021	5	5	50.19	Yes	19.45	-30.74
4802	11/21/2021	5	6	50.28	Yes	19.45	-30.83
4803	11/21/2021	5	7	51.76	Yes	19.45	-32.31
4804	11/21/2021	5	8	50.67	Yes	19.45	-31.22
4805	11/21/2021	5	9	49.53	Yes	19.45	-30.08
4806	11/21/2021	5	10	50.32	Yes	19.45	-30.87
4807	11/21/2021	5	11	50.59	Yes	19.45	-31.14
4808	11/21/2021	5	12	51.69	Yes	19.45	-32.24
4809	11/21/2021	6	1	54.11	Yes	19.45	-34.66
4810	11/21/2021	6	2	52.54	Yes	19.45	-33.09
4811	11/21/2021	6	3	54.52	Yes	19.45	-35.07
4812	11/21/2021	6	4	56.21	Yes	19.45	-36.76
4813	11/21/2021	6	5	56.21	Yes	19.45	-36.76
4814	11/21/2021	6	6	57.40	Yes	19.45	-37.95
4815	11/21/2021	6	7	57.05	Yes	19.45	-37.60
4816	11/21/2021	6	8	60.07	Yes	19.45	-40.62
4817	11/21/2021	6	9	62.46	Yes	19.45	-43.01
4818	11/21/2021	6	10	64.25	Yes	19.45	-44.80
4819	11/21/2021	6	11	69.14	Yes	19.45	-49.69
4820	11/21/2021	6	12	67.99	Yes	19.45	-48.54
4821	11/21/2021	7	1	54.08	Yes	19.45	-34.63
4822	11/21/2021	7	2	54.08	Yes	19.45	-34.63

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4823	11/21/2021	7	3	54.17	Yes	19.45	-34.72
4824	11/21/2021	7	4	54.56	Yes	19.45	-35.11
4825	11/21/2021	7	5	55.98	Yes	19.45	-36.53
4826	11/21/2021	7	6	59.66	Yes	19.45	-40.21
4827	11/21/2021	7	7	67.45	Yes	19.45	-48.00
4828	11/21/2021	7	8	67.19	Yes	19.45	-47.74
4829	11/21/2021	7	9	65.29	Yes	19.45	-45.84
4830	11/21/2021	7	10	111.08	Yes	19.45	-91.63
4831	11/21/2021	7	11	289.79	Yes	19.45	-270.34
4832	11/21/2021	7	12	88.05	Yes	19.45	-68.60
4833	11/21/2021	8	1	397.64	Yes	19.45	-378.19
4834	11/21/2021	8	2	135.84	Yes	19.45	-116.39
4835	11/21/2021	8	3	90.35	Yes	19.45	-70.90
4836	11/21/2021	8	4	76.22	Yes	19.45	-56.77
4837	11/21/2021	8	5	78.05	Yes	19.45	-58.60
4838	11/21/2021	8	6	69.97	Yes	19.45	-50.52
4839	11/21/2021	8	7	56.67	Yes	19.45	-37.22
4840	11/21/2021	8	8	51.16	Yes	19.45	-31.71
4841	11/21/2021	8	9	48.05	Yes	19.45	-28.60
4842	11/21/2021	8	10	61.96	Yes	19.45	-42.51
4843	11/21/2021	8	11	54.84	Yes	19.45	-35.39
4844	11/21/2021	8	12	57.57	Yes	19.45	-38.12
4845	11/21/2021	9	1	58.87	Yes	19.45	-39.42
4846	11/21/2021	9	2	55.42	Yes	19.45	-35.97
4847	11/21/2021	9	3	61.57	Yes	19.45	-42.12
4848	11/21/2021	9	4	55.77	Yes	19.45	-36.32
4849	11/21/2021	9	5	57.35	Yes	19.45	-37.90
4850	11/21/2021	9	6	59.39	Yes	19.45	-39.94
4851	11/21/2021	9	7	64.09	Yes	19.45	-44.64
4852	11/21/2021	9	8	63.35	Yes	19.45	-43.90
4853	11/21/2021	9	9	62.53	Yes	19.45	-43.08
4854	11/21/2021	9	10	57.05	Yes	19.45	-37.60
4855	11/21/2021	9	11	54.26	Yes	19.45	-34.81
4856	11/21/2021	9	12	57.12	Yes	19.45	-37.67
4857	11/21/2021	10	1	56.72	Yes	19.45	-37.27
4858	11/21/2021	10	2	57.31	Yes	19.45	-37.86
4859	11/21/2021	10	3	59.87	Yes	19.45	-40.42
4860	11/21/2021	10	4	74.08	Yes	19.45	-54.63

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4861	11/21/2021	10	5	74.10	Yes	19.45	-54.65
4862	11/21/2021	10	6	70.91	Yes	19.45	-51.46
4863	11/21/2021	10	7	41.18	Yes	19.45	-21.73
4864	11/21/2021	10	8	42.93	Yes	19.45	-23.48
4865	11/21/2021	10	9	48.27	Yes	19.45	-28.82
4866	11/21/2021	10	10	38.28	Yes	19.45	-18.83
4867	11/21/2021	10	11	37.04	Yes	19.45	-17.59
4868	11/21/2021	10	12	13.53	Yes	19.45	5.92
4869	11/21/2021	11	1	75.16	Yes	19.45	-55.71
4870	11/21/2021	11	2	57.87	Yes	19.45	-38.42
4871	11/21/2021	11	3	70.12	Yes	19.45	-50.67
4872	11/21/2021	11	4	51.36	Yes	19.45	-31.91
4873	11/21/2021	11	5	53.42	Yes	19.45	-33.97
4874	11/21/2021	11	6	55.70	Yes	19.45	-36.25
4875	11/21/2021	11	7	52.37	Yes	19.45	-32.92
4876	11/21/2021	11	8	52.24	Yes	19.45	-32.79
4877	11/21/2021	11	9	53.61	Yes	19.45	-34.16
4878	11/21/2021	11	10	52.22	Yes	19.45	-32.77
4879	11/21/2021	11	11	58.10	Yes	19.45	-38.65
4880	11/21/2021	11	12	58.10	Yes	19.45	-38.65
4881	11/21/2021	12	1	54.82	Yes	19.45	-35.37
4882	11/21/2021	12	2	58.47	Yes	19.45	-39.02
4883	11/21/2021	12	3	55.59	Yes	19.45	-36.14
4884	11/21/2021	12	4	52.31	Yes	19.45	-32.86
4885	11/21/2021	12	5	52.75	Yes	19.45	-33.30
4886	11/21/2021	12	6	52.79	Yes	19.45	-33.34
4887	11/21/2021	12	7	52.59	Yes	19.45	-33.14
4888	11/21/2021	12	8	48.57	Yes	19.45	-29.12
4889	11/21/2021	12	9	51.97	Yes	19.45	-32.52
4890	11/21/2021	12	10	48.99	Yes	19.45	-29.54
4891	11/21/2021	12	11	48.38	Yes	19.45	-28.93
4892	11/21/2021	12	12	43.68	Yes	19.45	-24.23
4893	11/21/2021	13	1	43.33	Yes	19.45	-23.88
4894	11/21/2021	13	2	43.33	Yes	19.45	-23.88
4895	11/21/2021	13	3	46.44	Yes	19.45	-26.99
4896	11/21/2021	13	4	38.35	Yes	19.45	-18.90
4897	11/21/2021	13	5	44.14	Yes	19.45	-24.69
4898	11/21/2021	13	6	44.14	Yes	19.45	-24.69

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4899	11/21/2021	13	7	44.30	Yes	19.45	-24.85
4900	11/21/2021	13	8	45.15	Yes	19.45	-25.70
4901	11/21/2021	13	9	45.15	Yes	19.45	-25.70
4902	11/21/2021	13	10	45.01	Yes	19.45	-25.56
4903	11/21/2021	13	11	45.15	Yes	19.45	-25.70
4904	11/21/2021	13	12	45.32	Yes	19.45	-25.87
4905	11/21/2021	14	1	40.66	Yes	19.45	-21.21
4906	11/21/2021	14	2	43.66	Yes	19.45	-24.21
4907	11/21/2021	14	3	44.09	Yes	19.45	-24.64
4908	11/21/2021	14	4	31.06	Yes	19.45	-11.61
4909	11/21/2021	14	5	31.07	Yes	19.45	-11.62
4910	11/21/2021	14	6	23.78	Yes	19.45	-4.33
4911	11/21/2021	14	7	18.85	Yes	19.45	0.60
4912	11/21/2021	14	8	20.95	Yes	19.45	-1.50
4913	11/21/2021	14	9	37.70	Yes	19.45	-18.25
4914	11/21/2021	14	10	44.02	Yes	19.45	-24.57
4915	11/21/2021	14	11	44.90	Yes	19.45	-25.45
4916	11/21/2021	14	12	47.20	Yes	19.45	-27.75
4917	11/21/2021	15	1	44.94	Yes	19.45	-25.49
4918	11/21/2021	15	2	46.58	Yes	19.45	-27.13
4919	11/21/2021	15	3	46.58	Yes	19.45	-27.13
4920	11/21/2021	15	4	0.00	Yes	19.45	19.45
4921	11/21/2021	15	5	30.96	Yes	19.45	-11.51
4922	11/21/2021	15	6	20.17	Yes	19.45	-0.72
4923	11/21/2021	15	7	17.31	Yes	19.45	2.14
4924	11/21/2021	15	8	16.45	Yes	19.45	3.00
4925	11/21/2021	15	9	35.75	Yes	19.45	-16.30
4926	11/21/2021	15	10	37.48	Yes	19.45	-18.03
4927	11/21/2021	15	11	43.56	Yes	19.45	-24.11
4928	11/21/2021	15	12	45.06	Yes	19.45	-25.61
4929	11/21/2021	16	1	45.06	Yes	19.45	-25.61
4930	11/21/2021	16	2	31.83	Yes	19.45	-12.38
4931	11/21/2021	16	3	37.61	Yes	19.45	-18.16
4932	11/21/2021	16	4	42.89	Yes	19.45	-23.44
4933	11/21/2021	16	5	45.68	Yes	19.45	-26.23
4934	11/21/2021	16	6	50.44	Yes	19.45	-30.99
4935	11/21/2021	16	7	55.53	Yes	19.45	-36.08
4936	11/21/2021	16	8	62.02	Yes	19.45	-42.57

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4937	11/21/2021	16	9	74.05	Yes	19.45	-54.60
4938	11/21/2021	16	10	82.01	Yes	19.45	-62.56
4939	11/21/2021	16	11	118.56	Yes	19.45	-99.11
4940	11/21/2021	16	12	107.63	Yes	19.45	-88.18
4941	11/21/2021	17	1	42.27	Yes	19.45	-22.82
4942	11/21/2021	17	2	40.74	Yes	19.45	-21.29
4943	11/21/2021	17	3	42.40	Yes	19.45	-22.95
4944	11/21/2021	17	4	45.69	Yes	19.45	-26.24
4945	11/21/2021	17	5	47.76	Yes	19.45	-28.31
4946	11/21/2021	17	6	49.23	Yes	19.45	-29.78
4947	11/21/2021	17	7	52.32	Yes	19.45	-32.87
4948	11/21/2021	17	8	55.61	Yes	19.45	-36.16
4949	11/21/2021	17	9	56.24	Yes	19.45	-36.79
4950	11/21/2021	17	10	58.55	Yes	19.45	-39.10
4951	11/21/2021	17	11	60.17	Yes	19.45	-40.72
4952	11/21/2021	17	12	58.55	Yes	19.45	-39.10
4953	11/21/2021	18	1	46.36	Yes	19.45	-26.91
4954	11/21/2021	18	2	47.06	Yes	19.45	-27.61
4955	11/21/2021	18	3	49.10	Yes	19.45	-29.65
4956	11/21/2021	18	4	50.42	Yes	19.45	-30.97
4957	11/21/2021	18	5	50.64	Yes	19.45	-31.19
4958	11/21/2021	18	6	51.05	Yes	19.45	-31.60
4959	11/21/2021	18	7	52.50	Yes	19.45	-33.05
4960	11/21/2021	18	8	52.50	Yes	19.45	-33.05
4961	11/21/2021	18	9	52.45	Yes	19.45	-33.00
4962	11/21/2021	18	10	51.76	Yes	19.45	-32.31
4963	11/21/2021	18	11	51.76	Yes	19.45	-32.31
4964	11/21/2021	18	12	51.76	Yes	19.45	-32.31
4965	11/21/2021	19	1	51.93	Yes	19.45	-32.48
4966	11/21/2021	19	2	50.39	Yes	19.45	-30.94
4967	11/21/2021	19	3	49.67	Yes	19.45	-30.22
4968	11/21/2021	19	4	49.30	Yes	19.45	-29.85
4969	11/21/2021	19	5	48.23	Yes	19.45	-28.78
4970	11/21/2021	19	6	48.20	Yes	19.45	-28.75
4971	11/21/2021	19	7	50.01	Yes	19.45	-30.56
4972	11/21/2021	19	8	50.21	Yes	19.45	-30.76
4973	11/21/2021	19	9	50.31	Yes	19.45	-30.86
4974	11/21/2021	19	10	50.29	Yes	19.45	-30.84

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
4975	11/21/2021	19	11	50.13	Yes	19.45	-30.68
4976	11/21/2021	19	12	49.98	Yes	19.45	-30.53
4977	11/21/2021	20	1	52.59	Yes	19.45	-33.14
4978	11/21/2021	20	2	52.54	Yes	19.45	-33.09
4979	11/21/2021	20	3	51.29	Yes	19.45	-31.84
4980	11/21/2021	20	4	53.94	Yes	19.45	-34.49
4981	11/21/2021	20	5	53.00	Yes	19.45	-33.55
4982	11/21/2021	20	6	57.69	Yes	19.45	-38.24
4983	11/21/2021	20	7	60.12	Yes	19.45	-40.67
4984	11/21/2021	20	8	60.00	Yes	19.45	-40.55
4985	11/21/2021	20	9	60.70	Yes	19.45	-41.25
4986	11/21/2021	20	10	58.04	Yes	19.45	-38.59
4987	11/21/2021	20	11	58.31	Yes	19.45	-38.86
4988	11/21/2021	20	12	59.34	Yes	19.45	-39.89
4989	11/21/2021	21	1	68.49	Yes	19.45	-49.04
4990	11/21/2021	21	2	68.61	Yes	19.45	-49.16
4991	11/21/2021	21	3	68.61	Yes	19.45	-49.16
4992	11/21/2021	21	4	67.98	Yes	19.45	-48.53
4993	11/21/2021	21	5	71.56	Yes	19.45	-52.11
4994	11/21/2021	21	6	74.47	Yes	19.45	-55.02
4995	11/21/2021	21	7	75.73	Yes	19.45	-56.28
4996	11/21/2021	21	8	72.96	Yes	19.45	-53.51
4997	11/21/2021	21	9	72.28	Yes	19.45	-52.83
4998	11/21/2021	21	10	65.20	Yes	19.45	-45.75
4999	11/21/2021	21	11	61.22	Yes	19.45	-41.77
5000	11/21/2021	21	12	60.72	Yes	19.45	-41.27
5001	11/21/2021	22	1	70.53	Yes	19.45	-51.08
5002	11/21/2021	22	2	69.70	Yes	19.45	-50.25
5003	11/21/2021	22	3	62.40	Yes	19.45	-42.95
5004	11/21/2021	22	4	59.67	Yes	19.45	-40.22
5005	11/21/2021	22	5	60.10	Yes	19.45	-40.65
5006	11/21/2021	22	6	58.61	Yes	19.45	-39.16
5007	11/21/2021	22	7	55.61	Yes	19.45	-36.16
5008	11/21/2021	22	8	53.75	Yes	19.45	-34.30
5009	11/21/2021	22	9	52.24	Yes	19.45	-32.79
5010	11/21/2021	22	10	51.21	Yes	19.45	-31.76
5011	11/21/2021	22	11	50.83	Yes	19.45	-31.38
5012	11/21/2021	22	12	51.69	Yes	19.45	-32.24

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5013	11/21/2021	23	1	57.56	Yes	19.45	-38.11
5014	11/21/2021	23	2	60.16	Yes	19.45	-40.71
5015	11/21/2021	23	3	58.62	Yes	19.45	-39.17
5016	11/21/2021	23	4	55.83	Yes	19.45	-36.38
5017	11/21/2021	23	5	55.10	Yes	19.45	-35.65
5018	11/21/2021	23	6	54.91	Yes	19.45	-35.46
5019	11/21/2021	23	7	50.82	Yes	19.45	-31.37
5020	11/21/2021	23	8	54.53	Yes	19.45	-35.08
5021	11/21/2021	23	9	52.55	Yes	19.45	-33.10
5022	11/21/2021	23	10	49.56	Yes	19.45	-30.11
5023	11/21/2021	23	11	48.90	Yes	19.45	-29.45
5024	11/21/2021	23	12	48.90	Yes	19.45	-29.45
5025	11/21/2021	24	1	51.91	Yes	19.45	-32.46
5026	11/21/2021	24	2	52.34	Yes	19.45	-32.89
5027	11/21/2021	24	3	51.32	Yes	19.45	-31.87
5028	11/21/2021	24	4	51.06	Yes	19.45	-31.61
5029	11/21/2021	24	5	50.57	Yes	19.45	-31.12
5030	11/21/2021	24	6	50.57	Yes	19.45	-31.12
5031	11/21/2021	24	7	49.40	Yes	19.45	-29.95
5032	11/21/2021	24	8	48.69	Yes	19.45	-29.24
5033	11/21/2021	24	9	48.50	Yes	19.45	-29.05
5034	11/21/2021	24	10	47.48	Yes	19.45	-28.03
5035	11/21/2021	24	11	47.48	Yes	19.45	-28.03
5036	11/21/2021	24	12	46.23	Yes	19.45	-26.78
5037	11/22/2021	1	1	48.29	Yes	19.45	-28.84
5038	11/22/2021	1	2	47.96	Yes	19.45	-28.51
5039	11/22/2021	1	3	48.12	Yes	19.45	-28.67
5040	11/22/2021	1	4	48.46	Yes	19.45	-29.01
5041	11/22/2021	1	5	48.17	Yes	19.45	-28.72
5042	11/22/2021	1	6	48.28	Yes	19.45	-28.83
5043	11/22/2021	1	7	45.35	Yes	19.45	-25.90
5044	11/22/2021	1	8	45.35	Yes	19.45	-25.90
5045	11/22/2021	1	9	45.35	Yes	19.45	-25.90
5046	11/22/2021	1	10	43.86	Yes	19.45	-24.41
5047	11/22/2021	1	11	44.10	Yes	19.45	-24.65
5048	11/22/2021	1	12	44.81	Yes	19.45	-25.36
5049	11/22/2021	2	1	46.09	Yes	19.45	-26.64
5050	11/22/2021	2	2	46.05	Yes	19.45	-26.60



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5051	11/22/2021	2	3	46.09	Yes	19.45	-26.64
5052	11/22/2021	2	4	46.03	Yes	19.45	-26.58
5053	11/22/2021	2	5	46.03	Yes	19.45	-26.58
5054	11/22/2021	2	6	46.01	Yes	19.45	-26.56
5055	11/22/2021	2	7	52.55	Yes	19.45	-33.10
5056	11/22/2021	2	8	52.55	Yes	19.45	-33.10
5057	11/22/2021	2	9	52.55	Yes	19.45	-33.10
5058	11/22/2021	2	10	52.01	Yes	19.45	-32.56
5059	11/22/2021	2	11	51.77	Yes	19.45	-32.32
5060	11/22/2021	2	12	51.53	Yes	19.45	-32.08
5061	11/22/2021	3	1	52.14	Yes	19.45	-32.69
5062	11/22/2021	3	2	52.14	Yes	19.45	-32.69
5063	11/22/2021	3	3	52.14	Yes	19.45	-32.69
5064	11/22/2021	3	4	52.10	Yes	19.45	-32.65
5065	11/22/2021	3	5	52.12	Yes	19.45	-32.67
5066	11/22/2021	3	6	52.10	Yes	19.45	-32.65
5067	11/22/2021	3	7	52.32	Yes	19.45	-32.87
5068	11/22/2021	3	8	52.32	Yes	19.45	-32.87
5069	11/22/2021	3	9	52.32	Yes	19.45	-32.87
5070	11/22/2021	3	10	52.19	Yes	19.45	-32.74
5071	11/22/2021	3	11	52.19	Yes	19.45	-32.74
5072	11/22/2021	3	12	52.19	Yes	19.45	-32.74
5073	11/22/2021	4	1	50.84	Yes	19.45	-31.39
5074	11/22/2021	4	2	51.42	Yes	19.45	-31.97
5075	11/22/2021	4	3	51.36	Yes	19.45	-31.91
5076	11/22/2021	4	4	51.79	Yes	19.45	-32.34
5077	11/22/2021	4	5	51.79	Yes	19.45	-32.34
5078	11/22/2021	4	6	51.92	Yes	19.45	-32.47
5079	11/22/2021	4	7	52.51	Yes	19.45	-33.06
5080	11/22/2021	4	8	52.51	Yes	19.45	-33.06
5081	11/22/2021	4	9	52.44	Yes	19.45	-32.99
5082	11/22/2021	4	10	52.42	Yes	19.45	-32.97
5083	11/22/2021	4	11	52.22	Yes	19.45	-32.77
5084	11/22/2021	4	12	52.20	Yes	19.45	-32.75
5085	11/22/2021	5	1	49.89	Yes	19.45	-30.44
5086	11/22/2021	5	2	50.02	Yes	19.45	-30.57
5087	11/22/2021	5	3	50.15	Yes	19.45	-30.70
5088	11/22/2021	5	4	51.06	Yes	19.45	-31.61

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5089	11/22/2021	5	5	51.33	Yes	19.45	-31.88
5090	11/22/2021	5	6	51.94	Yes	19.45	-32.49
5091	11/22/2021	5	7	52.55	Yes	19.45	-33.10
5092	11/22/2021	5	8	54.03	Yes	19.45	-34.58
5093	11/22/2021	5	9	53.55	Yes	19.45	-34.10
5094	11/22/2021	5	10	54.25	Yes	19.45	-34.80
5095	11/22/2021	5	11	55.34	Yes	19.45	-35.89
5096	11/22/2021	5	12	54.29	Yes	19.45	-34.84
5097	11/22/2021	6	1	51.74	Yes	19.45	-32.29
5098	11/22/2021	6	2	51.76	Yes	19.45	-32.31
5099	11/22/2021	6	3	53.05	Yes	19.45	-33.60
5100	11/22/2021	6	4	54.31	Yes	19.45	-34.86
5101	11/22/2021	6	5	54.31	Yes	19.45	-34.86
5102	11/22/2021	6	10	52.04	Yes	19.45	-32.59
5103	11/22/2021	6	11	52.32	Yes	19.45	-32.87
5104	11/22/2021	6	12	54.15	Yes	19.45	-34.70
5105	11/22/2021	7	1	50.62	Yes	19.45	-31.17
5106	11/22/2021	7	2	50.72	Yes	19.45	-31.27
5107	11/22/2021	7	3	53.36	Yes	19.45	-33.91
5108	11/22/2021	7	4	56.66	Yes	19.45	-37.21
5109	11/22/2021	7	5	56.84	Yes	19.45	-37.39
5110	11/22/2021	7	6	56.88	Yes	19.45	-37.43
5111	11/22/2021	7	7	58.13	Yes	19.45	-38.68
5112	11/22/2021	7	8	58.49	Yes	19.45	-39.04
5113	11/22/2021	7	9	62.14	Yes	19.45	-42.69
5114	11/22/2021	7	10	59.58	Yes	19.45	-40.13
5115	11/22/2021	7	11	63.91	Yes	19.45	-44.46
5116	11/22/2021	7	12	63.48	Yes	19.45	-44.03
5117	11/22/2021	8	1	82.68	Yes	19.45	-63.23
5118	11/22/2021	8	2	94.71	Yes	19.45	-75.26
5119	11/22/2021	8	3	75.57	Yes	19.45	-56.12
5120	11/22/2021	8	4	64.28	Yes	19.45	-44.83
5121	11/22/2021	8	5	58.25	Yes	19.45	-38.80
5122	11/22/2021	8	6	53.84	Yes	19.45	-34.39
5123	11/22/2021	8	7	53.77	Yes	19.45	-34.32
5124	11/22/2021	8	8	48.47	Yes	19.45	-29.02
5125	11/22/2021	8	9	44.66	Yes	19.45	-25.21
5126	11/22/2021	8	10	34.78	Yes	19.45	-15.33

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5127	11/22/2021	8	11	34.78	Yes	19.45	-15.33
5128	11/22/2021	8	12	36.20	Yes	19.45	-16.75
5129	11/22/2021	9	1	48.57	Yes	19.45	-29.12
5130	11/22/2021	9	2	50.62	Yes	19.45	-31.17
5131	11/22/2021	9	3	52.29	Yes	19.45	-32.84
5132	11/22/2021	9	4	46.41	Yes	19.45	-26.96
5133	11/22/2021	9	5	55.85	Yes	19.45	-36.40
5134	11/22/2021	9	6	45.57	Yes	19.45	-26.12
5135	11/22/2021	9	7	55.12	Yes	19.45	-35.67
5136	11/22/2021	9	8	52.36	Yes	19.45	-32.91
5137	11/22/2021	9	9	51.78	Yes	19.45	-32.33
5138	11/22/2021	9	10	49.03	Yes	19.45	-29.58
5139	11/22/2021	9	11	49.52	Yes	19.45	-30.07
5140	11/22/2021	9	12	49.19	Yes	19.45	-29.74
5141	11/22/2021	10	1	54.64	Yes	19.45	-35.19
5142	11/22/2021	10	2	53.91	Yes	19.45	-34.46
5143	11/22/2021	10	3	50.29	Yes	19.45	-30.84
5144	11/22/2021	10	4	42.83	Yes	19.45	-23.38
5145	11/22/2021	10	5	35.21	Yes	19.45	-15.76
5146	11/22/2021	10	6	45.70	Yes	19.45	-26.25
5147	11/22/2021	10	7	43.48	Yes	19.45	-24.03
5148	11/22/2021	10	8	44.17	Yes	19.45	-24.72
5149	11/22/2021	10	9	38.29	Yes	19.45	-18.84
5150	11/22/2021	10	10	33.94	Yes	19.45	-14.49
5151	11/22/2021	10	11	33.03	Yes	19.45	-13.58
5152	11/22/2021	10	12	33.94	Yes	19.45	-14.49
5153	11/22/2021	11	1	35.81	Yes	19.45	-16.36
5154	11/22/2021	11	2	43.12	Yes	19.45	-23.67
5155	11/22/2021	11	3	43.39	Yes	19.45	-23.94
5156	11/22/2021	11	4	40.06	Yes	19.45	-20.61
5157	11/22/2021	11	5	39.40	Yes	19.45	-19.95
5158	11/22/2021	11	6	39.74	Yes	19.45	-20.29
5159	11/22/2021	11	7	40.27	Yes	19.45	-20.82
5160	11/22/2021	11	8	40.43	Yes	19.45	-20.98
5161	11/22/2021	11	9	37.61	Yes	19.45	-18.16
5162	11/22/2021	11	10	37.39	Yes	19.45	-17.94
5163	11/22/2021	11	11	42.68	Yes	19.45	-23.23
5164	11/22/2021	11	12	41.11	Yes	19.45	-21.66

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5165	11/22/2021	12	1	29.27	Yes	19.45	-9.82
5166	11/22/2021	12	2	37.02	Yes	19.45	-17.57
5167	11/22/2021	12	3	38.07	Yes	19.45	-18.62
5168	11/22/2021	12	4	37.79	Yes	19.45	-18.34
5169	11/22/2021	12	5	30.71	Yes	19.45	-11.26
5170	11/22/2021	12	6	37.05	Yes	19.45	-17.60
5171	11/22/2021	12	7	28.06	Yes	19.45	-8.61
5172	11/22/2021	12	8	29.31	Yes	19.45	-9.86
5173	11/22/2021	12	9	39.13	Yes	19.45	-19.68
5174	11/22/2021	12	10	28.09	Yes	19.45	-8.64
5175	11/22/2021	12	11	23.12	Yes	19.45	-3.67
5176	11/22/2021	12	12	30.68	Yes	19.45	-11.23
5177	11/22/2021	13	1	37.09	Yes	19.45	-17.64
5178	11/22/2021	13	2	39.04	Yes	19.45	-19.59
5179	11/22/2021	13	3	40.24	Yes	19.45	-20.79
5180	11/22/2021	13	4	40.36	Yes	19.45	-20.91
5181	11/22/2021	13	5	40.47	Yes	19.45	-21.02
5182	11/22/2021	13	6	41.37	Yes	19.45	-21.92
5183	11/22/2021	13	7	44.59	Yes	19.45	-25.14
5184	11/22/2021	13	8	44.59	Yes	19.45	-25.14
5185	11/22/2021	13	9	45.31	Yes	19.45	-25.86
5186	11/22/2021	13	10	45.40	Yes	19.45	-25.95
5187	11/22/2021	13	11	47.03	Yes	19.45	-27.58
5188	11/22/2021	13	12	47.09	Yes	19.45	-27.64
5189	11/22/2021	14	1	42.61	Yes	19.45	-23.16
5190	11/22/2021	14	2	42.70	Yes	19.45	-23.25
5191	11/22/2021	14	3	43.14	Yes	19.45	-23.69
5192	11/22/2021	14	4	43.48	Yes	19.45	-24.03
5193	11/22/2021	14	5	45.07	Yes	19.45	-25.62
5194	11/22/2021	14	6	46.27	Yes	19.45	-26.82
5195	11/22/2021	14	7	45.97	Yes	19.45	-26.52
5196	11/22/2021	14	8	46.58	Yes	19.45	-27.13
5197	11/22/2021	14	9	46.18	Yes	19.45	-26.73
5198	11/22/2021	14	10	46.80	Yes	19.45	-27.35
5199	11/22/2021	14	11	46.77	Yes	19.45	-27.32
5200	11/22/2021	14	12	47.60	Yes	19.45	-28.15
5201	11/22/2021	15	1	46.94	Yes	19.45	-27.49
5202	11/22/2021	15	2	48.34	Yes	19.45	-28.89

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5203	11/22/2021	15	3	48.90	Yes	19.45	-29.45
5204	11/22/2021	15	4	49.33	Yes	19.45	-29.88
5205	11/22/2021	15	5	51.36	Yes	19.45	-31.91
5206	11/22/2021	15	6	55.91	Yes	19.45	-36.46
5207	11/22/2021	15	7	67.27	Yes	19.45	-47.82
5208	11/22/2021	15	8	69.08	Yes	19.45	-49.63
5209	11/22/2021	15	9	66.88	Yes	19.45	-47.43
5210	11/22/2021	15	10	66.19	Yes	19.45	-46.74
5211	11/22/2021	15	11	66.60	Yes	19.45	-47.15
5212	11/22/2021	15	12	64.37	Yes	19.45	-44.92
5213	11/22/2021	16	1	58.49	Yes	19.45	-39.04
5214	11/22/2021	16	2	55.30	Yes	19.45	-35.85
5215	11/22/2021	16	3	58.84	Yes	19.45	-39.39
5216	11/22/2021	16	4	62.19	Yes	19.45	-42.74
5217	11/22/2021	16	5	63.75	Yes	19.45	-44.30
5218	11/22/2021	16	6	64.04	Yes	19.45	-44.59
5219	11/22/2021	16	7	66.88	Yes	19.45	-47.43
5220	11/22/2021	16	8	71.03	Yes	19.45	-51.58
5221	11/22/2021	16	9	71.03	Yes	19.45	-51.58
5222	11/22/2021	16	10	75.96	Yes	19.45	-56.51
5223	11/22/2021	16	11	84.57	Yes	19.45	-65.12
5224	11/22/2021	16	12	86.77	Yes	19.45	-67.32
5225	11/22/2021	17	1	49.07	Yes	19.45	-29.62
5226	11/22/2021	17	2	46.62	Yes	19.45	-27.17
5227	11/22/2021	17	3	46.68	Yes	19.45	-27.23
5228	11/22/2021	17	4	48.56	Yes	19.45	-29.11
5229	11/22/2021	17	5	49.22	Yes	19.45	-29.77
5230	11/22/2021	17	6	51.45	Yes	19.45	-32.00
5231	11/22/2021	17	7	52.63	Yes	19.45	-33.18
5232	11/22/2021	17	8	54.81	Yes	19.45	-35.36
5233	11/22/2021	17	9	57.25	Yes	19.45	-37.80
5234	11/22/2021	17	10	56.79	Yes	19.45	-37.34
5235	11/22/2021	17	11	56.79	Yes	19.45	-37.34
5236	11/22/2021	17	12	56.26	Yes	19.45	-36.81
5237	11/22/2021	18	1	52.63	Yes	19.45	-33.18
5238	11/22/2021	18	2	52.03	Yes	19.45	-32.58
5239	11/22/2021	18	3	52.92	Yes	19.45	-33.47
5240	11/22/2021	18	4	53.45	Yes	19.45	-34.00

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5241	11/22/2021	18	5	54.21	Yes	19.45	-34.76
5242	11/22/2021	18	6	54.37	Yes	19.45	-34.92
5243	11/22/2021	18	7	55.17	Yes	19.45	-35.72
5244	11/22/2021	18	8	54.36	Yes	19.45	-34.91
5245	11/22/2021	18	9	54.32	Yes	19.45	-34.87
5246	11/22/2021	18	10	54.04	Yes	19.45	-34.59
5247	11/22/2021	18	11	54.11	Yes	19.45	-34.66
5248	11/22/2021	18	12	54.20	Yes	19.45	-34.75
5249	11/22/2021	19	1	58.46	Yes	19.45	-39.01
5250	11/22/2021	19	2	56.08	Yes	19.45	-36.63
5251	11/22/2021	19	3	55.47	Yes	19.45	-36.02
5252	11/22/2021	19	4	55.40	Yes	19.45	-35.95
5253	11/22/2021	19	5	55.99	Yes	19.45	-36.54
5254	11/22/2021	19	6	58.12	Yes	19.45	-38.67
5255	11/22/2021	19	7	58.46	Yes	19.45	-39.01
5256	11/22/2021	19	8	58.65	Yes	19.45	-39.20
5257	11/22/2021	19	9	57.51	Yes	19.45	-38.06
5258	11/22/2021	19	10	57.84	Yes	19.45	-38.39
5259	11/22/2021	19	11	56.94	Yes	19.45	-37.49
5260	11/22/2021	19	12	57.06	Yes	19.45	-37.61
5261	11/22/2021	20	1	62.43	Yes	19.45	-42.98
5262	11/22/2021	20	2	61.45	Yes	19.45	-42.00
5263	11/22/2021	20	3	59.99	Yes	19.45	-40.54
5264	11/22/2021	20	4	59.51	Yes	19.45	-40.06
5265	11/22/2021	20	5	59.80	Yes	19.45	-40.35
5266	11/22/2021	20	6	59.70	Yes	19.45	-40.25
5267	11/22/2021	20	7	59.06	Yes	19.45	-39.61
5268	11/22/2021	20	8	59.06	Yes	19.45	-39.61
5269	11/22/2021	20	9	59.06	Yes	19.45	-39.61
5270	11/22/2021	20	10	58.58	Yes	19.45	-39.13
5271	11/22/2021	20	11	58.58	Yes	19.45	-39.13
5272	11/22/2021	20	12	58.58	Yes	19.45	-39.13
5273	11/22/2021	21	1	68.58	Yes	19.45	-49.13
5274	11/22/2021	21	2	69.56	Yes	19.45	-50.11
5275	11/22/2021	21	3	65.96	Yes	19.45	-46.51
5276	11/22/2021	21	4	65.20	Yes	19.45	-45.75
5277	11/22/2021	21	5	62.35	Yes	19.45	-42.90
5278	11/22/2021	21	6	61.36	Yes	19.45	-41.91

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5279	11/22/2021	21	7	63.46	Yes	19.45	-44.01
5280	11/22/2021	21	8	60.22	Yes	19.45	-40.77
5281	11/22/2021	21	9	58.89	Yes	19.45	-39.44
5282	11/22/2021	21	10	54.50	Yes	19.45	-35.05
5283	11/22/2021	21	11	54.84	Yes	19.45	-35.39
5284	11/22/2021	21	12	54.17	Yes	19.45	-34.72
5285	11/22/2021	22	1	60.65	Yes	19.45	-41.20
5286	11/22/2021	22	2	61.18	Yes	19.45	-41.73
5287	11/22/2021	22	3	58.69	Yes	19.45	-39.24
5288	11/22/2021	22	4	58.40	Yes	19.45	-38.95
5289	11/22/2021	22	5	57.02	Yes	19.45	-37.57
5290	11/22/2021	22	6	57.92	Yes	19.45	-38.47
5291	11/22/2021	22	7	55.56	Yes	19.45	-36.11
5292	11/22/2021	22	8	54.08	Yes	19.45	-34.63
5293	11/22/2021	22	9	52.79	Yes	19.45	-33.34
5294	11/22/2021	22	10	55.27	Yes	19.45	-35.82
5295	11/22/2021	22	11	54.93	Yes	19.45	-35.48
5296	11/22/2021	22	12	58.15	Yes	19.45	-38.70
5297	11/22/2021	23	1	79.00	Yes	19.45	-59.55
5298	11/22/2021	23	2	79.00	Yes	19.45	-59.55
5299	11/22/2021	23	3	79.00	Yes	19.45	-59.55
5300	11/22/2021	23	4	64.54	Yes	19.45	-45.09
5301	11/22/2021	23	5	60.46	Yes	19.45	-41.01
5302	11/22/2021	23	6	59.45	Yes	19.45	-40.00
5303	11/22/2021	23	7	57.67	Yes	19.45	-38.22
5304	11/22/2021	23	8	56.44	Yes	19.45	-36.99
5305	11/22/2021	23	9	54.15	Yes	19.45	-34.70
5306	11/22/2021	23	10	53.53	Yes	19.45	-34.08
5307	11/22/2021	23	11	55.86	Yes	19.45	-36.41
5308	11/22/2021	23	12	57.13	Yes	19.45	-37.68
5309	11/22/2021	24	1	59.40	Yes	19.45	-39.95
5310	11/22/2021	24	2	57.61	Yes	19.45	-38.16
5311	11/22/2021	24	3	57.78	Yes	19.45	-38.33
5312	11/22/2021	24	4	60.99	Yes	19.45	-41.54
5313	11/22/2021	24	5	50.95	Yes	19.45	-31.50
5314	11/22/2021	24	6	50.73	Yes	19.45	-31.28
5315	11/22/2021	24	7	49.18	Yes	19.45	-29.73
5316	11/22/2021	24	8	47.67	Yes	19.45	-28.22

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5317	11/22/2021	24	9	46.14	Yes	19.45	-26.69
5318	11/22/2021	24	10	45.73	Yes	19.45	-26.28
5319	11/22/2021	24	11	45.44	Yes	19.45	-25.99
5320	11/22/2021	24	12	45.17	Yes	19.45	-25.72
5321	11/23/2021	1	1	53.30	Yes	18.82	-34.48
5322	11/23/2021	1	2	57.31	Yes	18.82	-38.49
5323	11/23/2021	1	3	57.66	Yes	18.82	-38.84
5324	11/23/2021	1	4	54.85	Yes	18.82	-36.03
5325	11/23/2021	1	5	52.91	Yes	18.82	-34.09
5326	11/23/2021	1	6	53.03	Yes	18.82	-34.21
5327	11/23/2021	1	7	51.43	Yes	18.82	-32.61
5328	11/23/2021	1	8	51.51	Yes	18.82	-32.69
5329	11/23/2021	1	9	49.63	Yes	18.82	-30.81
5330	11/23/2021	1	10	48.69	Yes	18.82	-29.87
5331	11/23/2021	1	11	49.74	Yes	18.82	-30.92
5332	11/23/2021	1	12	48.71	Yes	18.82	-29.89
5333	11/23/2021	2	1	47.13	Yes	18.82	-28.31
5334	11/23/2021	2	2	46.34	Yes	18.82	-27.52
5335	11/23/2021	2	3	47.13	Yes	18.82	-28.31
5336	11/23/2021	2	4	46.00	Yes	18.82	-27.18
5337	11/23/2021	2	5	45.48	Yes	18.82	-26.66
5338	11/23/2021	2	6	45.49	Yes	18.82	-26.67
5339	11/23/2021	2	7	46.00	Yes	18.82	-27.18
5340	11/23/2021	2	8	45.90	Yes	18.82	-27.08
5341	11/23/2021	2	9	44.33	Yes	18.82	-25.51
5342	11/23/2021	2	10	47.02	Yes	18.82	-28.20
5343	11/23/2021	2	11	45.68	Yes	18.82	-26.86
5344	11/23/2021	2	12	45.67	Yes	18.82	-26.85
5345	11/23/2021	3	1	46.30	Yes	18.82	-27.48
5346	11/23/2021	3	2	46.20	Yes	18.82	-27.38
5347	11/23/2021	3	3	46.20	Yes	18.82	-27.38
5348	11/23/2021	3	4	48.15	Yes	18.82	-29.33
5349	11/23/2021	3	5	46.69	Yes	18.82	-27.87
5350	11/23/2021	3	6	46.75	Yes	18.82	-27.93
5351	11/23/2021	3	7	46.15	Yes	18.82	-27.33
5352	11/23/2021	3	8	46.14	Yes	18.82	-27.32
5353	11/23/2021	3	9	45.01	Yes	18.82	-26.19
5354	11/23/2021	3	10	45.80	Yes	18.82	-26.98



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5355	11/23/2021	3	11	46.17	Yes	18.82	-27.35
5356	11/23/2021	3	12	45.15	Yes	18.82	-26.33
5357	11/23/2021	4	1	45.01	Yes	18.82	-26.19
5358	11/23/2021	4	2	44.83	Yes	18.82	-26.01
5359	11/23/2021	4	3	44.79	Yes	18.82	-25.97
5360	11/23/2021	4	4	44.83	Yes	18.82	-26.01
5361	11/23/2021	4	5	44.81	Yes	18.82	-25.99
5362	11/23/2021	4	6	44.83	Yes	18.82	-26.01
5363	11/23/2021	4	7	44.87	Yes	18.82	-26.05
5364	11/23/2021	4	8	44.97	Yes	18.82	-26.15
5365	11/23/2021	4	9	44.87	Yes	18.82	-26.05
5366	11/23/2021	4	10	44.97	Yes	18.82	-26.15
5367	11/23/2021	4	11	44.97	Yes	18.82	-26.15
5368	11/23/2021	4	12	44.23	Yes	18.82	-25.41
5369	11/23/2021	5	1	42.65	Yes	18.82	-23.83
5370	11/23/2021	5	2	43.29	Yes	18.82	-24.47
5371	11/23/2021	5	3	43.30	Yes	18.82	-24.48
5372	11/23/2021	5	4	43.88	Yes	18.82	-25.06
5373	11/23/2021	5	5	43.54	Yes	18.82	-24.72
5374	11/23/2021	5	6	43.54	Yes	18.82	-24.72
5375	11/23/2021	5	7	44.05	Yes	18.82	-25.23
5376	11/23/2021	5	8	43.98	Yes	18.82	-25.16
5377	11/23/2021	5	9	44.42	Yes	18.82	-25.60
5378	11/23/2021	5	10	44.42	Yes	18.82	-25.60
5379	11/23/2021	5	11	44.42	Yes	18.82	-25.60
5380	11/23/2021	5	12	44.05	Yes	18.82	-25.23
5381	11/23/2021	6	1	40.02	Yes	18.82	-21.20
5382	11/23/2021	6	2	41.00	Yes	18.82	-22.18
5383	11/23/2021	6	3	41.00	Yes	18.82	-22.18
5384	11/23/2021	6	4	42.29	Yes	18.82	-23.47
5385	11/23/2021	6	5	43.22	Yes	18.82	-24.40
5386	11/23/2021	6	6	43.48	Yes	18.82	-24.66
5387	11/23/2021	6	7	45.29	Yes	18.82	-26.47
5388	11/23/2021	6	8	45.40	Yes	18.82	-26.58
5389	11/23/2021	6	9	45.54	Yes	18.82	-26.72
5390	11/23/2021	6	10	45.64	Yes	18.82	-26.82
5391	11/23/2021	6	11	46.14	Yes	18.82	-27.32
5392	11/23/2021	6	12	46.84	Yes	18.82	-28.02

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5393	11/23/2021	7	1	47.15	Yes	18.82	-28.33
5394	11/23/2021	7	2	46.70	Yes	18.82	-27.88
5395	11/23/2021	7	3	47.15	Yes	18.82	-28.33
5396	11/23/2021	7	4	47.77	Yes	18.82	-28.95
5397	11/23/2021	7	5	47.88	Yes	18.82	-29.06
5398	11/23/2021	7	6	47.87	Yes	18.82	-29.05
5399	11/23/2021	7	7	48.49	Yes	18.82	-29.67
5400	11/23/2021	7	8	48.17	Yes	18.82	-29.35
5401	11/23/2021	8	1	54.24	Yes	18.82	-35.42
5402	11/23/2021	8	2	58.33	Yes	18.82	-39.51
5403	11/23/2021	8	3	54.49	Yes	18.82	-35.67
5404	11/23/2021	8	4	54.08	Yes	18.82	-35.26
5405	11/23/2021	8	5	52.02	Yes	18.82	-33.20
5406	11/23/2021	8	6	46.82	Yes	18.82	-28.00
5407	11/23/2021	8	7	46.40	Yes	18.82	-27.58
5408	11/23/2021	8	8	45.03	Yes	18.82	-26.21
5409	11/23/2021	8	9	41.89	Yes	18.82	-23.07
5410	11/23/2021	8	10	41.01	Yes	18.82	-22.19
5411	11/23/2021	8	11	40.13	Yes	18.82	-21.31
5412	11/23/2021	8	12	40.08	Yes	18.82	-21.26
5413	11/23/2021	9	1	46.10	Yes	18.82	-27.28
5414	11/23/2021	9	2	48.69	Yes	18.82	-29.87
5415	11/23/2021	9	3	46.77	Yes	18.82	-27.95
5416	11/23/2021	9	4	43.68	Yes	18.82	-24.86
5417	11/23/2021	9	5	41.46	Yes	18.82	-22.64
5418	11/23/2021	9	6	40.09	Yes	18.82	-21.27
5419	11/23/2021	9	7	39.98	Yes	18.82	-21.16
5420	11/23/2021	9	8	39.98	Yes	18.82	-21.16
5421	11/23/2021	9	9	39.02	Yes	18.82	-20.20
5422	11/23/2021	9	10	40.13	Yes	18.82	-21.31
5423	11/23/2021	9	11	39.58	Yes	18.82	-20.76
5424	11/23/2021	9	12	37.26	Yes	18.82	-18.44
5425	11/23/2021	10	1	44.02	Yes	18.82	-25.20
5426	11/23/2021	10	2	41.08	Yes	18.82	-22.26
5427	11/23/2021	10	3	41.08	Yes	18.82	-22.26
5428	11/23/2021	10	4	41.22	Yes	18.82	-22.40
5429	11/23/2021	10	5	40.21	Yes	18.82	-21.39
5430	11/23/2021	10	6	40.21	Yes	18.82	-21.39

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5431	11/23/2021	10	7	38.69	Yes	18.82	-19.87
5432	11/23/2021	10	8	39.28	Yes	18.82	-20.46
5433	11/23/2021	10	9	39.28	Yes	18.82	-20.46
5434	11/23/2021	10	10	38.57	Yes	18.82	-19.75
5435	11/23/2021	10	11	38.57	Yes	18.82	-19.75
5436	11/23/2021	10	12	37.36	Yes	18.82	-18.54
5437	11/23/2021	11	1	39.34	Yes	18.82	-20.52
5438	11/23/2021	11	2	34.51	Yes	18.82	-15.69
5439	11/23/2021	11	3	38.27	Yes	18.82	-19.45
5440	11/23/2021	11	4	38.00	Yes	18.82	-19.18
5441	11/23/2021	11	5	38.15	Yes	18.82	-19.33
5442	11/23/2021	11	6	38.15	Yes	18.82	-19.33
5443	11/23/2021	11	7	36.45	Yes	18.82	-17.63
5444	11/23/2021	11	8	35.53	Yes	18.82	-16.71
5445	11/23/2021	11	9	35.72	Yes	18.82	-16.90
5446	11/23/2021	11	10	35.79	Yes	18.82	-16.97
5447	11/23/2021	11	11	35.79	Yes	18.82	-16.97
5448	11/23/2021	11	12	31.66	Yes	18.82	-12.84
5449	11/23/2021	12	1	27.54	Yes	18.82	-8.72
5450	11/23/2021	12	2	29.23	Yes	18.82	-10.41
5451	11/23/2021	12	3	29.29	Yes	18.82	-10.47
5452	11/23/2021	12	4	26.96	Yes	18.82	-8.14
5453	11/23/2021	12	5	25.79	Yes	18.82	-6.97
5454	11/23/2021	12	6	26.79	Yes	18.82	-7.97
5455	11/23/2021	12	7	26.44	Yes	18.82	-7.62
5456	11/23/2021	12	8	26.41	Yes	18.82	-7.59
5457	11/23/2021	12	9	25.64	Yes	18.82	-6.82
5458	11/23/2021	12	10	25.57	Yes	18.82	-6.75
5459	11/23/2021	12	11	25.57	Yes	18.82	-6.75
5460	11/23/2021	12	12	25.57	Yes	18.82	-6.75
5461	11/23/2021	13	1	26.29	Yes	18.82	-7.47
5462	11/23/2021	13	2	26.44	Yes	18.82	-7.62
5463	11/23/2021	13	3	25.35	Yes	18.82	-6.53
5464	11/23/2021	13	4	26.24	Yes	18.82	-7.42
5465	11/23/2021	13	5	22.85	Yes	18.82	-4.03
5466	11/23/2021	13	6	19.50	Yes	18.82	-0.68
5467	11/23/2021	13	7	15.79	Yes	18.82	3.03
5468	11/23/2021	13	8	21.66	Yes	18.82	-2.84

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5469	11/23/2021	13	9	18.91	Yes	18.82	-0.09
5470	11/23/2021	13	10	0.00	Yes	18.82	18.82
5471	11/23/2021	13	11	0.00	Yes	18.82	18.82
5472	11/23/2021	13	12	3.69	Yes	18.82	15.13
5473	11/23/2021	14	1	14.67	Yes	18.82	4.15
5474	11/23/2021	14	2	0.00	Yes	18.82	18.82
5475	11/23/2021	14	3	-0.01	Yes	18.82	18.83
5476	11/23/2021	14	4	-0.01	Yes	18.82	18.83
5477	11/23/2021	14	5	-0.01	Yes	18.82	18.83
5478	11/23/2021	14	6	0.00	Yes	18.82	18.82
5479	11/23/2021	14	7	-0.01	Yes	18.82	18.83
5480	11/23/2021	14	8	0.00	Yes	18.82	18.82
5481	11/23/2021	14	9	0.00	Yes	18.82	18.82
5482	11/23/2021	14	10	1.03	Yes	18.82	17.79
5483	11/23/2021	14	11	1.03	Yes	18.82	17.79
5484	11/23/2021	14	12	1.03	Yes	18.82	17.79
5485	11/23/2021	15	1	24.87	Yes	18.82	-6.05
5486	11/23/2021	15	2	24.22	Yes	18.82	-5.40
5487	11/23/2021	15	3	25.79	Yes	18.82	-6.97
5488	11/23/2021	15	4	24.44	Yes	18.82	-5.62
5489	11/23/2021	15	5	21.97	Yes	18.82	-3.15
5490	11/23/2021	15	6	24.91	Yes	18.82	-6.09
5491	11/23/2021	15	7	24.91	Yes	18.82	-6.09
5492	11/23/2021	15	8	24.91	Yes	18.82	-6.09
5493	11/23/2021	15	9	29.40	Yes	18.82	-10.58
5494	11/23/2021	15	10	29.36	Yes	18.82	-10.54
5495	11/23/2021	15	11	34.50	Yes	18.82	-15.68
5496	11/23/2021	15	12	36.43	Yes	18.82	-17.61
5497	11/23/2021	16	1	24.41	Yes	18.82	-5.59
5498	11/23/2021	16	2	20.27	Yes	18.82	-1.45
5499	11/23/2021	16	3	27.96	Yes	18.82	-9.14
5500	11/23/2021	16	4	34.40	Yes	18.82	-15.58
5501	11/23/2021	16	5	38.71	Yes	18.82	-19.89
5502	11/23/2021	16	6	44.21	Yes	18.82	-25.39
5503	11/23/2021	16	7	45.32	Yes	18.82	-26.50
5504	11/23/2021	16	8	47.74	Yes	18.82	-28.92
5505	11/23/2021	16	9	51.77	Yes	18.82	-32.95
5506	11/23/2021	16	10	55.32	Yes	18.82	-36.50

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5507	11/23/2021	16	11	63.27	Yes	18.82	-44.45
5508	11/23/2021	16	12	65.07	Yes	18.82	-46.25
5509	11/23/2021	17	1	37.01	Yes	18.82	-18.19
5510	11/23/2021	17	2	37.62	Yes	18.82	-18.80
5511	11/23/2021	17	3	40.41	Yes	18.82	-21.59
5512	11/23/2021	17	4	42.18	Yes	18.82	-23.36
5513	11/23/2021	17	5	42.18	Yes	18.82	-23.36
5514	11/23/2021	17	6	43.15	Yes	18.82	-24.33
5515	11/23/2021	17	7	44.08	Yes	18.82	-25.26
5516	11/23/2021	17	8	44.66	Yes	18.82	-25.84
5517	11/23/2021	17	9	47.11	Yes	18.82	-28.29
5518	11/23/2021	17	10	50.67	Yes	18.82	-31.85
5519	11/23/2021	17	11	52.60	Yes	18.82	-33.78
5520	11/23/2021	17	12	52.18	Yes	18.82	-33.36
5521	11/23/2021	18	1	43.54	Yes	18.82	-24.72
5522	11/23/2021	18	2	42.63	Yes	18.82	-23.81
5523	11/23/2021	18	3	42.84	Yes	18.82	-24.02
5524	11/23/2021	18	4	43.23	Yes	18.82	-24.41
5525	11/23/2021	18	5	43.99	Yes	18.82	-25.17
5526	11/23/2021	18	6	44.23	Yes	18.82	-25.41
5527	11/23/2021	18	7	45.71	Yes	18.82	-26.89
5528	11/23/2021	18	8	45.40	Yes	18.82	-26.58
5529	11/23/2021	18	9	45.03	Yes	18.82	-26.21
5530	11/23/2021	18	10	42.19	Yes	18.82	-23.37
5531	11/23/2021	18	11	42.04	Yes	18.82	-23.22
5532	11/23/2021	18	12	41.72	Yes	18.82	-22.90
5533	11/23/2021	19	1	44.29	Yes	18.82	-25.47
5534	11/23/2021	19	2	43.02	Yes	18.82	-24.20
5535	11/23/2021	19	3	42.84	Yes	18.82	-24.02
5536	11/23/2021	19	4	42.40	Yes	18.82	-23.58
5537	11/23/2021	19	5	43.54	Yes	18.82	-24.72
5538	11/23/2021	19	6	43.67	Yes	18.82	-24.85
5539	11/23/2021	19	7	42.31	Yes	18.82	-23.49
5540	11/23/2021	19	8	42.39	Yes	18.82	-23.57
5541	11/23/2021	19	9	42.31	Yes	18.82	-23.49
5542	11/23/2021	19	10	43.94	Yes	18.82	-25.12
5543	11/23/2021	19	11	44.14	Yes	18.82	-25.32
5544	11/23/2021	19	12	43.32	Yes	18.82	-24.50

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5545	11/23/2021	20	1	45.79	Yes	18.82	-26.97
5546	11/23/2021	20	2	45.79	Yes	18.82	-26.97
5547	11/23/2021	20	3	45.06	Yes	18.82	-26.24
5548	11/23/2021	20	4	44.43	Yes	18.82	-25.61
5549	11/23/2021	20	5	44.83	Yes	18.82	-26.01
5550	11/23/2021	20	6	45.03	Yes	18.82	-26.21
5551	11/23/2021	20	7	52.54	Yes	18.82	-33.72
5552	11/23/2021	20	8	53.60	Yes	18.82	-34.78
5553	11/23/2021	20	9	51.58	Yes	18.82	-32.76
5554	11/23/2021	20	10	50.54	Yes	18.82	-31.72
5555	11/23/2021	20	11	49.27	Yes	18.82	-30.45
5556	11/23/2021	20	12	49.17	Yes	18.82	-30.35
5557	11/23/2021	21	1	49.89	Yes	18.82	-31.07
5558	11/23/2021	21	2	50.42	Yes	18.82	-31.60
5559	11/23/2021	21	3	49.68	Yes	18.82	-30.86
5560	11/23/2021	21	4	48.55	Yes	18.82	-29.73
5561	11/23/2021	21	5	49.32	Yes	18.82	-30.50
5562	11/23/2021	21	6	48.09	Yes	18.82	-29.27
5563	11/23/2021	21	7	48.26	Yes	18.82	-29.44
5564	11/23/2021	21	8	47.12	Yes	18.82	-28.30
5565	11/23/2021	21	9	45.81	Yes	18.82	-26.99
5566	11/23/2021	21	10	45.84	Yes	18.82	-27.02
5567	11/23/2021	21	11	45.84	Yes	18.82	-27.02
5568	11/23/2021	21	12	45.65	Yes	18.82	-26.83
5569	11/23/2021	22	1	49.68	Yes	18.82	-30.86
5570	11/23/2021	22	2	49.65	Yes	18.82	-30.83
5571	11/23/2021	22	3	49.34	Yes	18.82	-30.52
5572	11/23/2021	22	4	49.05	Yes	18.82	-30.23
5573	11/23/2021	22	5	49.09	Yes	18.82	-30.27
5574	11/23/2021	22	6	48.65	Yes	18.82	-29.83
5575	11/23/2021	22	7	49.32	Yes	18.82	-30.50
5576	11/23/2021	22	8	48.28	Yes	18.82	-29.46
5577	11/23/2021	22	9	46.29	Yes	18.82	-27.47
5578	11/23/2021	22	10	44.51	Yes	18.82	-25.69
5579	11/23/2021	22	11	44.55	Yes	18.82	-25.73
5580	11/23/2021	22	12	44.51	Yes	18.82	-25.69
5581	11/23/2021	23	1	49.28	Yes	18.82	-30.46
5582	11/23/2021	23	2	50.11	Yes	18.82	-31.29

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5583	11/23/2021	23	3	49.94	Yes	18.82	-31.12
5584	11/23/2021	23	4	50.98	Yes	18.82	-32.16
5585	11/23/2021	23	5	50.56	Yes	18.82	-31.74
5586	11/23/2021	23	6	49.23	Yes	18.82	-30.41
5587	11/23/2021	23	7	49.34	Yes	18.82	-30.52
5588	11/23/2021	23	8	48.03	Yes	18.82	-29.21
5589	11/23/2021	23	9	48.40	Yes	18.82	-29.58
5590	11/23/2021	23	10	47.33	Yes	18.82	-28.51
5591	11/23/2021	23	11	47.33	Yes	18.82	-28.51
5592	11/23/2021	23	12	47.17	Yes	18.82	-28.35
5593	11/23/2021	24	1	47.11	Yes	18.82	-28.29
5594	11/23/2021	24	2	47.45	Yes	18.82	-28.63
5595	11/23/2021	24	3	47.17	Yes	18.82	-28.35
5596	11/23/2021	24	4	46.42	Yes	18.82	-27.60
5597	11/23/2021	24	5	46.00	Yes	18.82	-27.18
5598	11/23/2021	24	6	45.06	Yes	18.82	-26.24
5599	11/23/2021	24	7	43.43	Yes	18.82	-24.61
5600	11/23/2021	24	8	43.43	Yes	18.82	-24.61
5601	11/23/2021	24	9	43.51	Yes	18.82	-24.69
5602	11/23/2021	24	10	42.83	Yes	18.82	-24.01
5603	11/23/2021	24	11	42.76	Yes	18.82	-23.94
5604	11/23/2021	24	12	43.51	Yes	18.82	-24.69
5605	11/24/2021	1	1	47.36	Yes	19.19	-28.17
5606	11/24/2021	1	2	48.47	Yes	19.19	-29.28
5607	11/24/2021	1	3	50.08	Yes	19.19	-30.89
5608	11/24/2021	1	4	49.13	Yes	19.19	-29.94
5609	11/24/2021	1	5	49.72	Yes	19.19	-30.53
5610	11/24/2021	1	6	49.72	Yes	19.19	-30.53
5611	11/24/2021	1	7	53.28	Yes	19.19	-34.09
5612	11/24/2021	1	8	53.04	Yes	19.19	-33.85
5613	11/24/2021	1	9	53.72	Yes	19.19	-34.53
5614	11/24/2021	1	10	52.74	Yes	19.19	-33.55
5615	11/24/2021	1	11	51.79	Yes	19.19	-32.60
5616	11/24/2021	1	12	51.47	Yes	19.19	-32.28
5617	11/24/2021	2	1	52.34	Yes	19.19	-33.15
5618	11/24/2021	2	2	52.74	Yes	19.19	-33.55
5619	11/24/2021	2	3	52.97	Yes	19.19	-33.78
5620	11/24/2021	2	4	52.28	Yes	19.19	-33.09

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5621	11/24/2021	2	5	52.14	Yes	19.19	-32.95
5622	11/24/2021	2	6	51.60	Yes	19.19	-32.41
5623	11/24/2021	2	7	50.29	Yes	19.19	-31.10
5624	11/24/2021	2	8	50.11	Yes	19.19	-30.92
5625	11/24/2021	2	9	49.60	Yes	19.19	-30.41
5626	11/24/2021	2	10	49.53	Yes	19.19	-30.34
5627	11/24/2021	2	11	49.98	Yes	19.19	-30.79
5628	11/24/2021	2	12	49.53	Yes	19.19	-30.34
5629	11/24/2021	3	1	50.05	Yes	19.19	-30.86
5630	11/24/2021	3	2	49.94	Yes	19.19	-30.75
5631	11/24/2021	3	3	48.97	Yes	19.19	-29.78
5632	11/24/2021	3	4	48.04	Yes	19.19	-28.85
5633	11/24/2021	3	5	46.91	Yes	19.19	-27.72
5634	11/24/2021	3	6	46.38	Yes	19.19	-27.19
5635	11/24/2021	3	7	48.34	Yes	19.19	-29.15
5636	11/24/2021	3	8	46.19	Yes	19.19	-27.00
5637	11/24/2021	3	9	45.48	Yes	19.19	-26.29
5638	11/24/2021	3	10	43.75	Yes	19.19	-24.56
5639	11/24/2021	3	11	46.77	Yes	19.19	-27.58
5640	11/24/2021	3	12	44.61	Yes	19.19	-25.42
5641	11/24/2021	4	1	44.81	Yes	19.19	-25.62
5642	11/24/2021	4	2	44.39	Yes	19.19	-25.20
5643	11/24/2021	4	3	43.92	Yes	19.19	-24.73
5644	11/24/2021	4	4	44.02	Yes	19.19	-24.83
5645	11/24/2021	4	5	42.39	Yes	19.19	-23.20
5646	11/24/2021	4	6	42.34	Yes	19.19	-23.15
5647	11/24/2021	4	7	43.09	Yes	19.19	-23.90
5648	11/24/2021	4	8	42.46	Yes	19.19	-23.27
5649	11/24/2021	4	9	42.22	Yes	19.19	-23.03
5650	11/24/2021	4	10	42.45	Yes	19.19	-23.26
5651	11/24/2021	4	11	43.12	Yes	19.19	-23.93
5652	11/24/2021	4	12	42.62	Yes	19.19	-23.43
5653	11/24/2021	5	1	41.31	Yes	19.19	-22.12
5654	11/24/2021	5	2	42.21	Yes	19.19	-23.02
5655	11/24/2021	5	3	45.03	Yes	19.19	-25.84
5656	11/24/2021	5	4	47.07	Yes	19.19	-27.88
5657	11/24/2021	5	5	50.18	Yes	19.19	-30.99
5658	11/24/2021	5	6	50.65	Yes	19.19	-31.46



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5659	11/24/2021	5	7	51.41	Yes	19.19	-32.22
5660	11/24/2021	5	8	52.51	Yes	19.19	-33.32
5661	11/24/2021	5	9	52.82	Yes	19.19	-33.63
5662	11/24/2021	5	10	53.26	Yes	19.19	-34.07
5663	11/24/2021	5	11	53.59	Yes	19.19	-34.40
5664	11/24/2021	5	12	54.04	Yes	19.19	-34.85
5665	11/24/2021	6	1	50.13	Yes	19.19	-30.94
5666	11/24/2021	6	2	50.10	Yes	19.19	-30.91
5667	11/24/2021	6	3	51.34	Yes	19.19	-32.15
5668	11/24/2021	6	4	52.44	Yes	19.19	-33.25
5669	11/24/2021	6	5	53.61	Yes	19.19	-34.42
5670	11/24/2021	6	6	55.09	Yes	19.19	-35.90
5671	11/24/2021	6	7	57.07	Yes	19.19	-37.88
5672	11/24/2021	6	8	57.99	Yes	19.19	-38.80
5673	11/24/2021	6	9	60.63	Yes	19.19	-41.44
5674	11/24/2021	6	10	61.77	Yes	19.19	-42.58
5675	11/24/2021	6	11	61.04	Yes	19.19	-41.85
5676	11/24/2021	6	12	61.97	Yes	19.19	-42.78
5677	11/24/2021	7	1	56.60	Yes	19.19	-37.41
5678	11/24/2021	7	2	58.41	Yes	19.19	-39.22
5679	11/24/2021	7	3	59.44	Yes	19.19	-40.25
5680	11/24/2021	7	4	60.85	Yes	19.19	-41.66
5681	11/24/2021	7	5	61.82	Yes	19.19	-42.63
5682	11/24/2021	7	6	62.58	Yes	19.19	-43.39
5683	11/24/2021	7	7	64.60	Yes	19.19	-45.41
5684	11/24/2021	7	8	66.46	Yes	19.19	-47.27
5685	11/24/2021	7	9	66.83	Yes	19.19	-47.64
5686	11/24/2021	7	10	69.82	Yes	19.19	-50.63
5687	11/24/2021	7	11	67.43	Yes	19.19	-48.24
5688	11/24/2021	7	12	71.88	Yes	19.19	-52.69
5689	11/24/2021	8	1	90.04	Yes	19.19	-70.85
5690	11/24/2021	8	2	88.80	Yes	19.19	-69.61
5691	11/24/2021	8	3	84.99	Yes	19.19	-65.80
5692	11/24/2021	8	4	75.20	Yes	19.19	-56.01
5693	11/24/2021	8	5	68.78	Yes	19.19	-49.59
5694	11/24/2021	8	6	65.47	Yes	19.19	-46.28
5695	11/24/2021	8	7	62.17	Yes	19.19	-42.98
5696	11/24/2021	8	8	60.44	Yes	19.19	-41.25

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5697	11/24/2021	8	9	55.92	Yes	19.19	-36.73
5698	11/24/2021	8	10	37.10	Yes	19.19	-17.91
5699	11/24/2021	9	1	51.00	Yes	19.19	-31.81
5700	11/24/2021	9	2	54.26	Yes	19.19	-35.07
5701	11/24/2021	9	3	50.60	Yes	19.19	-31.41
5702	11/24/2021	9	4	36.87	Yes	19.19	-17.68
5703	11/24/2021	9	5	28.76	Yes	19.19	-9.57
5704	11/24/2021	9	6	12.20	Yes	19.19	6.99
5705	11/24/2021	9	7	25.59	Yes	19.19	-6.40
5706	11/24/2021	9	8	0.00	Yes	19.19	19.19
5707	11/24/2021	9	9	0.00	Yes	19.19	19.19
5708	11/24/2021	9	10	0.00	Yes	19.19	19.19
5709	11/24/2021	9	11	0.00	Yes	19.19	19.19
5710	11/24/2021	9	12	0.00	Yes	19.19	19.19
5711	11/24/2021	10	1	0.00	Yes	19.19	19.19
5712	11/24/2021	10	2	36.52	Yes	19.19	-17.33
5713	11/24/2021	10	3	33.02	Yes	19.19	-13.83
5714	11/24/2021	10	4	53.88	Yes	19.19	-34.69
5715	11/24/2021	10	5	61.68	Yes	19.19	-42.49
5716	11/24/2021	10	6	57.25	Yes	19.19	-38.06
5717	11/24/2021	10	7	51.77	Yes	19.19	-32.58
5718	11/24/2021	10	8	55.48	Yes	19.19	-36.29
5719	11/24/2021	10	9	47.64	Yes	19.19	-28.45
5720	11/24/2021	10	10	45.30	Yes	19.19	-26.11
5721	11/24/2021	10	11	46.27	Yes	19.19	-27.08
5722	11/24/2021	10	12	37.62	Yes	19.19	-18.43
5723	11/24/2021	11	1	41.44	Yes	19.19	-22.25
5724	11/24/2021	11	2	41.36	Yes	19.19	-22.17
5725	11/24/2021	11	3	40.78	Yes	19.19	-21.59
5726	11/24/2021	11	4	22.49	Yes	19.19	-3.30
5727	11/24/2021	11	5	29.46	Yes	19.19	-10.27
5728	11/24/2021	11	6	34.20	Yes	19.19	-15.01
5729	11/24/2021	11	7	0.00	Yes	19.19	19.19
5730	11/24/2021	11	8	-0.01	Yes	19.19	19.20
5731	11/24/2021	11	9	0.01	Yes	19.19	19.18
5732	11/24/2021	11	10	33.75	Yes	19.19	-14.56
5733	11/24/2021	11	11	41.51	Yes	19.19	-22.32
5734	11/24/2021	11	12	45.17	Yes	19.19	-25.98

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5735	11/24/2021	12	1	42.58	Yes	19.19	-23.39
5736	11/24/2021	12	2	41.53	Yes	19.19	-22.34
5737	11/24/2021	12	3	43.92	Yes	19.19	-24.73
5738	11/24/2021	12	4	42.49	Yes	19.19	-23.30
5739	11/24/2021	12	5	41.14	Yes	19.19	-21.95
5740	11/24/2021	12	6	42.30	Yes	19.19	-23.11
5741	11/24/2021	12	7	41.04	Yes	19.19	-21.85
5742	11/24/2021	12	8	41.47	Yes	19.19	-22.28
5743	11/24/2021	12	9	41.55	Yes	19.19	-22.36
5744	11/24/2021	12	10	36.93	Yes	19.19	-17.74
5745	11/24/2021	12	11	40.25	Yes	19.19	-21.06
5746	11/24/2021	12	12	40.36	Yes	19.19	-21.17
5747	11/24/2021	13	1	45.56	Yes	19.19	-26.37
5748	11/24/2021	13	2	43.23	Yes	19.19	-24.04
5749	11/24/2021	13	3	43.82	Yes	19.19	-24.63
5750	11/24/2021	13	4	42.93	Yes	19.19	-23.74
5751	11/24/2021	13	5	42.94	Yes	19.19	-23.75
5752	11/24/2021	13	6	42.88	Yes	19.19	-23.69
5753	11/24/2021	13	7	43.36	Yes	19.19	-24.17
5754	11/24/2021	13	8	43.28	Yes	19.19	-24.09
5755	11/24/2021	13	9	43.63	Yes	19.19	-24.44
5756	11/24/2021	13	10	43.38	Yes	19.19	-24.19
5757	11/24/2021	13	11	43.67	Yes	19.19	-24.48
5758	11/24/2021	13	12	43.36	Yes	19.19	-24.17
5759	11/24/2021	14	1	39.84	Yes	19.19	-20.65
5760	11/24/2021	14	2	40.86	Yes	19.19	-21.67
5761	11/24/2021	14	3	41.64	Yes	19.19	-22.45
5762	11/24/2021	14	4	41.27	Yes	19.19	-22.08
5763	11/24/2021	14	5	41.09	Yes	19.19	-21.90
5764	11/24/2021	14	6	41.11	Yes	19.19	-21.92
5765	11/24/2021	14	7	41.67	Yes	19.19	-22.48
5766	11/24/2021	14	8	43.46	Yes	19.19	-24.27
5767	11/24/2021	14	9	44.37	Yes	19.19	-25.18
5768	11/24/2021	14	10	41.70	Yes	19.19	-22.51
5769	11/24/2021	14	11	41.38	Yes	19.19	-22.19
5770	11/24/2021	14	12	41.87	Yes	19.19	-22.68
5771	11/24/2021	15	1	39.64	Yes	19.19	-20.45
5772	11/24/2021	15	2	39.86	Yes	19.19	-20.67

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5773	11/24/2021	15	3	39.70	Yes	19.19	-20.51
5774	11/24/2021	15	4	40.31	Yes	19.19	-21.12
5775	11/24/2021	15	5	40.83	Yes	19.19	-21.64
5776	11/24/2021	15	6	42.67	Yes	19.19	-23.48
5777	11/24/2021	15	7	44.83	Yes	19.19	-25.64
5778	11/24/2021	15	8	49.79	Yes	19.19	-30.60
5779	11/24/2021	15	9	53.14	Yes	19.19	-33.95
5780	11/24/2021	15	10	51.22	Yes	19.19	-32.03
5781	11/24/2021	15	11	50.64	Yes	19.19	-31.45
5782	11/24/2021	15	12	51.81	Yes	19.19	-32.62
5783	11/24/2021	16	1	32.42	Yes	19.19	-13.23
5784	11/24/2021	16	2	32.63	Yes	19.19	-13.44
5785	11/24/2021	16	3	32.24	Yes	19.19	-13.05
5786	11/24/2021	16	4	37.85	Yes	19.19	-18.66
5787	11/24/2021	16	5	40.71	Yes	19.19	-21.52
5788	11/24/2021	16	6	50.53	Yes	19.19	-31.34
5789	11/24/2021	16	7	45.84	Yes	19.19	-26.65
5790	11/24/2021	16	8	50.53	Yes	19.19	-31.34
5791	11/24/2021	16	9	59.84	Yes	19.19	-40.65
5792	11/24/2021	16	10	62.99	Yes	19.19	-43.80
5793	11/24/2021	16	11	66.38	Yes	19.19	-47.19
5794	11/24/2021	16	12	66.41	Yes	19.19	-47.22
5795	11/24/2021	17	1	46.81	Yes	19.19	-27.62
5796	11/24/2021	17	2	47.59	Yes	19.19	-28.40
5797	11/24/2021	17	3	47.81	Yes	19.19	-28.62
5798	11/24/2021	17	4	49.53	Yes	19.19	-30.34
5799	11/24/2021	17	5	51.71	Yes	19.19	-32.52
5800	11/24/2021	17	6	51.96	Yes	19.19	-32.77
5801	11/24/2021	17	7	52.17	Yes	19.19	-32.98
5802	11/24/2021	17	8	56.88	Yes	19.19	-37.69
5803	11/24/2021	17	9	59.24	Yes	19.19	-40.05
5804	11/24/2021	17	10	57.29	Yes	19.19	-38.10
5805	11/24/2021	17	11	57.66	Yes	19.19	-38.47
5806	11/24/2021	17	12	57.29	Yes	19.19	-38.10
5807	11/24/2021	18	1	51.67	Yes	19.19	-32.48
5808	11/24/2021	18	2	50.76	Yes	19.19	-31.57
5809	11/24/2021	18	3	50.76	Yes	19.19	-31.57
5810	11/24/2021	18	4	58.63	Yes	19.19	-39.44

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5811	11/24/2021	18	5	60.02	Yes	19.19	-40.83
5812	11/24/2021	18	6	60.06	Yes	19.19	-40.87
5813	11/24/2021	18	7	59.75	Yes	19.19	-40.56
5814	11/24/2021	18	8	59.77	Yes	19.19	-40.58
5815	11/24/2021	18	9	59.84	Yes	19.19	-40.65
5816	11/24/2021	18	10	59.56	Yes	19.19	-40.37
5817	11/24/2021	18	11	59.44	Yes	19.19	-40.25
5818	11/24/2021	18	12	59.55	Yes	19.19	-40.36
5819	11/24/2021	19	1	59.69	Yes	19.19	-40.50
5820	11/24/2021	19	2	59.66	Yes	19.19	-40.47
5821	11/24/2021	19	3	59.69	Yes	19.19	-40.50
5822	11/24/2021	19	4	59.36	Yes	19.19	-40.17
5823	11/24/2021	19	5	59.36	Yes	19.19	-40.17
5824	11/24/2021	19	6	59.35	Yes	19.19	-40.16
5825	11/24/2021	19	7	59.19	Yes	19.19	-40.00
5826	11/24/2021	19	8	58.37	Yes	19.19	-39.18
5827	11/24/2021	19	9	58.30	Yes	19.19	-39.11
5828	11/24/2021	19	10	57.55	Yes	19.19	-38.36
5829	11/24/2021	19	11	57.14	Yes	19.19	-37.95
5830	11/24/2021	19	12	56.59	Yes	19.19	-37.40
5831	11/24/2021	20	1	59.19	Yes	19.19	-40.00
5832	11/24/2021	20	2	59.19	Yes	19.19	-40.00
5833	11/24/2021	20	3	58.47	Yes	19.19	-39.28
5834	11/24/2021	20	4	58.27	Yes	19.19	-39.08
5835	11/24/2021	20	5	58.31	Yes	19.19	-39.12
5836	11/24/2021	20	6	59.75	Yes	19.19	-40.56
5837	11/24/2021	20	7	64.00	Yes	19.19	-44.81
5838	11/24/2021	20	8	64.87	Yes	19.19	-45.68
5839	11/24/2021	20	9	65.52	Yes	19.19	-46.33
5840	11/24/2021	20	10	66.73	Yes	19.19	-47.54
5841	11/24/2021	20	11	65.40	Yes	19.19	-46.21
5842	11/24/2021	20	12	64.95	Yes	19.19	-45.76
5843	11/24/2021	21	1	68.50	Yes	19.19	-49.31
5844	11/24/2021	21	2	65.41	Yes	19.19	-46.22
5845	11/24/2021	21	3	64.98	Yes	19.19	-45.79
5846	11/24/2021	21	4	63.71	Yes	19.19	-44.52
5847	11/24/2021	21	5	63.75	Yes	19.19	-44.56
5848	11/24/2021	21	6	64.34	Yes	19.19	-45.15

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5849	11/24/2021	21	7	62.68	Yes	19.19	-43.49
5850	11/24/2021	21	8	63.24	Yes	19.19	-44.05
5851	11/24/2021	21	9	62.50	Yes	19.19	-43.31
5852	11/24/2021	21	10	60.60	Yes	19.19	-41.41
5853	11/24/2021	21	11	60.77	Yes	19.19	-41.58
5854	11/24/2021	21	12	61.03	Yes	19.19	-41.84
5855	11/24/2021	22	1	68.47	Yes	19.19	-49.28
5856	11/24/2021	22	2	68.51	Yes	19.19	-49.32
5857	11/24/2021	22	3	68.07	Yes	19.19	-48.88
5858	11/24/2021	22	4	65.23	Yes	19.19	-46.04
5859	11/24/2021	22	5	65.23	Yes	19.19	-46.04
5860	11/24/2021	22	6	64.82	Yes	19.19	-45.63
5861	11/24/2021	22	7	62.21	Yes	19.19	-43.02
5862	11/24/2021	22	8	61.25	Yes	19.19	-42.06
5863	11/24/2021	22	9	59.36	Yes	19.19	-40.17
5864	11/24/2021	22	10	58.98	Yes	19.19	-39.79
5865	11/24/2021	22	11	58.98	Yes	19.19	-39.79
5866	11/24/2021	22	12	58.80	Yes	19.19	-39.61
5867	11/24/2021	23	1	60.33	Yes	19.19	-41.14
5868	11/24/2021	23	2	59.72	Yes	19.19	-40.53
5869	11/24/2021	23	3	57.88	Yes	19.19	-38.69
5870	11/24/2021	23	4	55.41	Yes	19.19	-36.22
5871	11/24/2021	23	5	56.05	Yes	19.19	-36.86
5872	11/24/2021	23	6	55.06	Yes	19.19	-35.87
5873	11/24/2021	23	7	54.25	Yes	19.19	-35.06
5874	11/24/2021	23	8	53.09	Yes	19.19	-33.90
5875	11/24/2021	23	9	53.09	Yes	19.19	-33.90
5876	11/24/2021	23	10	52.57	Yes	19.19	-33.38
5877	11/24/2021	23	11	50.87	Yes	19.19	-31.68
5878	11/24/2021	23	12	52.57	Yes	19.19	-33.38
5879	11/24/2021	24	1	53.85	Yes	19.19	-34.66
5880	11/24/2021	24	2	53.75	Yes	19.19	-34.56
5881	11/24/2021	24	3	53.75	Yes	19.19	-34.56
5882	11/24/2021	24	4	53.07	Yes	19.19	-33.88
5883	11/24/2021	24	5	52.94	Yes	19.19	-33.75
5884	11/24/2021	24	6	52.47	Yes	19.19	-33.28
5885	11/24/2021	24	7	50.97	Yes	19.19	-31.78
5886	11/24/2021	24	8	50.94	Yes	19.19	-31.75

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5887	11/24/2021	24	9	50.48	Yes	19.19	-31.29
5888	11/24/2021	24	10	49.62	Yes	19.19	-30.43
5889	11/24/2021	24	11	49.26	Yes	19.19	-30.07
5890	11/24/2021	24	12	49.48	Yes	19.19	-30.29
5891	11/25/2021	1	1	57.25	Yes	18.55	-38.70
5892	11/25/2021	1	2	56.38	Yes	18.55	-37.83
5893	11/25/2021	1	3	57.70	Yes	18.55	-39.15
5894	11/25/2021	1	4	56.10	Yes	18.55	-37.55
5895	11/25/2021	1	5	56.08	Yes	18.55	-37.53
5896	11/25/2021	1	6	56.08	Yes	18.55	-37.53
5897	11/25/2021	1	7	45.00	Yes	18.55	-26.45
5898	11/25/2021	1	8	45.25	Yes	18.55	-26.70
5899	11/25/2021	1	9	45.00	Yes	18.55	-26.45
5900	11/25/2021	1	10	44.81	Yes	18.55	-26.26
5901	11/25/2021	1	11	44.24	Yes	18.55	-25.69
5902	11/25/2021	1	12	43.87	Yes	18.55	-25.32
5903	11/25/2021	2	1	54.36	Yes	18.55	-35.81
5904	11/25/2021	2	2	53.35	Yes	18.55	-34.80
5905	11/25/2021	2	3	53.43	Yes	18.55	-34.88
5906	11/25/2021	2	4	53.85	Yes	18.55	-35.30
5907	11/25/2021	2	5	54.98	Yes	18.55	-36.43
5908	11/25/2021	2	6	55.71	Yes	18.55	-37.16
5909	11/25/2021	2	7	55.72	Yes	18.55	-37.17
5910	11/25/2021	2	8	55.04	Yes	18.55	-36.49
5911	11/25/2021	2	9	54.63	Yes	18.55	-36.08
5912	11/25/2021	2	10	54.12	Yes	18.55	-35.57
5913	11/25/2021	2	11	54.90	Yes	18.55	-36.35
5914	11/25/2021	2	12	54.87	Yes	18.55	-36.32
5915	11/25/2021	3	1	59.39	Yes	18.55	-40.84
5916	11/25/2021	3	2	58.38	Yes	18.55	-39.83
5917	11/25/2021	3	3	59.63	Yes	18.55	-41.08
5918	11/25/2021	3	4	48.61	Yes	18.55	-30.06
5919	11/25/2021	3	5	48.65	Yes	18.55	-30.10
5920	11/25/2021	3	6	48.57	Yes	18.55	-30.02
5921	11/25/2021	3	7	59.09	Yes	18.55	-40.54
5922	11/25/2021	3	8	57.41	Yes	18.55	-38.86
5923	11/25/2021	3	9	57.28	Yes	18.55	-38.73
5924	11/25/2021	3	10	55.87	Yes	18.55	-37.32

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5925	11/25/2021	3	11	56.00	Yes	18.55	-37.45
5926	11/25/2021	3	12	55.53	Yes	18.55	-36.98
5927	11/25/2021	4	1	55.32	Yes	18.55	-36.77
5928	11/25/2021	4	2	55.03	Yes	18.55	-36.48
5929	11/25/2021	4	3	54.58	Yes	18.55	-36.03
5930	11/25/2021	4	4	54.53	Yes	18.55	-35.98
5931	11/25/2021	4	5	55.04	Yes	18.55	-36.49
5932	11/25/2021	4	6	55.16	Yes	18.55	-36.61
5933	11/25/2021	4	7	55.27	Yes	18.55	-36.72
5934	11/25/2021	4	8	55.22	Yes	18.55	-36.67
5935	11/25/2021	4	9	55.88	Yes	18.55	-37.33
5936	11/25/2021	4	10	55.33	Yes	18.55	-36.78
5937	11/25/2021	4	11	56.03	Yes	18.55	-37.48
5938	11/25/2021	4	12	56.03	Yes	18.55	-37.48
5939	11/25/2021	5	1	56.94	Yes	18.55	-38.39
5940	11/25/2021	5	2	57.07	Yes	18.55	-38.52
5941	11/25/2021	5	3	58.18	Yes	18.55	-39.63
5942	11/25/2021	5	4	58.05	Yes	18.55	-39.50
5943	11/25/2021	5	5	58.26	Yes	18.55	-39.71
5944	11/25/2021	5	6	58.20	Yes	18.55	-39.65
5945	11/25/2021	5	7	57.66	Yes	18.55	-39.11
5946	11/25/2021	5	8	57.03	Yes	18.55	-38.48
5947	11/25/2021	5	9	57.96	Yes	18.55	-39.41
5948	11/25/2021	5	10	57.99	Yes	18.55	-39.44
5949	11/25/2021	5	11	58.06	Yes	18.55	-39.51
5950	11/25/2021	5	12	58.43	Yes	18.55	-39.88
5951	11/25/2021	6	1	55.49	Yes	18.55	-36.94
5952	11/25/2021	6	2	55.72	Yes	18.55	-37.17
5953	11/25/2021	6	3	57.37	Yes	18.55	-38.82
5954	11/25/2021	6	4	57.90	Yes	18.55	-39.35
5955	11/25/2021	6	5	58.14	Yes	18.55	-39.59
5956	11/25/2021	6	6	58.15	Yes	18.55	-39.60
5957	11/25/2021	6	7	58.42	Yes	18.55	-39.87
5958	11/25/2021	6	8	58.42	Yes	18.55	-39.87
5959	11/25/2021	6	9	58.97	Yes	18.55	-40.42
5960	11/25/2021	6	10	59.72	Yes	18.55	-41.17
5961	11/25/2021	6	11	60.07	Yes	18.55	-41.52
5962	11/25/2021	6	12	61.20	Yes	18.55	-42.65



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
5963	11/25/2021	7	1	56.22	Yes	18.55	-37.67
5964	11/25/2021	7	2	57.78	Yes	18.55	-39.23
5965	11/25/2021	7	3	57.55	Yes	18.55	-39.00
5966	11/25/2021	7	4	58.32	Yes	18.55	-39.77
5967	11/25/2021	7	5	59.51	Yes	18.55	-40.96
5968	11/25/2021	7	6	59.51	Yes	18.55	-40.96
5969	11/25/2021	7	7	62.35	Yes	18.55	-43.80
5970	11/25/2021	7	8	61.13	Yes	18.55	-42.58
5971	11/25/2021	7	9	59.96	Yes	18.55	-41.41
5972	11/25/2021	7	10	60.49	Yes	18.55	-41.94
5973	11/25/2021	7	11	59.50	Yes	18.55	-40.95
5974	11/25/2021	7	12	62.58	Yes	18.55	-44.03
5975	11/25/2021	8	1	69.71	Yes	18.55	-51.16
5976	11/25/2021	8	2	99.93	Yes	18.55	-81.38
5977	11/25/2021	8	3	86.36	Yes	18.55	-67.81
5978	11/25/2021	8	4	68.87	Yes	18.55	-50.32
5979	11/25/2021	8	5	61.21	Yes	18.55	-42.66
5980	11/25/2021	8	6	56.71	Yes	18.55	-38.16
5981	11/25/2021	8	7	52.12	Yes	18.55	-33.57
5982	11/25/2021	8	8	47.77	Yes	18.55	-29.22
5983	11/25/2021	8	9	43.18	Yes	18.55	-24.63
5984	11/25/2021	8	10	36.44	Yes	18.55	-17.89
5985	11/25/2021	8	11	23.61	Yes	18.55	-5.06
5986	11/25/2021	8	12	2.53	Yes	18.55	16.02
5987	11/25/2021	9	1	69.39	Yes	18.55	-50.84
5988	11/25/2021	9	2	60.08	Yes	18.55	-41.53
5989	11/25/2021	9	3	54.58	Yes	18.55	-36.03
5990	11/25/2021	9	4	25.55	Yes	18.55	-7.00
5991	11/25/2021	9	5	21.33	Yes	18.55	-2.78
5992	11/25/2021	9	6	22.10	Yes	18.55	-3.55
5993	11/25/2021	9	7	21.20	Yes	18.55	-2.65
5994	11/25/2021	9	8	34.37	Yes	18.55	-15.82
5995	11/25/2021	9	9	30.31	Yes	18.55	-11.76
5996	11/25/2021	9	10	27.95	Yes	18.55	-9.40
5997	11/25/2021	9	11	26.07	Yes	18.55	-7.52
5998	11/25/2021	9	12	15.73	Yes	18.55	2.82
5999	11/25/2021	10	1	42.84	Yes	18.55	-24.29
6000	11/25/2021	10	2	42.76	Yes	18.55	-24.21

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6001	11/25/2021	10	3	39.62	Yes	18.55	-21.07
6002	11/25/2021	10	4	43.78	Yes	18.55	-25.23
6003	11/25/2021	10	5	44.90	Yes	18.55	-26.35
6004	11/25/2021	10	6	38.04	Yes	18.55	-19.49
6005	11/25/2021	10	7	42.75	Yes	18.55	-24.20
6006	11/25/2021	10	8	42.75	Yes	18.55	-24.20
6007	11/25/2021	10	9	36.95	Yes	18.55	-18.40
6008	11/25/2021	10	10	41.54	Yes	18.55	-22.99
6009	11/25/2021	10	11	40.19	Yes	18.55	-21.64
6010	11/25/2021	10	12	35.74	Yes	18.55	-17.19
6011	11/25/2021	11	1	39.67	Yes	18.55	-21.12
6012	11/25/2021	11	2	39.37	Yes	18.55	-20.82
6013	11/25/2021	11	3	40.72	Yes	18.55	-22.17
6014	11/25/2021	11	4	41.68	Yes	18.55	-23.13
6015	11/25/2021	11	5	41.39	Yes	18.55	-22.84
6016	11/25/2021	11	6	40.52	Yes	18.55	-21.97
6017	11/25/2021	11	7	42.80	Yes	18.55	-24.25
6018	11/25/2021	11	8	44.02	Yes	18.55	-25.47
6019	11/25/2021	11	9	46.67	Yes	18.55	-28.12
6020	11/25/2021	11	10	42.26	Yes	18.55	-23.71
6021	11/25/2021	11	11	43.79	Yes	18.55	-25.24
6022	11/25/2021	11	12	43.97	Yes	18.55	-25.42
6023	11/25/2021	12	1	48.00	Yes	18.55	-29.45
6024	11/25/2021	12	2	48.00	Yes	18.55	-29.45
6025	11/25/2021	12	3	42.92	Yes	18.55	-24.37
6026	11/25/2021	12	4	47.37	Yes	18.55	-28.82
6027	11/25/2021	12	5	47.71	Yes	18.55	-29.16
6028	11/25/2021	12	6	44.69	Yes	18.55	-26.14
6029	11/25/2021	12	7	59.23	Yes	18.55	-40.68
6030	11/25/2021	12	8	51.25	Yes	18.55	-32.70
6031	11/25/2021	12	9	50.51	Yes	18.55	-31.96
6032	11/25/2021	12	10	45.69	Yes	18.55	-27.14
6033	11/25/2021	12	11	47.15	Yes	18.55	-28.60
6034	11/25/2021	12	12	47.29	Yes	18.55	-28.74
6035	11/25/2021	13	1	45.84	Yes	18.55	-27.29
6036	11/25/2021	13	2	47.01	Yes	18.55	-28.46
6037	11/25/2021	13	3	43.57	Yes	18.55	-25.02
6038	11/25/2021	13	4	39.32	Yes	18.55	-20.77

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6039	11/25/2021	13	5	38.87	Yes	18.55	-20.32
6040	11/25/2021	13	6	39.25	Yes	18.55	-20.70
6041	11/25/2021	13	7	35.51	Yes	18.55	-16.96
6042	11/25/2021	13	8	36.74	Yes	18.55	-18.19
6043	11/25/2021	13	9	32.99	Yes	18.55	-14.44
6044	11/25/2021	13	10	37.66	Yes	18.55	-19.11
6045	11/25/2021	13	11	37.15	Yes	18.55	-18.60
6046	11/25/2021	13	12	37.02	Yes	18.55	-18.47
6047	11/25/2021	14	1	41.17	Yes	18.55	-22.62
6048	11/25/2021	14	2	41.24	Yes	18.55	-22.69
6049	11/25/2021	14	3	39.19	Yes	18.55	-20.64
6050	11/25/2021	14	4	40.52	Yes	18.55	-21.97
6051	11/25/2021	14	5	38.38	Yes	18.55	-19.83
6052	11/25/2021	14	6	40.37	Yes	18.55	-21.82
6053	11/25/2021	14	7	39.12	Yes	18.55	-20.57
6054	11/25/2021	14	8	40.08	Yes	18.55	-21.53
6055	11/25/2021	14	9	40.08	Yes	18.55	-21.53
6056	11/25/2021	14	10	39.66	Yes	18.55	-21.11
6057	11/25/2021	14	11	39.26	Yes	18.55	-20.71
6058	11/25/2021	14	12	34.35	Yes	18.55	-15.80
6059	11/25/2021	15	1	37.04	Yes	18.55	-18.49
6060	11/25/2021	15	2	37.03	Yes	18.55	-18.48
6061	11/25/2021	15	3	37.75	Yes	18.55	-19.20
6062	11/25/2021	15	4	37.40	Yes	18.55	-18.85
6063	11/25/2021	15	5	39.11	Yes	18.55	-20.56
6064	11/25/2021	15	6	36.98	Yes	18.55	-18.43
6065	11/25/2021	15	7	35.20	Yes	18.55	-16.65
6066	11/25/2021	15	8	37.81	Yes	18.55	-19.26
6067	11/25/2021	15	9	41.39	Yes	18.55	-22.84
6068	11/25/2021	15	10	42.92	Yes	18.55	-24.37
6069	11/25/2021	15	11	43.30	Yes	18.55	-24.75
6070	11/25/2021	15	12	40.75	Yes	18.55	-22.20
6071	11/25/2021	16	1	22.22	Yes	18.55	-3.67
6072	11/25/2021	16	2	21.20	Yes	18.55	-2.65
6073	11/25/2021	16	3	26.08	Yes	18.55	-7.53
6074	11/25/2021	16	4	30.54	Yes	18.55	-11.99
6075	11/25/2021	16	5	30.75	Yes	18.55	-12.20
6076	11/25/2021	16	6	35.57	Yes	18.55	-17.02

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6077	11/25/2021	16	7	42.00	Yes	18.55	-23.45
6078	11/25/2021	16	8	46.26	Yes	18.55	-27.71
6079	11/25/2021	16	9	49.24	Yes	18.55	-30.69
6080	11/25/2021	16	10	65.35	Yes	18.55	-46.80
6081	11/25/2021	16	11	73.99	Yes	18.55	-55.44
6082	11/25/2021	16	12	78.19	Yes	18.55	-59.64
6083	11/25/2021	17	1	45.68	Yes	18.55	-27.13
6084	11/25/2021	17	2	47.63	Yes	18.55	-29.08
6085	11/25/2021	17	3	49.73	Yes	18.55	-31.18
6086	11/25/2021	17	4	53.55	Yes	18.55	-35.00
6087	11/25/2021	17	5	57.32	Yes	18.55	-38.77
6088	11/25/2021	17	6	58.77	Yes	18.55	-40.22
6089	11/25/2021	17	7	61.53	Yes	18.55	-42.98
6090	11/25/2021	17	8	61.53	Yes	18.55	-42.98
6091	11/25/2021	17	9	63.80	Yes	18.55	-45.25
6092	11/25/2021	17	10	65.62	Yes	18.55	-47.07
6093	11/25/2021	17	11	71.44	Yes	18.55	-52.89
6094	11/25/2021	17	12	66.17	Yes	18.55	-47.62
6095	11/25/2021	18	1	56.31	Yes	18.55	-37.76
6096	11/25/2021	18	2	54.27	Yes	18.55	-35.72
6097	11/25/2021	18	3	53.91	Yes	18.55	-35.36
6098	11/25/2021	18	4	54.07	Yes	18.55	-35.52
6099	11/25/2021	18	5	53.82	Yes	18.55	-35.27
6100	11/25/2021	18	6	53.78	Yes	18.55	-35.23
6101	11/25/2021	18	7	52.42	Yes	18.55	-33.87
6102	11/25/2021	18	8	52.06	Yes	18.55	-33.51
6103	11/25/2021	18	9	52.19	Yes	18.55	-33.64
6104	11/25/2021	18	10	52.27	Yes	18.55	-33.72
6105	11/25/2021	18	11	51.88	Yes	18.55	-33.33
6106	11/25/2021	18	12	51.88	Yes	18.55	-33.33
6107	11/25/2021	19	1	50.40	Yes	18.55	-31.85
6108	11/25/2021	19	2	50.43	Yes	18.55	-31.88
6109	11/25/2021	19	3	50.40	Yes	18.55	-31.85
6110	11/25/2021	19	4	49.38	Yes	18.55	-30.83
6111	11/25/2021	19	5	49.38	Yes	18.55	-30.83
6112	11/25/2021	19	6	49.02	Yes	18.55	-30.47
6113	11/25/2021	19	7	47.69	Yes	18.55	-29.14
6114	11/25/2021	19	8	46.79	Yes	18.55	-28.24

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6115	11/25/2021	19	9	46.46	Yes	18.55	-27.91
6116	11/25/2021	19	10	46.15	Yes	18.55	-27.60
6117	11/25/2021	19	11	46.41	Yes	18.55	-27.86
6118	11/25/2021	19	12	45.89	Yes	18.55	-27.34
6119	11/25/2021	20	1	47.90	Yes	18.55	-29.35
6120	11/25/2021	20	2	47.12	Yes	18.55	-28.57
6121	11/25/2021	20	3	46.03	Yes	18.55	-27.48
6122	11/25/2021	20	4	45.82	Yes	18.55	-27.27
6123	11/25/2021	20	5	46.79	Yes	18.55	-28.24
6124	11/25/2021	20	6	47.56	Yes	18.55	-29.01
6125	11/25/2021	20	7	47.36	Yes	18.55	-28.81
6126	11/25/2021	20	8	46.72	Yes	18.55	-28.17
6127	11/25/2021	20	9	46.72	Yes	18.55	-28.17
6128	11/25/2021	20	10	46.71	Yes	18.55	-28.16
6129	11/25/2021	20	11	46.05	Yes	18.55	-27.50
6130	11/25/2021	20	12	46.05	Yes	18.55	-27.50
6131	11/25/2021	21	1	49.69	Yes	18.55	-31.14
6132	11/25/2021	21	2	49.84	Yes	18.55	-31.29
6133	11/25/2021	21	3	49.07	Yes	18.55	-30.52
6134	11/25/2021	21	4	48.41	Yes	18.55	-29.86
6135	11/25/2021	21	5	48.83	Yes	18.55	-30.28
6136	11/25/2021	21	6	49.63	Yes	18.55	-31.08
6137	11/25/2021	21	7	49.10	Yes	18.55	-30.55
6138	11/25/2021	21	8	49.44	Yes	18.55	-30.89
6139	11/25/2021	21	9	49.39	Yes	18.55	-30.84
6140	11/25/2021	21	10	49.23	Yes	18.55	-30.68
6141	11/25/2021	21	11	49.25	Yes	18.55	-30.70
6142	11/25/2021	21	12	49.25	Yes	18.55	-30.70
6143	11/25/2021	22	1	51.26	Yes	18.55	-32.71
6144	11/25/2021	22	2	51.64	Yes	18.55	-33.09
6145	11/25/2021	22	3	49.89	Yes	18.55	-31.34
6146	11/25/2021	22	4	49.09	Yes	18.55	-30.54
6147	11/25/2021	22	5	49.35	Yes	18.55	-30.80
6148	11/25/2021	22	6	49.86	Yes	18.55	-31.31
6149	11/25/2021	22	7	48.32	Yes	18.55	-29.77
6150	11/25/2021	22	8	47.97	Yes	18.55	-29.42
6151	11/25/2021	22	9	47.88	Yes	18.55	-29.33
6152	11/25/2021	22	10	46.68	Yes	18.55	-28.13

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6153	11/25/2021	22	11	46.68	Yes	18.55	-28.13
6154	11/25/2021	22	12	47.45	Yes	18.55	-28.90
6155	11/25/2021	23	1	50.92	Yes	18.55	-32.37
6156	11/25/2021	23	2	51.78	Yes	18.55	-33.23
6157	11/25/2021	23	3	51.27	Yes	18.55	-32.72
6158	11/25/2021	23	4	50.34	Yes	18.55	-31.79
6159	11/25/2021	23	5	50.44	Yes	18.55	-31.89
6160	11/25/2021	23	6	50.14	Yes	18.55	-31.59
6161	11/25/2021	23	7	48.87	Yes	18.55	-30.32
6162	11/25/2021	23	8	48.82	Yes	18.55	-30.27
6163	11/25/2021	23	9	48.82	Yes	18.55	-30.27
6164	11/25/2021	23	10	47.95	Yes	18.55	-29.40
6165	11/25/2021	23	11	47.84	Yes	18.55	-29.29
6166	11/25/2021	23	12	47.77	Yes	18.55	-29.22
6167	11/25/2021	24	1	49.15	Yes	18.55	-30.60
6168	11/25/2021	24	2	49.10	Yes	18.55	-30.55
6169	11/25/2021	24	3	48.67	Yes	18.55	-30.12
6170	11/25/2021	24	4	48.27	Yes	18.55	-29.72
6171	11/25/2021	24	5	47.37	Yes	18.55	-28.82
6172	11/25/2021	24	6	47.31	Yes	18.55	-28.76
6173	11/25/2021	24	7	46.48	Yes	18.55	-27.93
6174	11/25/2021	24	8	46.03	Yes	18.55	-27.48
6175	11/25/2021	24	9	45.75	Yes	18.55	-27.20
6176	11/25/2021	24	10	45.30	Yes	18.55	-26.75
6177	11/25/2021	24	11	44.87	Yes	18.55	-26.32
6178	11/25/2021	24	12	44.29	Yes	18.55	-25.74
6179	11/26/2021	1	1	47.07	Yes	18.55	-28.52
6180	11/26/2021	1	2	48.00	Yes	18.55	-29.45
6181	11/26/2021	1	3	47.33	Yes	18.55	-28.78
6182	11/26/2021	1	4	46.67	Yes	18.55	-28.12
6183	11/26/2021	1	5	46.67	Yes	18.55	-28.12
6184	11/26/2021	1	6	46.29	Yes	18.55	-27.74
6185	11/26/2021	1	7	43.96	Yes	18.55	-25.41
6186	11/26/2021	1	8	43.94	Yes	18.55	-25.39
6187	11/26/2021	1	9	43.56	Yes	18.55	-25.01
6188	11/26/2021	1	10	45.31	Yes	18.55	-26.76
6189	11/26/2021	1	11	45.13	Yes	18.55	-26.58
6190	11/26/2021	1	12	45.13	Yes	18.55	-26.58

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6191	11/26/2021	2	1	47.90	Yes	18.55	-29.35
6192	11/26/2021	2	2	47.88	Yes	18.55	-29.33
6193	11/26/2021	2	3	47.38	Yes	18.55	-28.83
6194	11/26/2021	2	4	46.58	Yes	18.55	-28.03
6195	11/26/2021	2	5	46.21	Yes	18.55	-27.66
6196	11/26/2021	2	6	46.18	Yes	18.55	-27.63
6197	11/26/2021	2	7	45.21	Yes	18.55	-26.66
6198	11/26/2021	2	8	44.70	Yes	18.55	-26.15
6199	11/26/2021	2	9	44.08	Yes	18.55	-25.53
6200	11/26/2021	2	10	43.76	Yes	18.55	-25.21
6201	11/26/2021	2	11	43.52	Yes	18.55	-24.97
6202	11/26/2021	2	12	43.76	Yes	18.55	-25.21
6203	11/26/2021	3	1	44.06	Yes	18.55	-25.51
6204	11/26/2021	3	2	45.33	Yes	18.55	-26.78
6205	11/26/2021	3	3	45.80	Yes	18.55	-27.25
6206	11/26/2021	3	4	45.74	Yes	18.55	-27.19
6207	11/26/2021	3	5	45.75	Yes	18.55	-27.20
6208	11/26/2021	3	6	45.63	Yes	18.55	-27.08
6209	11/26/2021	3	7	44.96	Yes	18.55	-26.41
6210	11/26/2021	3	8	44.73	Yes	18.55	-26.18
6211	11/26/2021	3	9	44.48	Yes	18.55	-25.93
6212	11/26/2021	3	10	44.75	Yes	18.55	-26.20
6213	11/26/2021	3	11	44.87	Yes	18.55	-26.32
6214	11/26/2021	3	12	44.52	Yes	18.55	-25.97
6215	11/26/2021	4	1	44.36	Yes	18.55	-25.81
6216	11/26/2021	4	2	44.38	Yes	18.55	-25.83
6217	11/26/2021	4	3	44.14	Yes	18.55	-25.59
6218	11/26/2021	4	4	44.41	Yes	18.55	-25.86
6219	11/26/2021	4	5	43.96	Yes	18.55	-25.41
6220	11/26/2021	4	6	42.87	Yes	18.55	-24.32
6221	11/26/2021	4	7	42.53	Yes	18.55	-23.98
6222	11/26/2021	4	8	41.65	Yes	18.55	-23.10
6223	11/26/2021	4	9	41.65	Yes	18.55	-23.10
6224	11/26/2021	4	10	41.71	Yes	18.55	-23.16
6225	11/26/2021	4	11	41.71	Yes	18.55	-23.16
6226	11/26/2021	4	12	41.71	Yes	18.55	-23.16
6227	11/26/2021	5	1	41.57	Yes	18.55	-23.02
6228	11/26/2021	5	2	40.80	Yes	18.55	-22.25

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6229	11/26/2021	5	3	41.16	Yes	18.55	-22.61
6230	11/26/2021	5	4	41.81	Yes	18.55	-23.26
6231	11/26/2021	5	5	41.81	Yes	18.55	-23.26
6232	11/26/2021	5	6	41.81	Yes	18.55	-23.26
6233	11/26/2021	5	7	42.83	Yes	18.55	-24.28
6234	11/26/2021	5	8	42.13	Yes	18.55	-23.58
6235	11/26/2021	5	9	42.13	Yes	18.55	-23.58
6236	11/26/2021	5	10	43.01	Yes	18.55	-24.46
6237	11/26/2021	5	11	43.01	Yes	18.55	-24.46
6238	11/26/2021	5	12	42.31	Yes	18.55	-23.76
6239	11/26/2021	6	1	40.74	Yes	18.55	-22.19
6240	11/26/2021	6	2	44.81	Yes	18.55	-26.26
6241	11/26/2021	6	3	45.61	Yes	18.55	-27.06
6242	11/26/2021	6	4	46.54	Yes	18.55	-27.99
6243	11/26/2021	6	5	47.11	Yes	18.55	-28.56
6244	11/26/2021	6	6	46.54	Yes	18.55	-27.99
6245	11/26/2021	6	7	47.18	Yes	18.55	-28.63
6246	11/26/2021	6	8	48.29	Yes	18.55	-29.74
6247	11/26/2021	6	9	49.14	Yes	18.55	-30.59
6248	11/26/2021	6	10	49.87	Yes	18.55	-31.32
6249	11/26/2021	6	11	49.92	Yes	18.55	-31.37
6250	11/26/2021	6	12	49.29	Yes	18.55	-30.74
6251	11/26/2021	7	1	51.48	Yes	18.55	-32.93
6252	11/26/2021	7	2	51.39	Yes	18.55	-32.84
6253	11/26/2021	7	3	51.21	Yes	18.55	-32.66
6254	11/26/2021	7	4	52.88	Yes	18.55	-34.33
6255	11/26/2021	7	5	52.88	Yes	18.55	-34.33
6256	11/26/2021	7	6	52.43	Yes	18.55	-33.88
6257	11/26/2021	7	7	52.33	Yes	18.55	-33.78
6258	11/26/2021	7	8	53.41	Yes	18.55	-34.86
6259	11/26/2021	7	9	51.58	Yes	18.55	-33.03
6260	11/26/2021	7	10	51.40	Yes	18.55	-32.85
6261	11/26/2021	7	11	51.40	Yes	18.55	-32.85
6262	11/26/2021	7	12	48.82	Yes	18.55	-30.27
6263	11/26/2021	8	1	62.61	Yes	18.55	-44.06
6264	11/26/2021	8	2	62.52	Yes	18.55	-43.97
6265	11/26/2021	8	3	60.25	Yes	18.55	-41.70
6266	11/26/2021	8	4	58.87	Yes	18.55	-40.32



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6267	11/26/2021	8	5	55.65	Yes	18.55	-37.10
6268	11/26/2021	8	6	52.23	Yes	18.55	-33.68
6269	11/26/2021	8	7	48.27	Yes	18.55	-29.72
6270	11/26/2021	8	8	37.92	Yes	18.55	-19.37
6271	11/26/2021	8	9	33.99	Yes	18.55	-15.44
6272	11/26/2021	8	10	27.62	Yes	18.55	-9.07
6273	11/26/2021	8	11	20.07	Yes	18.55	-1.52
6274	11/26/2021	8	12	6.41	Yes	18.55	12.14
6275	11/26/2021	9	1	34.58	Yes	18.55	-16.03
6276	11/26/2021	9	2	36.66	Yes	18.55	-18.11
6277	11/26/2021	9	3	45.70	Yes	18.55	-27.15
6278	11/26/2021	9	4	46.62	Yes	18.55	-28.07
6279	11/26/2021	9	5	34.14	Yes	18.55	-15.59
6280	11/26/2021	9	6	34.15	Yes	18.55	-15.60
6281	11/26/2021	9	7	35.98	Yes	18.55	-17.43
6282	11/26/2021	9	8	34.20	Yes	18.55	-15.65
6283	11/26/2021	9	9	34.17	Yes	18.55	-15.62
6284	11/26/2021	9	10	33.47	Yes	18.55	-14.92
6285	11/26/2021	9	11	31.37	Yes	18.55	-12.82
6286	11/26/2021	9	12	29.39	Yes	18.55	-10.84
6287	11/26/2021	10	1	37.08	Yes	18.55	-18.53
6288	11/26/2021	10	2	36.18	Yes	18.55	-17.63
6289	11/26/2021	10	3	35.04	Yes	18.55	-16.49
6290	11/26/2021	10	4	34.19	Yes	18.55	-15.64
6291	11/26/2021	10	5	32.35	Yes	18.55	-13.80
6292	11/26/2021	10	6	31.09	Yes	18.55	-12.54
6293	11/26/2021	10	7	23.41	Yes	18.55	-4.86
6294	11/26/2021	10	8	20.01	Yes	18.55	-1.46
6295	11/26/2021	10	9	15.55	Yes	18.55	3.00
6296	11/26/2021	10	10	15.20	Yes	18.55	3.35
6297	11/26/2021	10	11	15.20	Yes	18.55	3.35
6298	11/26/2021	10	12	24.12	Yes	18.55	-5.57
6299	11/26/2021	11	1	19.33	Yes	18.55	-0.78
6300	11/26/2021	11	2	16.67	Yes	18.55	1.88
6301	11/26/2021	11	3	19.22	Yes	18.55	-0.67
6302	11/26/2021	11	4	16.07	Yes	18.55	2.48
6303	11/26/2021	11	5	16.06	Yes	18.55	2.49
6304	11/26/2021	11	6	14.22	Yes	18.55	4.33

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6305	11/26/2021	11	7	14.69	Yes	18.55	3.86
6306	11/26/2021	11	8	15.08	Yes	18.55	3.47
6307	11/26/2021	11	9	19.02	Yes	18.55	-0.47
6308	11/26/2021	11	10	25.26	Yes	18.55	-6.71
6309	11/26/2021	11	11	21.04	Yes	18.55	-2.49
6310	11/26/2021	11	12	12.47	Yes	18.55	6.08
6311	11/26/2021	12	1	18.66	Yes	18.55	-0.11
6312	11/26/2021	12	2	14.24	Yes	18.55	4.31
6313	11/26/2021	12	3	14.32	Yes	18.55	4.23
6314	11/26/2021	12	4	-0.01	Yes	18.55	18.56
6315	11/26/2021	12	5	-0.01	Yes	18.55	18.56
6316	11/26/2021	12	6	-0.01	Yes	18.55	18.56
6317	11/26/2021	12	7	14.70	Yes	18.55	3.85
6318	11/26/2021	12	8	0.05	Yes	18.55	18.50
6319	11/26/2021	12	9	-0.01	Yes	18.55	18.56
6320	11/26/2021	12	10	-0.01	Yes	18.55	18.56
6321	11/26/2021	12	11	-0.01	Yes	18.55	18.56
6322	11/26/2021	12	12	-0.01	Yes	18.55	18.56
6323	11/26/2021	13	1	9.93	Yes	18.55	8.62
6324	11/26/2021	13	2	9.90	Yes	18.55	8.65
6325	11/26/2021	13	3	3.58	Yes	18.55	14.97
6326	11/26/2021	13	4	-0.01	Yes	18.55	18.56
6327	11/26/2021	13	5	0.00	Yes	18.55	18.55
6328	11/26/2021	13	6	0.05	Yes	18.55	18.50
6329	11/26/2021	13	7	-0.01	Yes	18.55	18.56
6330	11/26/2021	13	8	0.00	Yes	18.55	18.55
6331	11/26/2021	13	9	-0.01	Yes	18.55	18.56
6332	11/26/2021	13	10	-0.01	Yes	18.55	18.56
6333	11/26/2021	13	11	-0.01	Yes	18.55	18.56
6334	11/26/2021	13	12	-0.01	Yes	18.55	18.56
6335	11/26/2021	14	1	-0.01	Yes	18.55	18.56
6336	11/26/2021	14	2	-0.01	Yes	18.55	18.56
6337	11/26/2021	14	3	-0.01	Yes	18.55	18.56
6338	11/26/2021	14	4	13.86	Yes	18.55	4.69
6339	11/26/2021	14	5	14.12	Yes	18.55	4.43
6340	11/26/2021	14	6	11.20	Yes	18.55	7.35
6341	11/26/2021	14	7	7.15	Yes	18.55	11.40
6342	11/26/2021	14	8	6.97	Yes	18.55	11.58

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6343	11/26/2021	14	9	11.01	Yes	18.55	7.54
6344	11/26/2021	14	10	7.17	Yes	18.55	11.38
6345	11/26/2021	14	11	11.33	Yes	18.55	7.22
6346	11/26/2021	14	12	14.87	Yes	18.55	3.68
6347	11/26/2021	15	1	-0.01	Yes	18.55	18.56
6348	11/26/2021	15	2	-0.01	Yes	18.55	18.56
6349	11/26/2021	15	3	-0.01	Yes	18.55	18.56
6350	11/26/2021	15	4	16.07	Yes	18.55	2.48
6351	11/26/2021	15	5	28.25	Yes	18.55	-9.70
6352	11/26/2021	15	6	31.34	Yes	18.55	-12.79
6353	11/26/2021	15	7	31.98	Yes	18.55	-13.43
6354	11/26/2021	15	8	37.40	Yes	18.55	-18.85
6355	11/26/2021	15	9	37.14	Yes	18.55	-18.59
6356	11/26/2021	15	10	38.87	Yes	18.55	-20.32
6357	11/26/2021	15	11	38.88	Yes	18.55	-20.33
6358	11/26/2021	15	12	36.85	Yes	18.55	-18.30
6359	11/26/2021	16	1	22.13	Yes	18.55	-3.58
6360	11/26/2021	16	2	26.64	Yes	18.55	-8.09
6361	11/26/2021	16	3	30.27	Yes	18.55	-11.72
6362	11/26/2021	16	4	31.82	Yes	18.55	-13.27
6363	11/26/2021	16	5	39.87	Yes	18.55	-21.32
6364	11/26/2021	16	6	43.14	Yes	18.55	-24.59
6365	11/26/2021	16	7	51.36	Yes	18.55	-32.81
6366	11/26/2021	16	8	58.62	Yes	18.55	-40.07
6367	11/26/2021	16	9	60.41	Yes	18.55	-41.86
6368	11/26/2021	16	10	72.66	Yes	18.55	-54.11
6369	11/26/2021	16	11	76.17	Yes	18.55	-57.62
6370	11/26/2021	16	12	74.33	Yes	18.55	-55.78
6371	11/26/2021	17	1	51.41	Yes	18.55	-32.86
6372	11/26/2021	17	2	44.52	Yes	18.55	-25.97
6373	11/26/2021	17	3	44.44	Yes	18.55	-25.89
6374	11/26/2021	17	4	47.52	Yes	18.55	-28.97
6375	11/26/2021	17	5	48.71	Yes	18.55	-30.16
6376	11/26/2021	17	6	52.99	Yes	18.55	-34.44
6377	11/26/2021	17	7	53.32	Yes	18.55	-34.77
6378	11/26/2021	17	8	54.85	Yes	18.55	-36.30
6379	11/26/2021	17	9	56.22	Yes	18.55	-37.67
6380	11/26/2021	17	10	56.89	Yes	18.55	-38.34

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6381	11/26/2021	17	11	57.04	Yes	18.55	-38.49
6382	11/26/2021	17	12	59.32	Yes	18.55	-40.77
6383	11/26/2021	18	1	58.72	Yes	18.55	-40.17
6384	11/26/2021	18	2	58.59	Yes	18.55	-40.04
6385	11/26/2021	18	3	58.39	Yes	18.55	-39.84
6386	11/26/2021	18	4	58.13	Yes	18.55	-39.58
6387	11/26/2021	18	5	57.27	Yes	18.55	-38.72
6388	11/26/2021	18	6	56.64	Yes	18.55	-38.09
6389	11/26/2021	18	7	55.40	Yes	18.55	-36.85
6390	11/26/2021	18	8	54.40	Yes	18.55	-35.85
6391	11/26/2021	18	9	54.54	Yes	18.55	-35.99
6392	11/26/2021	18	10	53.80	Yes	18.55	-35.25
6393	11/26/2021	18	11	53.80	Yes	18.55	-35.25
6394	11/26/2021	18	12	53.91	Yes	18.55	-35.36
6395	11/26/2021	19	1	52.83	Yes	18.55	-34.28
6396	11/26/2021	19	2	51.56	Yes	18.55	-33.01
6397	11/26/2021	19	3	51.46	Yes	18.55	-32.91
6398	11/26/2021	19	4	51.41	Yes	18.55	-32.86
6399	11/26/2021	19	5	52.32	Yes	18.55	-33.77
6400	11/26/2021	19	6	52.19	Yes	18.55	-33.64
6401	11/26/2021	19	7	52.61	Yes	18.55	-34.06
6402	11/26/2021	19	8	52.02	Yes	18.55	-33.47
6403	11/26/2021	19	9	51.00	Yes	18.55	-32.45
6404	11/26/2021	19	10	50.75	Yes	18.55	-32.20
6405	11/26/2021	19	11	50.87	Yes	18.55	-32.32
6406	11/26/2021	19	12	50.98	Yes	18.55	-32.43
6407	11/26/2021	20	1	56.02	Yes	18.55	-37.47
6408	11/26/2021	20	2	55.82	Yes	18.55	-37.27
6409	11/26/2021	20	3	55.82	Yes	18.55	-37.27
6410	11/26/2021	20	4	55.48	Yes	18.55	-36.93
6411	11/26/2021	20	5	54.95	Yes	18.55	-36.40
6412	11/26/2021	20	6	56.23	Yes	18.55	-37.68
6413	11/26/2021	20	7	55.29	Yes	18.55	-36.74
6414	11/26/2021	20	8	55.18	Yes	18.55	-36.63
6415	11/26/2021	20	9	54.56	Yes	18.55	-36.01
6416	11/26/2021	20	10	53.93	Yes	18.55	-35.38
6417	11/26/2021	20	11	54.85	Yes	18.55	-36.30
6418	11/26/2021	20	12	54.85	Yes	18.55	-36.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6419	11/26/2021	21	1	59.60	Yes	18.55	-41.05
6420	11/26/2021	21	2	58.93	Yes	18.55	-40.38
6421	11/26/2021	21	3	58.09	Yes	18.55	-39.54
6422	11/26/2021	21	4	57.21	Yes	18.55	-38.66
6423	11/26/2021	21	5	57.55	Yes	18.55	-39.00
6424	11/26/2021	21	6	58.80	Yes	18.55	-40.25
6425	11/26/2021	21	7	58.55	Yes	18.55	-40.00
6426	11/26/2021	21	8	58.20	Yes	18.55	-39.65
6427	11/26/2021	21	9	58.20	Yes	18.55	-39.65
6428	11/26/2021	21	10	57.69	Yes	18.55	-39.14
6429	11/26/2021	21	11	56.06	Yes	18.55	-37.51
6430	11/26/2021	21	12	57.33	Yes	18.55	-38.78
6431	11/26/2021	22	1	58.97	Yes	18.55	-40.42
6432	11/26/2021	22	2	58.71	Yes	18.55	-40.16
6433	11/26/2021	22	3	56.69	Yes	18.55	-38.14
6434	11/26/2021	22	4	56.10	Yes	18.55	-37.55
6435	11/26/2021	22	5	56.45	Yes	18.55	-37.90
6436	11/26/2021	22	6	55.22	Yes	18.55	-36.67
6437	11/26/2021	22	7	54.55	Yes	18.55	-36.00
6438	11/26/2021	22	8	54.14	Yes	18.55	-35.59
6439	11/26/2021	22	9	54.14	Yes	18.55	-35.59
6440	11/26/2021	22	10	53.92	Yes	18.55	-35.37
6441	11/26/2021	22	11	53.92	Yes	18.55	-35.37
6442	11/26/2021	22	12	53.92	Yes	18.55	-35.37
6443	11/26/2021	23	1	57.06	Yes	18.55	-38.51
6444	11/26/2021	23	2	58.46	Yes	18.55	-39.91
6445	11/26/2021	23	3	58.01	Yes	18.55	-39.46
6446	11/26/2021	23	4	56.26	Yes	18.55	-37.71
6447	11/26/2021	23	5	57.27	Yes	18.55	-38.72
6448	11/26/2021	23	6	56.02	Yes	18.55	-37.47
6449	11/26/2021	23	7	55.38	Yes	18.55	-36.83
6450	11/26/2021	23	8	54.46	Yes	18.55	-35.91
6451	11/26/2021	23	9	55.03	Yes	18.55	-36.48
6452	11/26/2021	23	10	53.67	Yes	18.55	-35.12
6453	11/26/2021	23	11	53.67	Yes	18.55	-35.12
6454	11/26/2021	23	12	54.65	Yes	18.55	-36.10
6455	11/26/2021	24	1	53.40	Yes	18.55	-34.85
6456	11/26/2021	24	2	54.14	Yes	18.55	-35.59

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6457	11/26/2021	24	3	53.42	Yes	18.55	-34.87
6458	11/26/2021	24	4	53.55	Yes	18.55	-35.00
6459	11/26/2021	24	5	52.86	Yes	18.55	-34.31
6460	11/26/2021	24	6	51.93	Yes	18.55	-33.38
6461	11/26/2021	24	7	52.16	Yes	18.55	-33.61
6462	11/26/2021	24	8	51.76	Yes	18.55	-33.21
6463	11/26/2021	24	9	51.03	Yes	18.55	-32.48
6464	11/26/2021	24	10	50.74	Yes	18.55	-32.19
6465	11/26/2021	24	11	50.74	Yes	18.55	-32.19
6466	11/26/2021	24	12	50.58	Yes	18.55	-32.03
6467	11/27/2021	1	1	54.11	Yes	18.55	-35.56
6468	11/27/2021	1	2	55.36	Yes	18.55	-36.81
6469	11/27/2021	1	3	52.12	Yes	18.55	-33.57
6470	11/27/2021	1	4	52.01	Yes	18.55	-33.46
6471	11/27/2021	1	5	52.01	Yes	18.55	-33.46
6472	11/27/2021	1	6	51.77	Yes	18.55	-33.22
6473	11/27/2021	1	7	51.24	Yes	18.55	-32.69
6474	11/27/2021	1	8	51.55	Yes	18.55	-33.00
6475	11/27/2021	1	9	51.31	Yes	18.55	-32.76
6476	11/27/2021	1	10	52.17	Yes	18.55	-33.62
6477	11/27/2021	1	11	51.66	Yes	18.55	-33.11
6478	11/27/2021	1	12	49.72	Yes	18.55	-31.17
6479	11/27/2021	2	1	54.34	Yes	18.55	-35.79
6480	11/27/2021	2	2	54.31	Yes	18.55	-35.76
6481	11/27/2021	2	3	53.18	Yes	18.55	-34.63
6482	11/27/2021	2	4	52.10	Yes	18.55	-33.55
6483	11/27/2021	2	5	52.98	Yes	18.55	-34.43
6484	11/27/2021	2	6	52.98	Yes	18.55	-34.43
6485	11/27/2021	2	7	52.78	Yes	18.55	-34.23
6486	11/27/2021	2	8	52.38	Yes	18.55	-33.83
6487	11/27/2021	2	9	52.28	Yes	18.55	-33.73
6488	11/27/2021	2	10	52.05	Yes	18.55	-33.50
6489	11/27/2021	2	11	51.98	Yes	18.55	-33.43
6490	11/27/2021	2	12	51.98	Yes	18.55	-33.43
6491	11/27/2021	3	1	54.35	Yes	18.55	-35.80
6492	11/27/2021	3	2	54.35	Yes	18.55	-35.80
6493	11/27/2021	3	3	54.14	Yes	18.55	-35.59
6494	11/27/2021	3	4	54.28	Yes	18.55	-35.73

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6495	11/27/2021	3	5	55.10	Yes	18.55	-36.55
6496	11/27/2021	3	6	54.37	Yes	18.55	-35.82
6497	11/27/2021	3	7	53.25	Yes	18.55	-34.70
6498	11/27/2021	3	8	53.25	Yes	18.55	-34.70
6499	11/27/2021	3	9	52.97	Yes	18.55	-34.42
6500	11/27/2021	3	10	52.85	Yes	18.55	-34.30
6501	11/27/2021	3	11	52.85	Yes	18.55	-34.30
6502	11/27/2021	3	12	52.85	Yes	18.55	-34.30
6503	11/27/2021	4	1	52.66	Yes	18.55	-34.11
6504	11/27/2021	4	2	52.61	Yes	18.55	-34.06
6505	11/27/2021	4	3	52.44	Yes	18.55	-33.89
6506	11/27/2021	4	4	52.46	Yes	18.55	-33.91
6507	11/27/2021	4	5	52.65	Yes	18.55	-34.10
6508	11/27/2021	4	6	52.65	Yes	18.55	-34.10
6509	11/27/2021	4	7	51.97	Yes	18.55	-33.42
6510	11/27/2021	4	8	52.00	Yes	18.55	-33.45
6511	11/27/2021	4	9	52.10	Yes	18.55	-33.55
6512	11/27/2021	4	10	52.10	Yes	18.55	-33.55
6513	11/27/2021	4	11	51.90	Yes	18.55	-33.35
6514	11/27/2021	4	12	51.90	Yes	18.55	-33.35
6515	11/27/2021	5	1	50.82	Yes	18.55	-32.27
6516	11/27/2021	5	2	50.94	Yes	18.55	-32.39
6517	11/27/2021	5	3	50.94	Yes	18.55	-32.39
6518	11/27/2021	5	4	51.16	Yes	18.55	-32.61
6519	11/27/2021	5	5	51.72	Yes	18.55	-33.17
6520	11/27/2021	5	6	52.27	Yes	18.55	-33.72
6521	11/27/2021	5	7	51.98	Yes	18.55	-33.43
6522	11/27/2021	5	8	52.18	Yes	18.55	-33.63
6523	11/27/2021	5	9	52.20	Yes	18.55	-33.65
6524	11/27/2021	5	10	52.44	Yes	18.55	-33.89
6525	11/27/2021	5	11	52.32	Yes	18.55	-33.77
6526	11/27/2021	5	12	56.24	Yes	18.55	-37.69
6527	11/27/2021	6	1	54.27	Yes	18.55	-35.72
6528	11/27/2021	6	2	54.27	Yes	18.55	-35.72
6529	11/27/2021	6	3	56.00	Yes	18.55	-37.45
6530	11/27/2021	6	4	56.16	Yes	18.55	-37.61
6531	11/27/2021	6	5	60.99	Yes	18.55	-42.44
6532	11/27/2021	6	6	61.13	Yes	18.55	-42.58

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6533	11/27/2021	6	7	62.50	Yes	18.55	-43.95
6534	11/27/2021	6	8	62.63	Yes	18.55	-44.08
6535	11/27/2021	6	9	64.87	Yes	18.55	-46.32
6536	11/27/2021	6	10	65.38	Yes	18.55	-46.83
6537	11/27/2021	6	11	64.35	Yes	18.55	-45.80
6538	11/27/2021	6	12	61.66	Yes	18.55	-43.11
6539	11/27/2021	7	1	61.30	Yes	18.55	-42.75
6540	11/27/2021	7	2	61.24	Yes	18.55	-42.69
6541	11/27/2021	7	3	61.06	Yes	18.55	-42.51
6542	11/27/2021	7	4	61.51	Yes	18.55	-42.96
6543	11/27/2021	7	5	64.23	Yes	18.55	-45.68
6544	11/27/2021	7	6	64.15	Yes	18.55	-45.60
6545	11/27/2021	7	7	64.25	Yes	18.55	-45.70
6546	11/27/2021	7	8	64.28	Yes	18.55	-45.73
6547	11/27/2021	7	9	64.28	Yes	18.55	-45.73
6548	11/27/2021	7	10	64.39	Yes	18.55	-45.84
6549	11/27/2021	7	11	64.10	Yes	18.55	-45.55
6550	11/27/2021	7	12	66.83	Yes	18.55	-48.28
6551	11/27/2021	8	1	73.43	Yes	18.55	-54.88
6552	11/27/2021	8	2	74.34	Yes	18.55	-55.79
6553	11/27/2021	8	3	74.34	Yes	18.55	-55.79
6554	11/27/2021	8	4	70.37	Yes	18.55	-51.82
6555	11/27/2021	8	5	71.79	Yes	18.55	-53.24
6556	11/27/2021	8	6	62.90	Yes	18.55	-44.35
6557	11/27/2021	8	7	56.54	Yes	18.55	-37.99
6558	11/27/2021	8	8	51.91	Yes	18.55	-33.36
6559	11/27/2021	8	9	45.61	Yes	18.55	-27.06
6560	11/27/2021	8	10	38.14	Yes	18.55	-19.59
6561	11/27/2021	8	11	35.74	Yes	18.55	-17.19
6562	11/27/2021	8	12	34.33	Yes	18.55	-15.78
6563	11/27/2021	9	1	43.47	Yes	18.55	-24.92
6564	11/27/2021	9	2	46.43	Yes	18.55	-27.88
6565	11/27/2021	9	3	48.48	Yes	18.55	-29.93
6566	11/27/2021	9	4	47.84	Yes	18.55	-29.29
6567	11/27/2021	9	5	42.73	Yes	18.55	-24.18
6568	11/27/2021	9	6	43.53	Yes	18.55	-24.98
6569	11/27/2021	9	7	46.68	Yes	18.55	-28.13
6570	11/27/2021	9	8	43.43	Yes	18.55	-24.88



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6571	11/27/2021	9	9	37.66	Yes	18.55	-19.11
6572	11/27/2021	9	10	44.98	Yes	18.55	-26.43
6573	11/27/2021	9	11	44.32	Yes	18.55	-25.77
6574	11/27/2021	9	12	44.26	Yes	18.55	-25.71
6575	11/27/2021	10	1	46.14	Yes	18.55	-27.59
6576	11/27/2021	10	2	41.80	Yes	18.55	-23.25
6577	11/27/2021	10	3	40.01	Yes	18.55	-21.46
6578	11/27/2021	10	4	48.41	Yes	18.55	-29.86
6579	11/27/2021	10	5	49.27	Yes	18.55	-30.72
6580	11/27/2021	10	6	51.91	Yes	18.55	-33.36
6581	11/27/2021	10	7	47.58	Yes	18.55	-29.03
6582	11/27/2021	10	8	45.75	Yes	18.55	-27.20
6583	11/27/2021	10	9	39.28	Yes	18.55	-20.73
6584	11/27/2021	10	10	60.84	Yes	18.55	-42.29
6585	11/27/2021	10	11	60.71	Yes	18.55	-42.16
6586	11/27/2021	10	12	60.47	Yes	18.55	-41.92
6587	11/27/2021	11	1	60.79	Yes	18.55	-42.24
6588	11/27/2021	11	2	61.81	Yes	18.55	-43.26
6589	11/27/2021	11	3	60.93	Yes	18.55	-42.38
6590	11/27/2021	11	4	60.05	Yes	18.55	-41.50
6591	11/27/2021	11	5	59.77	Yes	18.55	-41.22
6592	11/27/2021	11	6	59.14	Yes	18.55	-40.59
6593	11/27/2021	11	7	57.91	Yes	18.55	-39.36
6594	11/27/2021	11	8	59.05	Yes	18.55	-40.50
6595	11/27/2021	11	9	53.26	Yes	18.55	-34.71
6596	11/27/2021	11	10	42.46	Yes	18.55	-23.91
6597	11/27/2021	11	11	48.38	Yes	18.55	-29.83
6598	11/27/2021	11	12	47.78	Yes	18.55	-29.23
6599	11/27/2021	12	1	49.42	Yes	18.55	-30.87
6600	11/27/2021	12	2	48.51	Yes	18.55	-29.96
6601	11/27/2021	12	3	48.55	Yes	18.55	-30.00
6602	11/27/2021	12	4	48.93	Yes	18.55	-30.38
6603	11/27/2021	12	5	45.86	Yes	18.55	-27.31
6604	11/27/2021	12	6	45.59	Yes	18.55	-27.04
6605	11/27/2021	12	7	42.71	Yes	18.55	-24.16
6606	11/27/2021	12	8	42.87	Yes	18.55	-24.32
6607	11/27/2021	12	9	42.87	Yes	18.55	-24.32
6608	11/27/2021	12	10	45.14	Yes	18.55	-26.59

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6609	11/27/2021	12	11	44.71	Yes	18.55	-26.16
6610	11/27/2021	12	12	44.22	Yes	18.55	-25.67
6611	11/27/2021	13	1	43.04	Yes	18.55	-24.49
6612	11/27/2021	13	2	43.13	Yes	18.55	-24.58
6613	11/27/2021	13	3	41.55	Yes	18.55	-23.00
6614	11/27/2021	13	4	38.97	Yes	18.55	-20.42
6615	11/27/2021	13	5	37.53	Yes	18.55	-18.98
6616	11/27/2021	13	6	40.31	Yes	18.55	-21.76
6617	11/27/2021	13	7	38.43	Yes	18.55	-19.88
6618	11/27/2021	13	8	37.48	Yes	18.55	-18.93
6619	11/27/2021	13	9	37.31	Yes	18.55	-18.76
6620	11/27/2021	13	10	38.23	Yes	18.55	-19.68
6621	11/27/2021	13	11	37.53	Yes	18.55	-18.98
6622	11/27/2021	13	12	37.41	Yes	18.55	-18.86
6623	11/27/2021	14	1	36.08	Yes	18.55	-17.53
6624	11/27/2021	14	2	36.08	Yes	18.55	-17.53
6625	11/27/2021	14	3	36.71	Yes	18.55	-18.16
6626	11/27/2021	14	4	35.28	Yes	18.55	-16.73
6627	11/27/2021	14	5	35.95	Yes	18.55	-17.40
6628	11/27/2021	14	6	35.93	Yes	18.55	-17.38
6629	11/27/2021	14	7	34.01	Yes	18.55	-15.46
6630	11/27/2021	14	8	34.30	Yes	18.55	-15.75
6631	11/27/2021	14	9	33.78	Yes	18.55	-15.23
6632	11/27/2021	14	10	33.48	Yes	18.55	-14.93
6633	11/27/2021	14	11	33.75	Yes	18.55	-15.20
6634	11/27/2021	14	12	35.95	Yes	18.55	-17.40
6635	11/27/2021	15	1	25.03	Yes	18.55	-6.48
6636	11/27/2021	15	2	32.27	Yes	18.55	-13.72
6637	11/27/2021	15	3	33.65	Yes	18.55	-15.10
6638	11/27/2021	15	4	33.94	Yes	18.55	-15.39
6639	11/27/2021	15	5	37.64	Yes	18.55	-19.09
6640	11/27/2021	15	6	39.71	Yes	18.55	-21.16
6641	11/27/2021	15	7	34.45	Yes	18.55	-15.90
6642	11/27/2021	15	8	36.66	Yes	18.55	-18.11
6643	11/27/2021	15	9	36.57	Yes	18.55	-18.02
6644	11/27/2021	15	10	39.52	Yes	18.55	-20.97
6645	11/27/2021	15	11	44.93	Yes	18.55	-26.38
6646	11/27/2021	15	12	44.79	Yes	18.55	-26.24

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6647	11/27/2021	16	1	18.10	Yes	18.55	0.45
6648	11/27/2021	16	2	23.61	Yes	18.55	-5.06
6649	11/27/2021	16	3	29.17	Yes	18.55	-10.62
6650	11/27/2021	16	4	47.59	Yes	18.55	-29.04
6651	11/27/2021	16	5	56.28	Yes	18.55	-37.73
6652	11/27/2021	16	6	55.46	Yes	18.55	-36.91
6653	11/27/2021	21	4	63.67	Yes	18.55	-45.12
6654	11/27/2021	21	5	64.83	Yes	18.55	-46.28
6655	11/27/2021	21	6	63.66	Yes	18.55	-45.11
6656	11/27/2021	21	7	63.37	Yes	18.55	-44.82
6657	11/27/2021	21	8	62.66	Yes	18.55	-44.11
6658	11/27/2021	21	9	62.57	Yes	18.55	-44.02
6659	11/27/2021	21	10	61.13	Yes	18.55	-42.58
6660	11/27/2021	21	11	62.34	Yes	18.55	-43.79
6661	11/27/2021	21	12	62.43	Yes	18.55	-43.88
6662	11/27/2021	22	1	67.17	Yes	18.55	-48.62
6663	11/27/2021	22	2	65.17	Yes	18.55	-46.62
6664	11/27/2021	22	3	64.25	Yes	18.55	-45.70
6665	11/27/2021	22	4	65.66	Yes	18.55	-47.11
6666	11/27/2021	22	5	65.00	Yes	18.55	-46.45
6667	11/27/2021	22	6	65.04	Yes	18.55	-46.49
6668	11/27/2021	22	7	65.04	Yes	18.55	-46.49
6669	11/27/2021	22	8	65.51	Yes	18.55	-46.96
6670	11/27/2021	22	9	64.55	Yes	18.55	-46.00
6671	11/27/2021	22	10	62.72	Yes	18.55	-44.17
6672	11/27/2021	22	11	65.25	Yes	18.55	-46.70
6673	11/27/2021	22	12	62.72	Yes	18.55	-44.17
6674	11/27/2021	23	1	62.97	Yes	18.55	-44.42
6675	11/27/2021	23	2	63.38	Yes	18.55	-44.83
6676	11/27/2021	23	3	62.40	Yes	18.55	-43.85
6677	11/27/2021	23	4	60.53	Yes	18.55	-41.98
6678	11/27/2021	23	5	59.87	Yes	18.55	-41.32
6679	11/27/2021	23	6	60.42	Yes	18.55	-41.87
6680	11/27/2021	23	7	57.45	Yes	18.55	-38.90
6681	11/27/2021	23	8	57.38	Yes	18.55	-38.83
6682	11/27/2021	23	9	56.44	Yes	18.55	-37.89
6683	11/27/2021	23	10	54.96	Yes	18.55	-36.41
6684	11/27/2021	23	11	54.89	Yes	18.55	-36.34

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6685	11/27/2021	23	12	53.87	Yes	18.55	-35.32
6686	11/27/2021	24	1	54.30	Yes	18.55	-35.75
6687	11/27/2021	24	2	55.13	Yes	18.55	-36.58
6688	11/27/2021	24	3	55.10	Yes	18.55	-36.55
6689	11/27/2021	24	4	54.34	Yes	18.55	-35.79
6690	11/27/2021	24	5	54.91	Yes	18.55	-36.36
6691	11/27/2021	24	6	54.68	Yes	18.55	-36.13
6692	11/27/2021	24	7	52.90	Yes	18.55	-34.35
6693	11/27/2021	24	8	51.99	Yes	18.55	-33.44
6694	11/27/2021	24	9	51.99	Yes	18.55	-33.44
6695	11/27/2021	24	10	52.75	Yes	18.55	-34.20
6696	11/27/2021	24	11	52.37	Yes	18.55	-33.82
6697	11/27/2021	24	12	50.65	Yes	18.55	-32.10
6698	11/28/2021	1	1	50.63	Yes	18.55	-32.08
6699	11/28/2021	1	2	51.86	Yes	18.55	-33.31
6700	11/28/2021	1	3	51.85	Yes	18.55	-33.30
6701	11/28/2021	1	4	51.90	Yes	18.55	-33.35
6702	11/28/2021	1	5	51.83	Yes	18.55	-33.28
6703	11/28/2021	1	6	51.99	Yes	18.55	-33.44
6704	11/28/2021	1	7	53.41	Yes	18.55	-34.86
6705	11/28/2021	1	8	52.66	Yes	18.55	-34.11
6706	11/28/2021	1	9	50.81	Yes	18.55	-32.26
6707	11/28/2021	1	10	49.78	Yes	18.55	-31.23
6708	11/28/2021	1	11	49.70	Yes	18.55	-31.15
6709	11/28/2021	1	12	48.53	Yes	18.55	-29.98
6710	11/28/2021	2	1	51.56	Yes	18.55	-33.01
6711	11/28/2021	2	2	51.56	Yes	18.55	-33.01
6712	11/28/2021	2	3	51.56	Yes	18.55	-33.01
6713	11/28/2021	2	4	51.06	Yes	18.55	-32.51
6714	11/28/2021	2	5	50.64	Yes	18.55	-32.09
6715	11/28/2021	2	6	50.14	Yes	18.55	-31.59
6716	11/28/2021	2	7	49.22	Yes	18.55	-30.67
6717	11/28/2021	2	8	49.09	Yes	18.55	-30.54
6718	11/28/2021	2	9	48.62	Yes	18.55	-30.07
6719	11/28/2021	2	10	48.35	Yes	18.55	-29.80
6720	11/28/2021	2	11	47.56	Yes	18.55	-29.01
6721	11/28/2021	2	12	47.13	Yes	18.55	-28.58
6722	11/28/2021	3	1	44.23	Yes	18.55	-25.68

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6723	11/28/2021	3	2	43.79	Yes	18.55	-25.24
6724	11/28/2021	3	3	43.98	Yes	18.55	-25.43
6725	11/28/2021	3	4	51.54	Yes	18.55	-32.99
6726	11/28/2021	3	5	51.44	Yes	18.55	-32.89
6727	11/28/2021	3	6	50.19	Yes	18.55	-31.64
6728	11/28/2021	3	7	50.84	Yes	18.55	-32.29
6729	11/28/2021	3	8	50.70	Yes	18.55	-32.15
6730	11/28/2021	3	9	50.11	Yes	18.55	-31.56
6731	11/28/2021	3	10	49.79	Yes	18.55	-31.24
6732	11/28/2021	3	11	50.36	Yes	18.55	-31.81
6733	11/28/2021	3	12	49.73	Yes	18.55	-31.18
6734	11/28/2021	4	1	44.98	Yes	18.55	-26.43
6735	11/28/2021	4	2	44.35	Yes	18.55	-25.80
6736	11/28/2021	4	3	44.35	Yes	18.55	-25.80
6737	11/28/2021	4	4	51.14	Yes	18.55	-32.59
6738	11/28/2021	4	5	51.34	Yes	18.55	-32.79
6739	11/28/2021	4	6	51.22	Yes	18.55	-32.67
6740	11/28/2021	4	7	51.18	Yes	18.55	-32.63
6741	11/28/2021	4	8	50.67	Yes	18.55	-32.12
6742	11/28/2021	4	9	50.66	Yes	18.55	-32.11
6743	11/28/2021	4	10	50.64	Yes	18.55	-32.09
6744	11/28/2021	4	11	50.65	Yes	18.55	-32.10
6745	11/28/2021	4	12	50.65	Yes	18.55	-32.10
6746	11/28/2021	5	1	49.55	Yes	18.55	-31.00
6747	11/28/2021	5	2	49.55	Yes	18.55	-31.00
6748	11/28/2021	5	3	50.04	Yes	18.55	-31.49
6749	11/28/2021	5	4	50.05	Yes	18.55	-31.50
6750	11/28/2021	5	5	50.12	Yes	18.55	-31.57
6751	11/28/2021	5	6	50.99	Yes	18.55	-32.44
6752	11/28/2021	5	7	51.14	Yes	18.55	-32.59
6753	11/28/2021	5	8	51.05	Yes	18.55	-32.50
6754	11/28/2021	5	9	50.94	Yes	18.55	-32.39
6755	11/28/2021	5	10	51.08	Yes	18.55	-32.53
6756	11/28/2021	5	11	50.98	Yes	18.55	-32.43
6757	11/28/2021	5	12	51.40	Yes	18.55	-32.85
6758	11/28/2021	6	1	51.72	Yes	18.55	-33.17
6759	11/28/2021	6	2	52.35	Yes	18.55	-33.80
6760	11/28/2021	6	3	51.73	Yes	18.55	-33.18

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6761	11/28/2021	6	4	51.92	Yes	18.55	-33.37
6762	11/28/2021	6	5	53.35	Yes	18.55	-34.80
6763	11/28/2021	6	6	53.11	Yes	18.55	-34.56
6764	11/28/2021	6	7	52.65	Yes	18.55	-34.10
6765	11/28/2021	6	8	52.91	Yes	18.55	-34.36
6766	11/28/2021	6	9	53.52	Yes	18.55	-34.97
6767	11/28/2021	6	10	52.93	Yes	18.55	-34.38
6768	11/28/2021	6	11	53.70	Yes	18.55	-35.15
6769	11/28/2021	6	12	52.39	Yes	18.55	-33.84
6770	11/28/2021	7	1	51.12	Yes	18.55	-32.57
6771	11/28/2021	7	2	51.25	Yes	18.55	-32.70
6772	11/28/2021	7	3	51.17	Yes	18.55	-32.62
6773	11/28/2021	7	4	51.16	Yes	18.55	-32.61
6774	11/28/2021	7	5	51.25	Yes	18.55	-32.70
6775	11/28/2021	7	6	51.69	Yes	18.55	-33.14
6776	11/28/2021	7	7	52.37	Yes	18.55	-33.82
6777	11/28/2021	7	8	52.85	Yes	18.55	-34.30
6778	11/28/2021	7	9	52.69	Yes	18.55	-34.14
6779	11/28/2021	7	10	50.92	Yes	18.55	-32.37
6780	11/28/2021	7	11	52.16	Yes	18.55	-33.61
6781	11/28/2021	7	12	52.29	Yes	18.55	-33.74
6782	11/28/2021	8	1	59.19	Yes	18.55	-40.64
6783	11/28/2021	8	2	63.67	Yes	18.55	-45.12
6784	11/28/2021	8	3	63.67	Yes	18.55	-45.12
6785	11/28/2021	8	4	61.72	Yes	18.55	-43.17
6786	11/28/2021	8	5	59.02	Yes	18.55	-40.47
6787	11/28/2021	8	6	52.31	Yes	18.55	-33.76
6788	11/28/2021	8	7	37.70	Yes	18.55	-19.15
6789	11/28/2021	8	8	41.41	Yes	18.55	-22.86
6790	11/28/2021	8	9	25.80	Yes	18.55	-7.25
6791	11/28/2021	8	10	17.93	Yes	18.55	0.62
6792	11/28/2021	8	11	0.01	Yes	18.55	18.54
6793	11/28/2021	8	12	20.05	Yes	18.55	-1.50
6794	11/28/2021	9	1	32.71	Yes	18.55	-14.16
6795	11/28/2021	9	2	35.32	Yes	18.55	-16.77
6796	11/28/2021	9	3	35.38	Yes	18.55	-16.83
6797	11/28/2021	9	4	25.55	Yes	18.55	-7.00
6798	11/28/2021	9	5	26.76	Yes	18.55	-8.21

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6799	11/28/2021	9	6	22.40	Yes	18.55	-3.85
6800	11/28/2021	9	7	17.45	Yes	18.55	1.10
6801	11/28/2021	9	8	0.01	Yes	18.55	18.54
6802	11/28/2021	9	9	-0.01	Yes	18.55	18.56
6803	11/28/2021	9	10	-0.01	Yes	18.55	18.56
6804	11/28/2021	9	11	-0.01	Yes	18.55	18.56
6805	11/28/2021	9	12	-0.01	Yes	18.55	18.56
6806	11/28/2021	10	1	25.09	Yes	18.55	-6.54
6807	11/28/2021	10	2	24.91	Yes	18.55	-6.36
6808	11/28/2021	10	3	24.91	Yes	18.55	-6.36
6809	11/28/2021	10	4	17.88	Yes	18.55	0.67
6810	11/28/2021	10	5	17.88	Yes	18.55	0.67
6811	11/28/2021	10	6	17.88	Yes	18.55	0.67
6812	11/28/2021	10	7	24.76	Yes	18.55	-6.21
6813	11/28/2021	10	8	28.84	Yes	18.55	-10.29
6814	11/28/2021	10	9	27.23	Yes	18.55	-8.68
6815	11/28/2021	10	10	25.36	Yes	18.55	-6.81
6816	11/28/2021	10	11	25.49	Yes	18.55	-6.94
6817	11/28/2021	10	12	25.54	Yes	18.55	-6.99
6818	11/28/2021	11	1	27.10	Yes	18.55	-8.55
6819	11/28/2021	11	2	29.43	Yes	18.55	-10.88
6820	11/28/2021	11	3	30.86	Yes	18.55	-12.31
6821	11/28/2021	11	4	0.01	Yes	18.55	18.54
6822	11/28/2021	11	5	0.01	Yes	18.55	18.54
6823	11/28/2021	11	6	0.08	Yes	18.55	18.47
6824	11/28/2021	11	7	0.42	Yes	18.55	18.13
6825	11/28/2021	11	8	0.01	Yes	18.55	18.54
6826	11/28/2021	11	9	0.01	Yes	18.55	18.54
6827	11/28/2021	11	10	7.14	Yes	18.55	11.41
6828	11/28/2021	11	11	11.38	Yes	18.55	7.17
6829	11/28/2021	11	12	16.60	Yes	18.55	1.95
6830	11/28/2021	12	1	25.55	Yes	18.55	-7.00
6831	11/28/2021	12	2	30.19	Yes	18.55	-11.64
6832	11/28/2021	12	3	31.08	Yes	18.55	-12.53
6833	11/28/2021	12	4	31.12	Yes	18.55	-12.57
6834	11/28/2021	12	5	31.12	Yes	18.55	-12.57
6835	11/28/2021	12	6	31.12	Yes	18.55	-12.57
6836	11/28/2021	12	7	27.99	Yes	18.55	-9.44

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6837	11/28/2021	12	8	30.95	Yes	18.55	-12.40
6838	11/28/2021	12	9	33.18	Yes	18.55	-14.63
6839	11/28/2021	12	10	0.01	Yes	18.55	18.54
6840	11/28/2021	12	11	1.33	Yes	18.55	17.22
6841	11/28/2021	12	12	0.01	Yes	18.55	18.54
6842	11/28/2021	13	1	31.97	Yes	18.55	-13.42
6843	11/28/2021	13	2	31.25	Yes	18.55	-12.70
6844	11/28/2021	13	3	28.74	Yes	18.55	-10.19
6845	11/28/2021	13	4	26.81	Yes	18.55	-8.26
6846	11/28/2021	13	5	28.92	Yes	18.55	-10.37
6847	11/28/2021	13	6	28.05	Yes	18.55	-9.50
6848	11/28/2021	13	7	25.08	Yes	18.55	-6.53
6849	11/28/2021	13	8	21.35	Yes	18.55	-2.80
6850	11/28/2021	13	9	17.39	Yes	18.55	1.16
6851	11/28/2021	13	10	13.53	Yes	18.55	5.02
6852	11/28/2021	13	11	13.32	Yes	18.55	5.23
6853	11/28/2021	13	12	17.56	Yes	18.55	0.99
6854	11/28/2021	14	1	20.83	Yes	18.55	-2.28
6855	11/28/2021	14	2	17.07	Yes	18.55	1.48
6856	11/28/2021	14	3	16.96	Yes	18.55	1.59
6857	11/28/2021	14	4	13.29	Yes	18.55	5.26
6858	11/28/2021	14	5	13.32	Yes	18.55	5.23
6859	11/28/2021	14	6	24.79	Yes	18.55	-6.24
6860	11/28/2021	14	7	29.32	Yes	18.55	-10.77
6861	11/28/2021	14	8	32.11	Yes	18.55	-13.56
6862	11/28/2021	14	9	32.11	Yes	18.55	-13.56
6863	11/28/2021	14	10	29.36	Yes	18.55	-10.81
6864	11/28/2021	14	11	30.53	Yes	18.55	-11.98
6865	11/28/2021	14	12	29.10	Yes	18.55	-10.55
6866	11/28/2021	15	1	0.04	Yes	18.55	18.51
6867	11/28/2021	15	2	0.05	Yes	18.55	18.50
6868	11/28/2021	15	3	17.26	Yes	18.55	1.29
6869	11/28/2021	15	4	1.04	Yes	18.55	17.51
6870	11/28/2021	15	5	25.44	Yes	18.55	-6.89
6871	11/28/2021	15	6	30.74	Yes	18.55	-12.19
6872	11/28/2021	15	7	35.68	Yes	18.55	-17.13
6873	11/28/2021	15	8	34.65	Yes	18.55	-16.10
6874	11/28/2021	15	9	36.47	Yes	18.55	-17.92



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6875	11/28/2021	15	10	35.00	Yes	18.55	-16.45
6876	11/28/2021	15	11	35.39	Yes	18.55	-16.84
6877	11/28/2021	15	12	38.35	Yes	18.55	-19.80
6878	11/28/2021	16	1	12.99	Yes	18.55	5.56
6879	11/28/2021	16	2	0.00	Yes	18.55	18.55
6880	11/28/2021	16	3	0.00	Yes	18.55	18.55
6881	11/28/2021	16	4	24.66	Yes	18.55	-6.11
6882	11/28/2021	16	5	35.11	Yes	18.55	-16.56
6883	11/28/2021	16	6	38.13	Yes	18.55	-19.58
6884	11/28/2021	16	7	42.49	Yes	18.55	-23.94
6885	11/28/2021	16	8	50.80	Yes	18.55	-32.25
6886	11/28/2021	16	9	63.13	Yes	18.55	-44.58
6887	11/28/2021	16	10	71.95	Yes	18.55	-53.40
6888	11/28/2021	16	11	78.26	Yes	18.55	-59.71
6889	11/28/2021	16	12	80.72	Yes	18.55	-62.17
6890	11/28/2021	17	1	41.49	Yes	18.55	-22.94
6891	11/28/2021	17	2	46.15	Yes	18.55	-27.60
6892	11/28/2021	17	3	48.03	Yes	18.55	-29.48
6893	11/28/2021	17	4	53.68	Yes	18.55	-35.13
6894	11/28/2021	17	5	55.68	Yes	18.55	-37.13
6895	11/28/2021	17	6	57.02	Yes	18.55	-38.47
6896	11/28/2021	17	7	57.65	Yes	18.55	-39.10
6897	11/28/2021	17	8	65.08	Yes	18.55	-46.53
6898	11/28/2021	17	9	67.49	Yes	18.55	-48.94
6899	11/28/2021	17	10	67.95	Yes	18.55	-49.40
6900	11/28/2021	17	11	69.58	Yes	18.55	-51.03
6901	11/28/2021	17	12	64.17	Yes	18.55	-45.62
6902	11/28/2021	18	1	56.14	Yes	18.55	-37.59
6903	11/28/2021	18	2	58.51	Yes	18.55	-39.96
6904	11/28/2021	18	3	60.20	Yes	18.55	-41.65
6905	11/28/2021	18	4	60.73	Yes	18.55	-42.18
6906	11/28/2021	18	5	62.16	Yes	18.55	-43.61
6907	11/28/2021	18	6	62.43	Yes	18.55	-43.88
6908	11/28/2021	18	7	62.79	Yes	18.55	-44.24
6909	11/28/2021	18	8	62.79	Yes	18.55	-44.24
6910	11/28/2021	18	9	62.89	Yes	18.55	-44.34
6911	11/28/2021	18	10	59.06	Yes	18.55	-40.51
6912	11/28/2021	18	11	58.82	Yes	18.55	-40.27

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6913	11/28/2021	18	12	58.72	Yes	18.55	-40.17
6914	11/28/2021	19	1	55.64	Yes	18.55	-37.09
6915	11/28/2021	19	2	55.14	Yes	18.55	-36.59
6916	11/28/2021	19	3	55.14	Yes	18.55	-36.59
6917	11/28/2021	19	4	55.11	Yes	18.55	-36.56
6918	11/28/2021	19	5	54.95	Yes	18.55	-36.40
6919	11/28/2021	19	6	54.74	Yes	18.55	-36.19
6920	11/28/2021	19	7	54.45	Yes	18.55	-35.90
6921	11/28/2021	19	8	54.17	Yes	18.55	-35.62
6922	11/28/2021	19	9	53.88	Yes	18.55	-35.33
6923	11/28/2021	19	10	53.70	Yes	18.55	-35.15
6924	11/28/2021	19	11	53.46	Yes	18.55	-34.91
6925	11/28/2021	19	12	53.67	Yes	18.55	-35.12
6926	11/28/2021	20	1	57.06	Yes	18.55	-38.51
6927	11/28/2021	20	2	56.60	Yes	18.55	-38.05
6928	11/28/2021	20	3	56.76	Yes	18.55	-38.21
6929	11/28/2021	20	4	56.51	Yes	18.55	-37.96
6930	11/28/2021	20	5	56.37	Yes	18.55	-37.82
6931	11/28/2021	20	6	55.30	Yes	18.55	-36.75
6932	11/28/2021	20	7	54.53	Yes	18.55	-35.98
6933	11/28/2021	20	8	55.25	Yes	18.55	-36.70
6934	11/28/2021	20	9	55.00	Yes	18.55	-36.45
6935	11/28/2021	20	10	54.48	Yes	18.55	-35.93
6936	11/28/2021	20	11	55.14	Yes	18.55	-36.59
6937	11/28/2021	20	12	54.73	Yes	18.55	-36.18
6938	11/28/2021	21	1	57.77	Yes	18.55	-39.22
6939	11/28/2021	21	2	58.05	Yes	18.55	-39.50
6940	11/28/2021	21	3	57.10	Yes	18.55	-38.55
6941	11/28/2021	21	4	56.38	Yes	18.55	-37.83
6942	11/28/2021	21	5	57.59	Yes	18.55	-39.04
6943	11/28/2021	21	6	56.48	Yes	18.55	-37.93
6944	11/28/2021	21	7	55.39	Yes	18.55	-36.84
6945	11/28/2021	21	8	55.36	Yes	18.55	-36.81
6946	11/28/2021	21	9	55.36	Yes	18.55	-36.81
6947	11/28/2021	21	10	55.19	Yes	18.55	-36.64
6948	11/28/2021	21	11	54.73	Yes	18.55	-36.18
6949	11/28/2021	21	12	54.01	Yes	18.55	-35.46
6950	11/28/2021	22	1	55.59	Yes	18.55	-37.04

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6951	11/28/2021	22	2	56.40	Yes	18.55	-37.85
6952	11/28/2021	22	3	55.40	Yes	18.55	-36.85
6953	11/28/2021	22	4	54.26	Yes	18.55	-35.71
6954	11/28/2021	22	5	54.61	Yes	18.55	-36.06
6955	11/28/2021	22	6	53.97	Yes	18.55	-35.42
6956	11/28/2021	22	7	53.44	Yes	18.55	-34.89
6957	11/28/2021	22	8	53.26	Yes	18.55	-34.71
6958	11/28/2021	22	9	53.22	Yes	18.55	-34.67
6959	11/28/2021	22	10	52.07	Yes	18.55	-33.52
6960	11/28/2021	22	11	52.04	Yes	18.55	-33.49
6961	11/28/2021	22	12	52.75	Yes	18.55	-34.20
6962	11/28/2021	23	4	56.43	Yes	18.55	-37.88
6963	11/28/2021	23	5	55.35	Yes	18.55	-36.80
6964	11/28/2021	23	6	54.93	Yes	18.55	-36.38
6965	11/28/2021	23	7	52.97	Yes	18.55	-34.42
6966	11/28/2021	23	8	52.94	Yes	18.55	-34.39
6967	11/28/2021	23	9	52.00	Yes	18.55	-33.45
6968	11/28/2021	23	10	50.24	Yes	18.55	-31.69
6969	11/28/2021	23	11	50.06	Yes	18.55	-31.51
6970	11/28/2021	23	12	49.28	Yes	18.55	-30.73
6971	11/28/2021	24	1	50.82	Yes	18.55	-32.27
6972	11/28/2021	24	2	50.82	Yes	18.55	-32.27
6973	11/28/2021	24	3	50.50	Yes	18.55	-31.95
6974	11/28/2021	24	4	48.87	Yes	18.55	-30.32
6975	11/28/2021	24	5	48.73	Yes	18.55	-30.18
6976	11/28/2021	24	6	48.54	Yes	18.55	-29.99
6977	11/28/2021	24	7	47.36	Yes	18.55	-28.81
6978	11/28/2021	24	8	47.52	Yes	18.55	-28.97
6979	11/28/2021	24	9	46.70	Yes	18.55	-28.15
6980	11/28/2021	24	10	45.76	Yes	18.55	-27.21
6981	11/28/2021	24	11	45.16	Yes	18.55	-26.61
6982	11/28/2021	24	12	43.82	Yes	18.55	-25.27
6983	11/29/2021	1	1	48.52	Yes	18.55	-29.97
6984	11/29/2021	1	2	48.67	Yes	18.55	-30.12
6985	11/29/2021	1	3	48.61	Yes	18.55	-30.06
6986	11/29/2021	1	4	48.64	Yes	18.55	-30.09
6987	11/29/2021	1	5	48.64	Yes	18.55	-30.09
6988	11/29/2021	1	6	48.64	Yes	18.55	-30.09

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
6989	11/29/2021	1	7	48.43	Yes	18.55	-29.88
6990	11/29/2021	1	8	48.52	Yes	18.55	-29.97
6991	11/29/2021	1	9	48.43	Yes	18.55	-29.88
6992	11/29/2021	1	10	47.75	Yes	18.55	-29.20
6993	11/29/2021	1	11	47.83	Yes	18.55	-29.28
6994	11/29/2021	1	12	47.97	Yes	18.55	-29.42
6995	11/29/2021	2	1	50.70	Yes	18.55	-32.15
6996	11/29/2021	2	2	49.93	Yes	18.55	-31.38
6997	11/29/2021	2	3	50.55	Yes	18.55	-32.00
6998	11/29/2021	2	4	50.16	Yes	18.55	-31.61
6999	11/29/2021	2	5	50.16	Yes	18.55	-31.61
7000	11/29/2021	2	6	50.40	Yes	18.55	-31.85
7001	11/29/2021	2	7	49.90	Yes	18.55	-31.35
7002	11/29/2021	2	8	49.35	Yes	18.55	-30.80
7003	11/29/2021	2	9	49.35	Yes	18.55	-30.80
7004	11/29/2021	2	10	49.20	Yes	18.55	-30.65
7005	11/29/2021	2	11	49.20	Yes	18.55	-30.65
7006	11/29/2021	2	12	49.20	Yes	18.55	-30.65
7007	11/29/2021	3	1	50.07	Yes	18.55	-31.52
7008	11/29/2021	3	2	49.81	Yes	18.55	-31.26
7009	11/29/2021	3	3	50.07	Yes	18.55	-31.52
7010	11/29/2021	3	4	49.87	Yes	18.55	-31.32
7011	11/29/2021	3	5	49.87	Yes	18.55	-31.32
7012	11/29/2021	3	6	49.81	Yes	18.55	-31.26
7013	11/29/2021	3	7	49.16	Yes	18.55	-30.61
7014	11/29/2021	3	8	49.30	Yes	18.55	-30.75
7015	11/29/2021	3	9	49.16	Yes	18.55	-30.61
7016	11/29/2021	3	10	48.97	Yes	18.55	-30.42
7017	11/29/2021	3	11	48.97	Yes	18.55	-30.42
7018	11/29/2021	3	12	48.78	Yes	18.55	-30.23
7019	11/29/2021	4	1	48.32	Yes	18.55	-29.77
7020	11/29/2021	4	2	48.48	Yes	18.55	-29.93
7021	11/29/2021	4	3	48.50	Yes	18.55	-29.95
7022	11/29/2021	4	4	48.52	Yes	18.55	-29.97
7023	11/29/2021	4	5	48.65	Yes	18.55	-30.10
7024	11/29/2021	4	6	48.55	Yes	18.55	-30.00
7025	11/29/2021	4	7	47.62	Yes	18.55	-29.07
7026	11/29/2021	4	8	47.62	Yes	18.55	-29.07

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7027	11/29/2021	4	9	47.62	Yes	18.55	-29.07
7028	11/29/2021	4	10	48.56	Yes	18.55	-30.01
7029	11/29/2021	4	11	48.56	Yes	18.55	-30.01
7030	11/29/2021	4	12	48.50	Yes	18.55	-29.95
7031	11/29/2021	5	1	50.42	Yes	18.55	-31.87
7032	11/29/2021	5	2	49.93	Yes	18.55	-31.38
7033	11/29/2021	5	3	50.55	Yes	18.55	-32.00
7034	11/29/2021	5	4	50.93	Yes	18.55	-32.38
7035	11/29/2021	5	5	51.69	Yes	18.55	-33.14
7036	11/29/2021	5	6	52.19	Yes	18.55	-33.64
7037	11/29/2021	5	7	52.67	Yes	18.55	-34.12
7038	11/29/2021	5	8	54.11	Yes	18.55	-35.56
7039	11/29/2021	5	9	53.21	Yes	18.55	-34.66
7040	11/29/2021	5	10	54.97	Yes	18.55	-36.42
7041	11/29/2021	5	11	53.30	Yes	18.55	-34.75
7042	11/29/2021	5	12	54.97	Yes	18.55	-36.42
7043	11/29/2021	6	1	52.85	Yes	18.55	-34.30
7044	11/29/2021	6	2	52.82	Yes	18.55	-34.27
7045	11/29/2021	6	3	52.90	Yes	18.55	-34.35
7046	11/29/2021	6	4	55.13	Yes	18.55	-36.58
7047	11/29/2021	6	5	55.84	Yes	18.55	-37.29
7048	11/29/2021	6	6	55.96	Yes	18.55	-37.41
7049	11/29/2021	6	7	48.12	Yes	18.55	-29.57
7050	11/29/2021	6	8	51.00	Yes	18.55	-32.45
7051	11/29/2021	6	9	51.66	Yes	18.55	-33.11
7052	11/29/2021	6	10	51.00	Yes	18.55	-32.45
7053	11/29/2021	6	11	54.44	Yes	18.55	-35.89
7054	11/29/2021	6	12	56.00	Yes	18.55	-37.45
7055	11/29/2021	7	1	62.21	Yes	18.55	-43.66
7056	11/29/2021	7	2	63.95	Yes	18.55	-45.40
7057	11/29/2021	7	3	64.51	Yes	18.55	-45.96
7058	11/29/2021	7	4	69.40	Yes	18.55	-50.85
7059	11/29/2021	7	5	70.78	Yes	18.55	-52.23
7060	11/29/2021	7	6	70.78	Yes	18.55	-52.23
7061	11/29/2021	7	7	70.86	Yes	18.55	-52.31
7062	11/29/2021	7	8	71.01	Yes	18.55	-52.46
7063	11/29/2021	8	1	104.16	Yes	18.55	-85.61
7064	11/29/2021	8	2	102.75	Yes	18.55	-84.20

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7065	11/29/2021	8	3	102.75	Yes	18.55	-84.20
7066	11/29/2021	8	4	101.24	Yes	18.55	-82.69
7067	11/29/2021	8	5	85.31	Yes	18.55	-66.76
7068	11/29/2021	8	6	80.26	Yes	18.55	-61.71
7069	11/29/2021	8	7	69.80	Yes	18.55	-51.25
7070	11/29/2021	8	11	53.80	Yes	18.55	-35.25
7071	11/29/2021	8	12	51.62	Yes	18.55	-33.07
7072	11/29/2021	9	1	55.99	Yes	18.55	-37.44
7073	11/29/2021	9	2	56.66	Yes	18.55	-38.11
7074	11/29/2021	9	3	56.66	Yes	18.55	-38.11
7075	11/29/2021	9	4	53.72	Yes	18.55	-35.17
7076	11/29/2021	9	5	53.72	Yes	18.55	-35.17
7077	11/29/2021	9	6	51.23	Yes	18.55	-32.68
7078	11/29/2021	9	7	43.17	Yes	18.55	-24.62
7079	11/29/2021	9	8	30.80	Yes	18.55	-12.25
7080	11/29/2021	9	9	24.94	Yes	18.55	-6.39
7081	11/29/2021	9	10	27.58	Yes	18.55	-9.03
7082	11/29/2021	9	11	23.31	Yes	18.55	-4.76
7083	11/29/2021	9	12	24.47	Yes	18.55	-5.92
7084	11/29/2021	10	1	35.46	Yes	18.55	-16.91
7085	11/29/2021	10	2	43.77	Yes	18.55	-25.22
7086	11/29/2021	10	3	45.82	Yes	18.55	-27.27
7087	11/29/2021	10	4	33.05	Yes	18.55	-14.50
7088	11/29/2021	10	5	30.49	Yes	18.55	-11.94
7089	11/29/2021	10	6	29.70	Yes	18.55	-11.15
7090	11/29/2021	10	7	33.70	Yes	18.55	-15.15
7091	11/29/2021	10	8	33.70	Yes	18.55	-15.15
7092	11/29/2021	10	9	32.28	Yes	18.55	-13.73
7093	11/29/2021	10	10	26.28	Yes	18.55	-7.73
7094	11/29/2021	10	11	26.28	Yes	18.55	-7.73
7095	11/29/2021	10	12	24.69	Yes	18.55	-6.14
7096	11/29/2021	11	1	41.76	Yes	18.55	-23.21
7097	11/29/2021	11	2	41.00	Yes	18.55	-22.45
7098	11/29/2021	11	3	39.66	Yes	18.55	-21.11
7099	11/29/2021	11	4	35.99	Yes	18.55	-17.44
7100	11/29/2021	11	5	38.25	Yes	18.55	-19.70
7101	11/29/2021	11	6	36.52	Yes	18.55	-17.97
7102	11/29/2021	11	7	33.39	Yes	18.55	-14.84

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7103	11/29/2021	11	8	31.84	Yes	18.55	-13.29
7104	11/29/2021	11	9	30.51	Yes	18.55	-11.96
7105	11/29/2021	11	10	30.85	Yes	18.55	-12.30
7106	11/29/2021	11	11	35.07	Yes	18.55	-16.52
7107	11/29/2021	11	12	33.27	Yes	18.55	-14.72
7108	11/29/2021	12	1	32.39	Yes	18.55	-13.84
7109	11/29/2021	12	2	33.96	Yes	18.55	-15.41
7110	11/29/2021	12	3	33.47	Yes	18.55	-14.92
7111	11/29/2021	12	4	32.15	Yes	18.55	-13.60
7112	11/29/2021	12	5	29.52	Yes	18.55	-10.97
7113	11/29/2021	12	6	29.55	Yes	18.55	-11.00
7114	11/29/2021	12	7	30.81	Yes	18.55	-12.26
7115	11/29/2021	12	8	34.15	Yes	18.55	-15.60
7116	11/29/2021	12	9	34.20	Yes	18.55	-15.65
7117	11/29/2021	12	10	33.61	Yes	18.55	-15.06
7118	11/29/2021	12	11	31.84	Yes	18.55	-13.29
7119	11/29/2021	12	12	31.07	Yes	18.55	-12.52
7120	11/29/2021	13	1	31.11	Yes	18.55	-12.56
7121	11/29/2021	13	2	33.17	Yes	18.55	-14.62
7122	11/29/2021	13	3	33.23	Yes	18.55	-14.68
7123	11/29/2021	13	4	34.06	Yes	18.55	-15.51
7124	11/29/2021	13	5	31.06	Yes	18.55	-12.51
7125	11/29/2021	13	6	31.21	Yes	18.55	-12.66
7126	11/29/2021	13	7	30.94	Yes	18.55	-12.39
7127	11/29/2021	13	8	31.94	Yes	18.55	-13.39
7128	11/29/2021	13	9	31.94	Yes	18.55	-13.39
7129	11/29/2021	13	10	32.86	Yes	18.55	-14.31
7130	11/29/2021	13	11	34.56	Yes	18.55	-16.01
7131	11/29/2021	13	12	35.13	Yes	18.55	-16.58
7132	11/29/2021	14	1	35.23	Yes	18.55	-16.68
7133	11/29/2021	14	2	34.04	Yes	18.55	-15.49
7134	11/29/2021	14	3	34.79	Yes	18.55	-16.24
7135	11/29/2021	14	4	33.16	Yes	18.55	-14.61
7136	11/29/2021	14	5	34.05	Yes	18.55	-15.50
7137	11/29/2021	14	6	35.30	Yes	18.55	-16.75
7138	11/29/2021	14	7	33.69	Yes	18.55	-15.14
7139	11/29/2021	14	8	32.48	Yes	18.55	-13.93
7140	11/29/2021	14	9	34.05	Yes	18.55	-15.50

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7141	11/29/2021	14	10	34.58	Yes	18.55	-16.03
7142	11/29/2021	14	11	34.34	Yes	18.55	-15.79
7143	11/29/2021	14	12	34.31	Yes	18.55	-15.76
7144	11/29/2021	15	1	36.02	Yes	18.55	-17.47
7145	11/29/2021	15	2	36.61	Yes	18.55	-18.06
7146	11/29/2021	15	3	36.77	Yes	18.55	-18.22
7147	11/29/2021	15	4	35.15	Yes	18.55	-16.60
7148	11/29/2021	15	5	36.21	Yes	18.55	-17.66
7149	11/29/2021	15	6	36.85	Yes	18.55	-18.30
7150	11/29/2021	15	7	37.28	Yes	18.55	-18.73
7151	11/29/2021	15	8	38.11	Yes	18.55	-19.56
7152	11/29/2021	15	9	39.23	Yes	18.55	-20.68
7153	11/29/2021	15	10	40.61	Yes	18.55	-22.06
7154	11/29/2021	15	11	40.00	Yes	18.55	-21.45
7155	11/29/2021	15	12	39.98	Yes	18.55	-21.43
7156	11/29/2021	16	1	26.20	Yes	18.55	-7.65
7157	11/29/2021	16	2	27.27	Yes	18.55	-8.72
7158	11/29/2021	16	3	27.88	Yes	18.55	-9.33
7159	11/29/2021	16	4	27.98	Yes	18.55	-9.43
7160	11/29/2021	16	5	31.19	Yes	18.55	-12.64
7161	11/29/2021	16	6	34.45	Yes	18.55	-15.90
7162	11/29/2021	16	7	35.05	Yes	18.55	-16.50
7163	11/29/2021	16	8	43.22	Yes	18.55	-24.67
7164	11/29/2021	16	9	48.22	Yes	18.55	-29.67
7165	11/29/2021	16	10	53.43	Yes	18.55	-34.88
7166	11/29/2021	16	11	57.75	Yes	18.55	-39.20
7167	11/29/2021	16	12	56.70	Yes	18.55	-38.15
7168	11/29/2021	17	1	40.02	Yes	18.55	-21.47
7169	11/29/2021	17	2	40.02	Yes	18.55	-21.47
7170	11/29/2021	17	3	41.11	Yes	18.55	-22.56
7171	11/29/2021	17	4	53.73	Yes	18.55	-35.18
7172	11/29/2021	17	5	54.27	Yes	18.55	-35.72
7173	11/29/2021	17	6	55.87	Yes	18.55	-37.32
7174	11/29/2021	17	7	56.30	Yes	18.55	-37.75
7175	11/29/2021	17	8	59.68	Yes	18.55	-41.13
7176	11/29/2021	17	9	61.52	Yes	18.55	-42.97
7177	11/29/2021	17	10	61.52	Yes	18.55	-42.97
7178	11/29/2021	17	11	61.52	Yes	18.55	-42.97



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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7179	11/29/2021	17	12	61.52	Yes	18.55	-42.97
7180	11/29/2021	18	1	52.74	Yes	18.55	-34.19
7181	11/29/2021	18	2	51.92	Yes	18.55	-33.37
7182	11/29/2021	18	3	50.99	Yes	18.55	-32.44
7183	11/29/2021	18	4	52.93	Yes	18.55	-34.38
7184	11/29/2021	18	5	52.83	Yes	18.55	-34.28
7185	11/29/2021	18	6	50.70	Yes	18.55	-32.15
7186	11/29/2021	18	7	50.02	Yes	18.55	-31.47
7187	11/29/2021	18	8	50.02	Yes	18.55	-31.47
7188	11/29/2021	18	9	50.02	Yes	18.55	-31.47
7189	11/29/2021	18	10	50.96	Yes	18.55	-32.41
7190	11/29/2021	18	11	49.60	Yes	18.55	-31.05
7191	11/29/2021	18	12	49.60	Yes	18.55	-31.05
7192	11/29/2021	19	1	47.55	Yes	18.55	-29.00
7193	11/29/2021	19	2	46.79	Yes	18.55	-28.24
7194	11/29/2021	19	3	46.30	Yes	18.55	-27.75
7195	11/29/2021	19	4	46.95	Yes	18.55	-28.40
7196	11/29/2021	19	5	48.15	Yes	18.55	-29.60
7197	11/29/2021	19	6	46.95	Yes	18.55	-28.40
7198	11/29/2021	19	7	55.80	Yes	18.55	-37.25
7199	11/29/2021	19	8	56.30	Yes	18.55	-37.75
7200	11/29/2021	19	9	55.80	Yes	18.55	-37.25
7201	11/29/2021	19	10	55.80	Yes	18.55	-37.25
7202	11/29/2021	19	11	55.80	Yes	18.55	-37.25
7203	11/29/2021	19	12	55.71	Yes	18.55	-37.16
7204	11/29/2021	20	1	51.04	Yes	18.55	-32.49
7205	11/29/2021	20	2	51.47	Yes	18.55	-32.92
7206	11/29/2021	20	3	50.46	Yes	18.55	-31.91
7207	11/29/2021	20	4	52.68	Yes	18.55	-34.13
7208	11/29/2021	20	5	50.93	Yes	18.55	-32.38
7209	11/29/2021	20	6	53.46	Yes	18.55	-34.91
7210	11/29/2021	20	7	79.45	Yes	18.55	-60.90
7211	11/29/2021	20	8	91.73	Yes	18.55	-73.18
7212	11/29/2021	20	9	72.49	Yes	18.55	-53.94
7213	11/29/2021	20	10	51.15	Yes	18.55	-32.60
7214	11/29/2021	20	11	50.96	Yes	18.55	-32.41
7215	11/29/2021	20	12	50.28	Yes	18.55	-31.73
7216	11/29/2021	21	1	86.68	Yes	18.55	-68.13

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7217	11/29/2021	21	2	75.88	Yes	18.55	-57.33
7218	11/29/2021	21	3	86.53	Yes	18.55	-67.98
7219	11/29/2021	21	4	85.44	Yes	18.55	-66.89
7220	11/29/2021	21	5	86.43	Yes	18.55	-67.88
7221	11/29/2021	21	6	82.19	Yes	18.55	-63.64
7222	11/29/2021	21	7	77.12	Yes	18.55	-58.57
7223	11/29/2021	21	8	75.24	Yes	18.55	-56.69
7224	11/29/2021	21	9	71.45	Yes	18.55	-52.90
7225	11/29/2021	21	10	64.16	Yes	18.55	-45.61
7226	11/29/2021	21	11	61.72	Yes	18.55	-43.17
7227	11/29/2021	21	12	50.99	Yes	18.55	-32.44
7228	11/29/2021	22	1	78.36	Yes	18.55	-59.81
7229	11/29/2021	22	2	71.72	Yes	18.55	-53.17
7230	11/29/2021	22	3	50.79	Yes	18.55	-32.24
7231	11/29/2021	22	4	58.79	Yes	18.55	-40.24
7232	11/29/2021	22	5	50.50	Yes	18.55	-31.95
7233	11/29/2021	22	6	47.93	Yes	18.55	-29.38
7234	11/29/2021	22	7	52.09	Yes	18.55	-33.54
7235	11/29/2021	22	8	50.51	Yes	18.55	-31.96
7236	11/29/2021	22	9	44.03	Yes	18.55	-25.48
7237	11/29/2021	22	10	42.89	Yes	18.55	-24.34
7238	11/29/2021	22	11	42.64	Yes	18.55	-24.09
7239	11/29/2021	22	12	43.25	Yes	18.55	-24.70
7240	11/29/2021	23	1	47.90	Yes	18.55	-29.35
7241	11/29/2021	23	2	48.39	Yes	18.55	-29.84
7242	11/29/2021	23	3	48.39	Yes	18.55	-29.84
7243	11/29/2021	23	4	45.78	Yes	18.55	-27.23
7244	11/29/2021	23	5	44.42	Yes	18.55	-25.87
7245	11/29/2021	23	6	43.10	Yes	18.55	-24.55
7246	11/29/2021	23	7	40.63	Yes	18.55	-22.08
7247	11/29/2021	23	8	39.78	Yes	18.55	-21.23
7248	11/29/2021	23	9	39.30	Yes	18.55	-20.75
7249	11/29/2021	23	10	38.54	Yes	18.55	-19.99
7250	11/29/2021	23	11	38.14	Yes	18.55	-19.59
7251	11/29/2021	23	12	38.44	Yes	18.55	-19.89
7252	11/29/2021	24	1	37.43	Yes	18.55	-18.88
7253	11/29/2021	24	2	37.57	Yes	18.55	-19.02
7254	11/29/2021	24	3	37.95	Yes	18.55	-19.40

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7255	11/29/2021	24	4	38.85	Yes	18.55	-20.30
7256	11/29/2021	24	5	38.02	Yes	18.55	-19.47
7257	11/29/2021	24	6	39.73	Yes	18.55	-21.18
7258	11/29/2021	24	7	38.36	Yes	18.55	-19.81
7259	11/29/2021	24	8	38.10	Yes	18.55	-19.55
7260	11/29/2021	24	9	37.69	Yes	18.55	-19.14
7261	11/29/2021	24	10	39.28	Yes	18.55	-20.73
7262	11/29/2021	24	11	37.90	Yes	18.55	-19.35
7263	11/29/2021	24	12	37.35	Yes	18.55	-18.80
7264	11/30/2021	1	1	40.19	Yes	17.4	-22.79
7265	11/30/2021	1	2	45.36	Yes	17.4	-27.96
7266	11/30/2021	1	3	52.89	Yes	17.4	-35.49
7267	11/30/2021	1	4	45.73	Yes	17.4	-28.33
7268	11/30/2021	1	5	44.88	Yes	17.4	-27.48
7269	11/30/2021	1	6	56.60	Yes	17.4	-39.20
7270	11/30/2021	1	7	67.38	Yes	17.4	-49.98
7271	11/30/2021	1	8	83.60	Yes	17.4	-66.20
7272	11/30/2021	1	9	62.09	Yes	17.4	-44.69
7273	11/30/2021	1	10	70.42	Yes	17.4	-53.02
7274	11/30/2021	1	11	49.45	Yes	17.4	-32.05
7275	11/30/2021	1	12	47.86	Yes	17.4	-30.46
7276	11/30/2021	2	1	46.52	Yes	17.4	-29.12
7277	11/30/2021	2	2	41.57	Yes	17.4	-24.17
7278	11/30/2021	2	3	43.11	Yes	17.4	-25.71
7279	11/30/2021	2	4	40.89	Yes	17.4	-23.49
7280	11/30/2021	2	5	40.30	Yes	17.4	-22.90
7281	11/30/2021	2	6	40.27	Yes	17.4	-22.87
7282	11/30/2021	2	7	40.55	Yes	17.4	-23.15
7283	11/30/2021	2	8	39.41	Yes	17.4	-22.01
7284	11/30/2021	2	9	39.41	Yes	17.4	-22.01
7285	11/30/2021	2	10	38.45	Yes	17.4	-21.05
7286	11/30/2021	2	11	38.39	Yes	17.4	-20.99
7287	11/30/2021	2	12	37.35	Yes	17.4	-19.95
7288	11/30/2021	3	1	38.79	Yes	17.4	-21.39
7289	11/30/2021	3	2	38.62	Yes	17.4	-21.22
7290	11/30/2021	3	3	38.62	Yes	17.4	-21.22
7291	11/30/2021	3	4	38.65	Yes	17.4	-21.25
7292	11/30/2021	3	5	37.60	Yes	17.4	-20.20

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7293	11/30/2021	3	6	37.60	Yes	17.4	-20.20
7294	11/30/2021	3	7	38.23	Yes	17.4	-20.83
7295	11/30/2021	3	8	38.19	Yes	17.4	-20.79
7296	11/30/2021	3	9	38.14	Yes	17.4	-20.74
7297	11/30/2021	3	10	36.93	Yes	17.4	-19.53
7298	11/30/2021	3	11	36.37	Yes	17.4	-18.97
7299	11/30/2021	3	12	36.74	Yes	17.4	-19.34
7300	11/30/2021	4	1	37.58	Yes	17.4	-20.18
7301	11/30/2021	4	2	37.48	Yes	17.4	-20.08
7302	11/30/2021	4	3	37.76	Yes	17.4	-20.36
7303	11/30/2021	4	4	37.99	Yes	17.4	-20.59
7304	11/30/2021	4	5	37.99	Yes	17.4	-20.59
7305	11/30/2021	4	6	37.99	Yes	17.4	-20.59
7306	11/30/2021	4	7	37.62	Yes	17.4	-20.22
7307	11/30/2021	4	8	37.62	Yes	17.4	-20.22
7308	11/30/2021	4	9	37.62	Yes	17.4	-20.22
7309	11/30/2021	4	10	38.27	Yes	17.4	-20.87
7310	11/30/2021	4	11	37.75	Yes	17.4	-20.35
7311	11/30/2021	4	12	37.75	Yes	17.4	-20.35
7312	11/30/2021	5	1	36.59	Yes	17.4	-19.19
7313	11/30/2021	5	2	37.01	Yes	17.4	-19.61
7314	11/30/2021	5	3	37.73	Yes	17.4	-20.33
7315	11/30/2021	5	4	37.56	Yes	17.4	-20.16
7316	11/30/2021	5	5	38.27	Yes	17.4	-20.87
7317	11/30/2021	5	6	38.37	Yes	17.4	-20.97
7318	11/30/2021	5	7	40.14	Yes	17.4	-22.74
7319	11/30/2021	5	8	40.59	Yes	17.4	-23.19
7320	11/30/2021	5	9	42.61	Yes	17.4	-25.21
7321	11/30/2021	5	10	44.14	Yes	17.4	-26.74
7322	11/30/2021	5	11	43.95	Yes	17.4	-26.55
7323	11/30/2021	5	12	42.86	Yes	17.4	-25.46
7324	11/30/2021	6	1	36.90	Yes	17.4	-19.50
7325	11/30/2021	6	2	37.35	Yes	17.4	-19.95
7326	11/30/2021	6	3	38.21	Yes	17.4	-20.81
7327	11/30/2021	6	4	38.84	Yes	17.4	-21.44
7328	11/30/2021	6	5	40.01	Yes	17.4	-22.61
7329	11/30/2021	6	6	40.61	Yes	17.4	-23.21
7330	11/30/2021	6	7	40.44	Yes	17.4	-23.04

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7331	11/30/2021	6	8	42.27	Yes	17.4	-24.87
7332	11/30/2021	6	9	50.46	Yes	17.4	-33.06
7333	11/30/2021	6	10	46.47	Yes	17.4	-29.07
7334	11/30/2021	6	11	48.42	Yes	17.4	-31.02
7335	11/30/2021	6	12	71.93	Yes	17.4	-54.53
7336	11/30/2021	7	1	43.71	Yes	17.4	-26.31
7337	11/30/2021	7	2	44.05	Yes	17.4	-26.65
7338	11/30/2021	7	3	49.86	Yes	17.4	-32.46
7339	11/30/2021	7	12	69.47	Yes	17.4	-52.07
7340	11/30/2021	8	4	105.14	Yes	17.4	-87.74
7341	11/30/2021	8	5	91.08	Yes	17.4	-73.68
7342	11/30/2021	8	6	101.15	Yes	17.4	-83.75
7343	11/30/2021	8	7	87.16	Yes	17.4	-69.76
7344	11/30/2021	8	8	86.29	Yes	17.4	-68.89
7345	11/30/2021	8	9	86.30	Yes	17.4	-68.90
7346	11/30/2021	8	10	66.18	Yes	17.4	-48.78
7347	11/30/2021	8	11	61.41	Yes	17.4	-44.01
7348	11/30/2021	8	12	55.74	Yes	17.4	-38.34
7349	11/30/2021	9	1	59.06	Yes	17.4	-41.66
7350	11/30/2021	9	2	57.46	Yes	17.4	-40.06
7351	11/30/2021	9	3	56.01	Yes	17.4	-38.61
7352	11/30/2021	9	4	52.21	Yes	17.4	-34.81
7353	11/30/2021	9	5	54.76	Yes	17.4	-37.36
7354	11/30/2021	9	6	64.76	Yes	17.4	-47.36
7355	11/30/2021	9	7	37.87	Yes	17.4	-20.47
7356	11/30/2021	9	8	33.84	Yes	17.4	-16.44
7357	11/30/2021	9	9	29.81	Yes	17.4	-12.41
7358	11/30/2021	9	10	5.71	Yes	17.4	11.69
7359	11/30/2021	9	11	4.69	Yes	17.4	12.71
7360	11/30/2021	9	12	4.69	Yes	17.4	12.71
7361	11/30/2021	10	1	9.31	Yes	17.4	8.09
7362	11/30/2021	10	2	25.75	Yes	17.4	-8.35
7363	11/30/2021	10	3	34.45	Yes	17.4	-17.05
7364	11/30/2021	10	4	24.05	Yes	17.4	-6.65
7365	11/30/2021	10	5	24.28	Yes	17.4	-6.88
7366	11/30/2021	10	6	25.29	Yes	17.4	-7.89
7367	11/30/2021	10	7	23.31	Yes	17.4	-5.91
7368	11/30/2021	10	8	18.91	Yes	17.4	-1.51

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7369	11/30/2021	10	9	19.95	Yes	17.4	-2.55
7370	11/30/2021	10	10	19.41	Yes	17.4	-2.01
7371	11/30/2021	10	11	13.92	Yes	17.4	3.48
7372	11/30/2021	10	12	9.39	Yes	17.4	8.01
7373	11/30/2021	11	1	18.69	Yes	17.4	-1.29
7374	11/30/2021	11	2	17.25	Yes	17.4	0.15
7375	11/30/2021	11	3	8.58	Yes	17.4	8.82
7376	11/30/2021	11	4	8.71	Yes	17.4	8.69
7377	11/30/2021	11	5	8.50	Yes	17.4	8.90
7378	11/30/2021	11	6	9.18	Yes	17.4	8.22
7379	11/30/2021	11	7	8.82	Yes	17.4	8.58
7380	11/30/2021	11	8	8.51	Yes	17.4	8.89
7381	11/30/2021	11	9	8.82	Yes	17.4	8.58
7382	11/30/2021	11	10	8.76	Yes	17.4	8.64
7383	11/30/2021	11	11	8.76	Yes	17.4	8.64
7384	11/30/2021	11	12	8.44	Yes	17.4	8.96
7385	11/30/2021	12	1	8.79	Yes	17.4	8.61
7386	11/30/2021	12	2	4.47	Yes	17.4	12.93
7387	11/30/2021	12	3	9.09	Yes	17.4	8.31
7388	11/30/2021	12	4	9.06	Yes	17.4	8.34
7389	11/30/2021	12	5	0.90	Yes	17.4	16.50
7390	11/30/2021	12	6	8.75	Yes	17.4	8.65
7391	11/30/2021	12	7	9.50	Yes	17.4	7.90
7392	11/30/2021	12	8	11.80	Yes	17.4	5.60
7393	11/30/2021	12	9	14.25	Yes	17.4	3.15
7394	11/30/2021	12	10	15.98	Yes	17.4	1.42
7395	11/30/2021	12	11	17.40	Yes	17.4	0.00
7396	11/30/2021	12	12	14.22	Yes	17.4	3.18
7397	11/30/2021	13	1	24.38	Yes	17.4	-6.98
7398	11/30/2021	13	2	31.74	Yes	17.4	-14.34
7399	11/30/2021	13	3	26.12	Yes	17.4	-8.72
7400	11/30/2021	13	4	19.88	Yes	17.4	-2.48
7401	11/30/2021	13	5	17.77	Yes	17.4	-0.37
7402	11/30/2021	13	6	19.21	Yes	17.4	-1.81
7403	11/30/2021	13	7	19.95	Yes	17.4	-2.55
7404	11/30/2021	13	8	19.96	Yes	17.4	-2.56
7405	11/30/2021	13	9	20.15	Yes	17.4	-2.75
7406	11/30/2021	13	10	19.93	Yes	17.4	-2.53

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7407	11/30/2021	13	11	14.49	Yes	17.4	2.91
7408	11/30/2021	13	12	6.74	Yes	17.4	10.66
7409	11/30/2021	14	1	11.75	Yes	17.4	5.65
7410	11/30/2021	14	2	19.45	Yes	17.4	-2.05
7411	11/30/2021	14	3	18.86	Yes	17.4	-1.46
7412	11/30/2021	14	4	15.82	Yes	17.4	1.58
7413	11/30/2021	14	5	17.23	Yes	17.4	0.17
7414	11/30/2021	14	6	17.42	Yes	17.4	-0.02
7415	11/30/2021	14	7	17.31	Yes	17.4	0.09
7416	11/30/2021	14	8	17.54	Yes	17.4	-0.14
7417	11/30/2021	14	9	22.09	Yes	17.4	-4.69
7418	11/30/2021	14	10	22.19	Yes	17.4	-4.79
7419	11/30/2021	14	11	22.19	Yes	17.4	-4.79
7420	11/30/2021	14	12	6.93	Yes	17.4	10.47
7421	11/30/2021	15	1	9.48	Yes	17.4	7.92
7422	11/30/2021	15	2	0.03	Yes	17.4	17.37
7423	11/30/2021	15	3	0.01	Yes	17.4	17.39
7424	11/30/2021	15	4	0.01	Yes	17.4	17.39
7425	11/30/2021	15	5	0.00	Yes	17.4	17.40
7426	11/30/2021	15	6	8.78	Yes	17.4	8.62
7427	11/30/2021	15	7	9.64	Yes	17.4	7.76
7428	11/30/2021	15	8	13.53	Yes	17.4	3.87
7429	11/30/2021	15	9	21.93	Yes	17.4	-4.53
7430	11/30/2021	15	10	24.11	Yes	17.4	-6.71
7431	11/30/2021	15	11	26.26	Yes	17.4	-8.86
7432	11/30/2021	15	12	24.58	Yes	17.4	-7.18
7433	11/30/2021	16	1	2.35	Yes	17.4	15.05
7434	11/30/2021	16	2	4.99	Yes	17.4	12.41
7435	11/30/2021	16	3	8.71	Yes	17.4	8.69
7436	11/30/2021	16	4	26.19	Yes	17.4	-8.79
7437	11/30/2021	16	5	39.97	Yes	17.4	-22.57
7438	11/30/2021	16	6	34.68	Yes	17.4	-17.28
7439	11/30/2021	16	7	59.62	Yes	17.4	-42.22
7440	11/30/2021	16	8	43.78	Yes	17.4	-26.38
7441	11/30/2021	16	9	55.54	Yes	17.4	-38.14
7442	11/30/2021	18	7	130.28	Yes	17.4	-112.88
7443	11/30/2021	18	8	106.39	Yes	17.4	-88.99
7444	11/30/2021	18	9	88.96	Yes	17.4	-71.56

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
7445	11/30/2021	18	10	122.81	Yes	17.4	-105.41
7446	11/30/2021	18	11	130.42	Yes	17.4	-113.02
7447	11/30/2021	18	12	131.59	Yes	17.4	-114.19
7448	11/30/2021	21	4	47.07	Yes	17.4	-29.67
7449	11/30/2021	21	5	48.60	Yes	17.4	-31.20
7450	11/30/2021	21	6	46.72	Yes	17.4	-29.32
7451	11/30/2021	21	7	49.67	Yes	17.4	-32.27
7452	11/30/2021	21	8	50.22	Yes	17.4	-32.82
7453	11/30/2021	21	9	51.14	Yes	17.4	-33.74
7454	11/30/2021	21	10	172.93	Yes	17.4	-155.53
7455	11/30/2021	21	11	156.95	Yes	17.4	-139.55
7456	11/30/2021	21	12	147.04	Yes	17.4	-129.64
7457	11/30/2021	22	1	237.69	Yes	17.4	-220.29
7458	11/30/2021	22	2	242.31	Yes	17.4	-224.91
7459	11/30/2021	22	3	188.14	Yes	17.4	-170.74



**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	11/7/2021	2	9	45.30	Yes	41.51	-3.79
2	11/7/2021	2	9	45.30	Yes	41.51	-3.79
3	11/7/2021	2	10	45.58	Yes	41.51	-4.07
4	11/7/2021	2	10	45.58	Yes	41.51	-4.07
5	11/7/2021	2	11	45.56	Yes	41.51	-4.05
6	11/7/2021	2	11	45.56	Yes	41.51	-4.05
7	11/7/2021	2	12	45.50	Yes	41.51	-3.99
8	11/7/2021	2	12	45.50	Yes	41.51	-3.99
9	11/7/2021	3	1	47.67	Yes	41.51	-6.16
10	11/7/2021	3	2	47.67	Yes	41.51	-6.16
11	11/7/2021	3	3	48.16	Yes	41.51	-6.65
12	11/7/2021	3	4	40.82	Yes	41.51	0.69
13	11/7/2021	3	5	43.37	Yes	41.51	-1.86
14	11/7/2021	3	6	42.77	Yes	41.51	-1.26

## Appendix C: Exceptional Dispatch Bid Mitigation Analysis

The ISO did not have any cost savings for the exceptional dispatch bid mitigation for November 2021.

**Table 10: Bid Mitigation Analysis for November 2021**

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
NONTMOD	0	\$ 0	\$ 0	\$ 0
Total	0	\$ 0	\$ 0	\$ 0

## 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 18<sup>th</sup> day of January, 2022.

*/s/ Jacqueline Meredith*  
Jacqueline Meredith