



December 20, 2018

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PUBLIC UTILITIES
COMMISSION

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanaoa Building, 1st Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Docket No. 2011-0206
Reliability Standards Working Group
Monthly Report

Pursuant to Ordering Paragraph 3 of the Commission's Order No. 30371, filed on May 4, 2012, in the above subject proceeding, enclosed as Exhibit A is the Hawaiian Electric Companies'¹ monthly report for November 2018 on (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

In addition, an electronic copy of each report is also included with this filing. These files are voluminous, and therefore, the Companies are providing a compact disc ("CD") containing the electronic files to both the Commission and the Consumer Advocate. Copies of the CD will be available to any Party to this proceeding. Interested Parties should email Marisa Chun at marisa.chun@hawaiianelectric.com to request a copy.

If you have any questions on this matter, please contact Marisa Chun at (808) 543-4723.

Sincerely,

Kevin M. Katsura
Director
Regulatory Non-Rate Proceedings

Enclosure

c: Service List

¹ Hawaiian Electric Company, Inc., Hawai'i Electric Light Company, Inc., and Maui Electric Company, Limited are collectively referred to as the "Hawaiian Electric Companies" or "Companies".

The Commission's Order No. 30371 (Docket No 2011-0206 – Relating To Various Matters in RSWG Process), filed May 4, 2012, ordered the following information for each island grid:

- (1) System frequency control performance during month:
 - a) Frequency duration plot based on the highest resolution SCADA data available for the month detailing how many seconds each power system operated at frequencies above 60 hertz and at frequencies below 60 Hz.
 - b) Tabulation of the number, magnitude and duration of frequency excursions (high and low) outside normal frequency control range (59.95 to 60.05 Hz).

The following provides information with respect to items 1a) through 1b) – (all statements are current as of the month ending November 30, 2018):

1a) Frequency duration plot based on the highest resolution SCADA data available for the month detailing how many seconds each power system operated at frequencies above 60 hertz and at frequencies below 60 Hz:

The frequency duration plots for Hawaiian Electric, Maui Electric (Maui Division) and Hawai'i Electric Light based on two-second data are provided in Attachment 1, and the enclosed Excel files. Refer to the electronic files for the individual data points because the information is voluminous and does not translate well to a hard copy.

1b) Tabulation of the number, magnitude and duration of frequency excursions (high and low) outside normal frequency control range (59.95 to 60.05 Hz):

Tabulation of the number, magnitude and duration of frequency excursions outside of the frequency range of 59.95 Hz to 60.05 Hz for Hawaiian Electric, Maui Electric (Maui Division) and Hawai'i Electric Light are provided in Attachment 2, and the enclosed Excel files. Refer to the electronic files for the individual data points because the information is voluminous and does not translate well to a hard copy.

- (2) Significant system events during month:
 - a) Tabulation of contingency reserve activations including date and time, MW magnitude, duration, and triggering event.
 - b) Tabulation of under frequency load shed activations including date and time, triggering frequency, MW magnitude, duration, and triggering event.
 - c) Tabulation of demand response activations for system events, including date and time, MW magnitude, duration, and triggering event, (excluding demand response utilization for unit commitment deferral or system operations economics.)

The following provides information with respect to items 2a) through 2c) – (all statements are current as of the month ending November 30, 2018):

2a) Tabulation of contingency reserve activations including date and time, MW magnitude, duration, and triggering event:

Hawaiian Electric's contingency reserve activations are provided in Attachment 3. Maui Electric and Hawai'i Electric Light do not operate with contingency reserve requirements. Therefore, Attachment 3 is not being provided for this reporting period

2b) Tabulation of under frequency load shed activations including date and time, triggering frequency, MW magnitude, duration, and triggering event:

Maui Electric's and Hawai'i Electric Light's under frequency load shed activations are provided in Attachment 4. Hawaiian Electric did not have any under frequency load shed activations for the month of November.

2c) Tabulation of demand response activations for system events, including date and time, MW magnitude, duration, and triggering event, (excluding demand response utilization for unit commitment deferral or system operations economics.)

Hawaiian Electric's demand response activations for system events are provided in Attachment 5. Hawai'i Electric Light currently does not have a demand response program. Maui Electric has implemented the Fast Demand Response pilot program on a limited basis. Hawai'i Electric Light plans to use the findings of Maui Electric's pilot program to help in the evaluation and development of future demand response programs. Maui Electric executes a weekly testing protocol which measures customer participation. This program is not currently used in response to actual system events.

- (3) Curtailment of non-dispatchable renewable resources:
- (a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment.
 - (b) Total MWh of non-dispatchable renewable resources curtailed for the month.

The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending November 30, 2018):

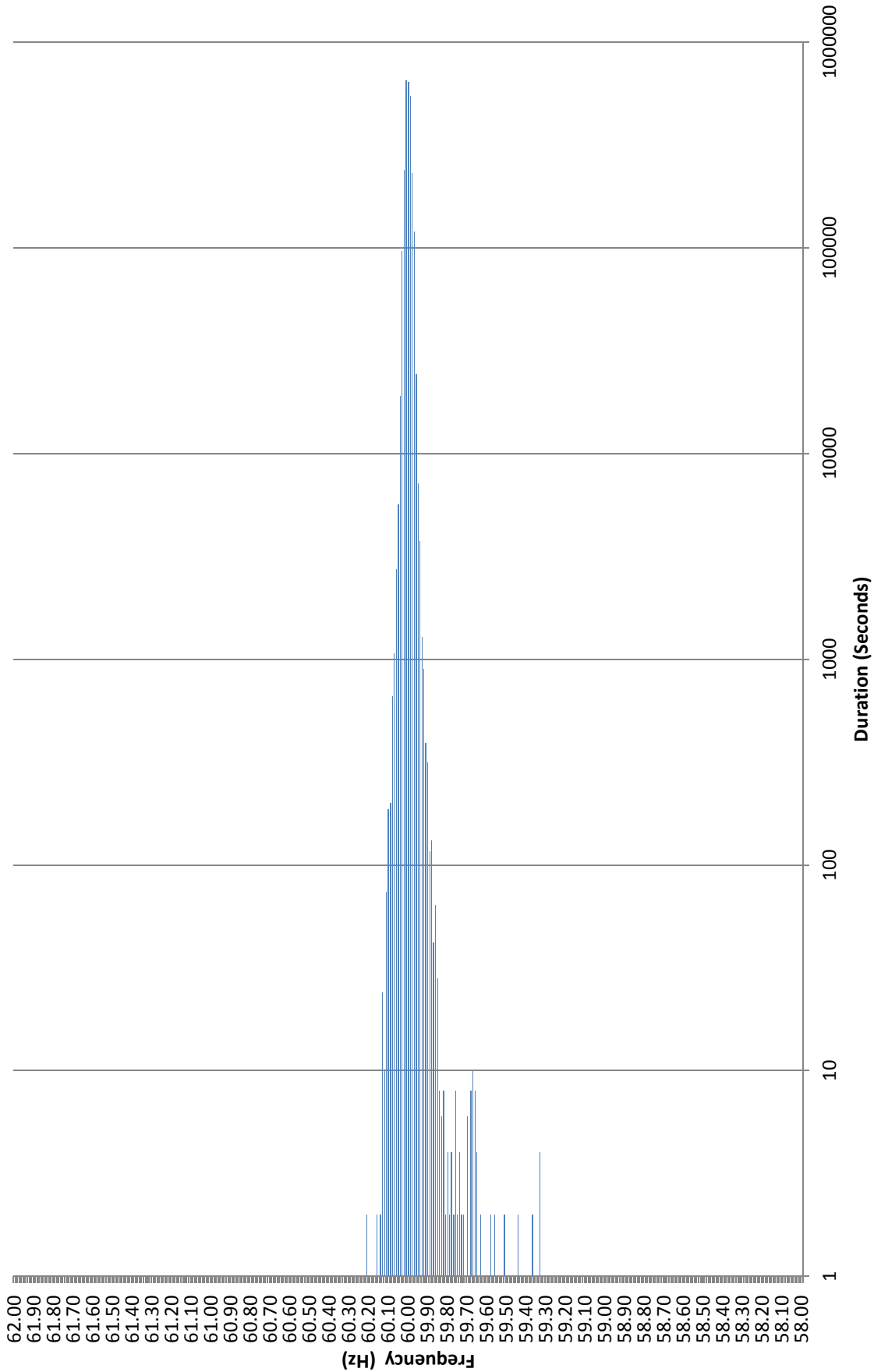
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

The tabulation of each curtailment event for each resource is provided in Attachment 6.

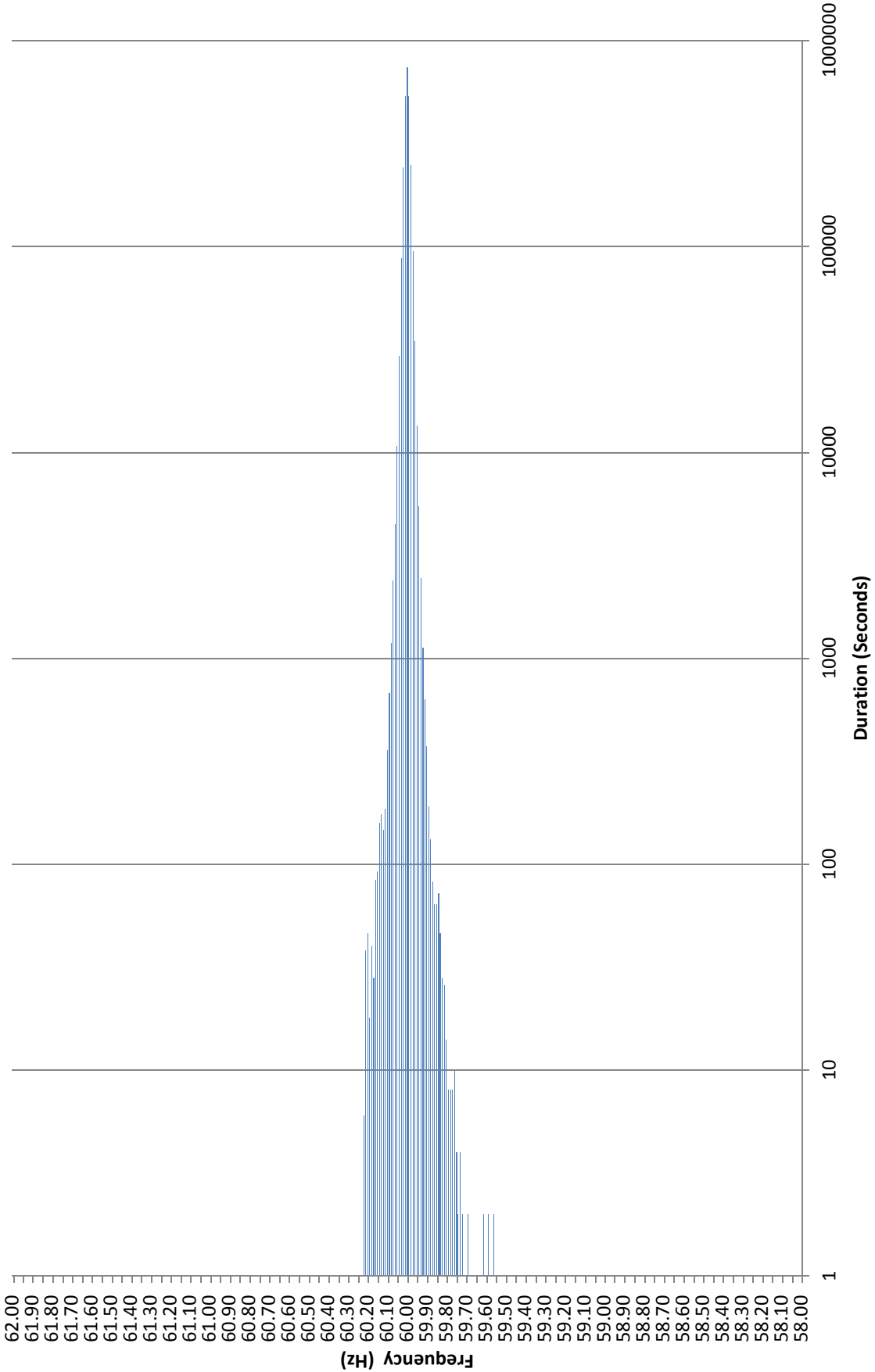
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

Curtailed MWh from non-dispatchable resources are difficult to determine due to the variability of the resource during curtailment periods. In some cases, the curtailed MWh estimates were provided by the IPPs under curtailment. The Hawaiian Electric Companies do not make any representations as to the accuracy of the curtailed MWh. The estimated MWh of non-dispatchable resources curtailed for the month are provided in Attachment 6, corresponding to each curtailment event.

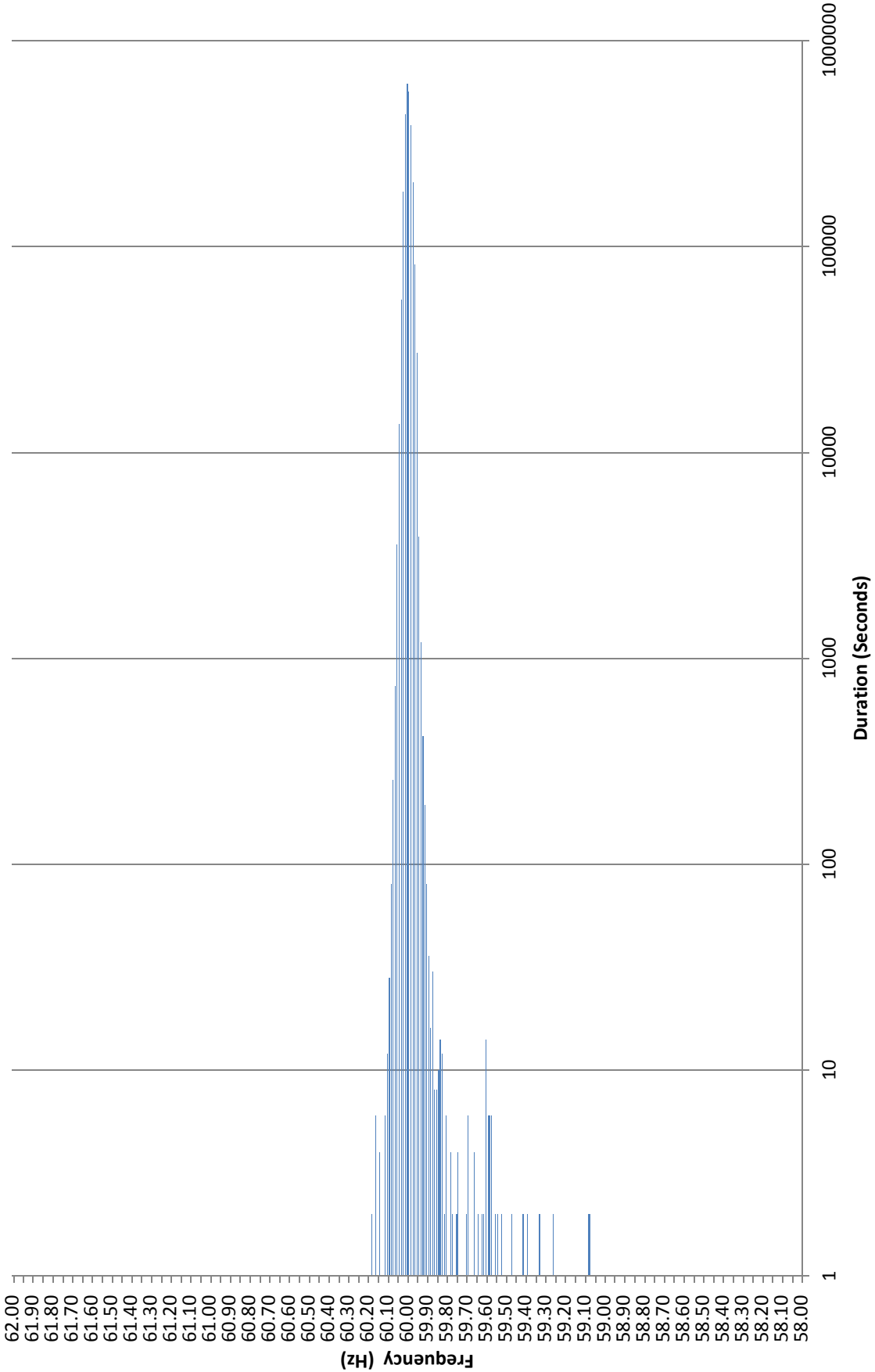
Frequency Distribution Plot - Hawaiian Electric November 2018



**Frequency Distribution Plot - Maui Electric
November 2018**



**Frequency Distribution Plot - Hawai'i Electric Light
November 2018**



Hawaiian Electric Frequency Excursion Statistics November 2018		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	552	423
Maximum Duration (sec)	826	542
Maximum Deviation (Hz)	59.335	60.208
Total Duration of Excursions (sec)	9674	6848

Maui Electric Frequency Excursion Statistics November 2018		
	<59.95 Hz	>60.05 Hz
Number of Excursions	2836	1947
Maximum Duration (sec)	400	616
Maximum Deviation (Hz)	59.556	60.222
Total Duration of Excursions (sec)	16184	14108

Hawai'i Electric Light Frequency Excursion Statistics November 2018		
	<59.95 Hz	>60.05 Hz
Number of Excursions	3880	504
Maximum Duration (sec)	240	56
Maximum Deviation (Hz)	59.071	60.184
Total Duration of Excursions (sec)	19466	2296

Hawaiian Electric Curtailment Report November 2018

Start Date/Time	Curtailment Set Point	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Estimated MWh of curtailed energy during event (1)	IPP	Reason for Curtailment
10/30/18 13:42	22.0	0.00	11/02/18 06:05	0	*	KWF	Facility Requested
11/01/18 06:59	0.0	0.00	11/01/18 16:38	0	*	Mauka	System Constraints
11/02/18 06:05	0.0	7.80	11/02/18 18:39	0	*	KWF	System Constraints
11/02/18 06:13	0.0	0.00	11/02/18 17:44	0	*	Makai	System Constraints
11/02/18 06:14	0.0	0.00	11/02/18 07:25	0	*	Mauka	System Constraints
11/02/18 15:57	0.0	8.60	11/02/18 17:44	0	*	Mauka	System Constraints
11/02/18 18:39	23.0	0.00	11/05/18 06:28	0	*	KWF	Facility Requested
11/05/18 05:51	0.0	0.00	11/05/18 08:46	0	*	Makai	System Constraints
11/05/18 05:53	0.0	0.00	11/05/18 08:46	0	*	Mauka	System Constraints
11/05/18 06:28	0.0	0.00	11/05/18 08:29	0	*	KWF	System Constraints
11/05/18 08:29	23.0	0.00	11/07/18 05:33	0	*	KWF	Facility Requested
11/07/18 05:33	0.0	0.00	11/07/18 16:14	0	*	KWF	System Constraints
11/07/18 05:37	0.0	0.00	11/07/18 06:17	0	*	Makai	System Constraints
11/07/18 05:37	0.0	0.00	11/07/18 06:17	0	*	Mauka	System Constraints
11/07/18 15:19	0.0	2.50	11/07/18 16:18	0	*	Makai	System Constraints
11/07/18 15:20	0.0	9.30	11/07/18 16:18	0	*	Mauka	System Constraints
11/07/18 16:14	23.0	0.00	11/27/18 06:37	0	*	KWF	Facility Requested
11/11/18 10:31	0.0	27.60	11/11/18 13:51	0	*	Waianae	Oversupply
11/16/18 07:42	0.0	0.00	11/16/18 08:41	0	*	Waianae	System Constraints
11/16/18 07:51	0.0	0.40	11/16/18 08:43	0	*	Aloha1	System Constraints
11/16/18 06:19	0.0	0.00	11/16/18 07:06	0	*	KREP	System Constraints
11/16/18 13:21	0.0	11.30	11/16/18 14:24	0	*	Waianae	System Constraints
11/16/18 13:23	0.0	2.50	11/16/18 14:26	0	*	Aloha	System Constraints
11/16/18 14:28	0.0	1.30	11/16/18 15:05	0	*	KREP	System Constraints
11/18/18 07:05	0.0	0.00	11/18/18 07:40	0	*	North	System Constraints
11/18/18 07:05	0.0	0.00	11/18/18 07:41	0	*	South	System Constraints
11/18/18 13:40	0.0	3.40	11/18/18 14:58	0	*	North	System Constraints
11/18/18 13:40	0.0	1.30	11/18/18 14:58	0	*	South	System Constraints
11/27/18 06:37	0.0	2.50	11/27/18 17:29	0	*	KWF	System Constraints
11/27/18 06:39	0.0	0.00	11/27/18 08:05	0	*	Makai	System Constraints
11/27/18 06:39	0.0	2.00	11/27/18 08:06	0	*	Mauka	System Constraints
11/27/18 14:24	0.0	2.10	11/27/18 17:34	0	*	Makai	System Constraints
11/27/18 14:25	0.0	8.90	11/27/18 17:34	0	*	Mauka	System Constraints
11/27/18 17:29	23.0	0.00	11/28/18 07:22	0	*	KWF	Facility Requested
11/28/18 07:18	0.0	1.70	11/28/18 17:34	0	*	Makai	System Constraints
11/28/18 07:18	0.0	8.20	11/28/18 08:16	0	*	Mauka	System Constraints
11/28/18 07:22	0.0	11.30	11/27/18 17:22	0	*	KWF	System Constraints
11/28/18 15:24	0.0	4.60	11/28/18 17:24	0	*	Makai	System Constraints
11/28/18 15:24	0.0	12.50	11/28/18 17:24	0	*	Mauka	System Constraints
11/28/18 17:22	23.0	0.00	11/30/18 06:32	0	*	KWF	Facility Requested
11/30/18 06:32	0.0	0.00	11/30/18 07:18	0	*	KWF	System Constraints
11/30/18 06:34	0.0	7.10	11/30/18 07:20	0	*	Makai	System Constraints
11/30/18 07:18	23.0	0.00	11/30/18 15:06	0	*	KWF	Facility Requested
11/30/18 08:23	0.0	0.10	11/30/18 09:53	0	*	Aloha1	System Constraints
11/30/18 08:34	0.0	4.10	11/30/18 09:45	0	*	Waianae	System Constraints
11/30/18 15:06	0.0	1.60	11/30/18 15:36	0	*	KWF	System Constraints
11/30/18 15:00	0.0	0.00	11/30/18 15:35	0	*	Makai	System Constraints
11/30/18 15:36	23.0	0.00				KWF	Facility Requested
11/30/18 15:49	0.0	3.60	11/30/18 18:11	0	*	Waianae	System Constraints
11/30/18 15:51	0.0	0.50	11/30/18 18:09	0	*	Aloha1	System Constraints

Aloha1 = Aloha Solar 1 PV Farm
KLS2 = Kalaeloa Solar 2 PV Farm
KREP = Kalaeloa Renewable Energy Park
KWF = Kahuku Wind Farm
Makai = Kawailoa Makai Wind Farm
Mauka = Kawailoa Mauka Wind Farm
North = Waihonu North PV Farm
South = Waihonu South PV Farm
Waianae = Waianae Solar PV Farm

(1) The estimated MWh of energy curtailed during the event is supplied by Kahuku Wind Farm and/or Kawailoa Wind Farm, and HECO does not make any representations as to its accuracy.

* Data has not been provided by IPP.



Maui Curtailment Report

November 2018

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/1/2018 1:44	0:40	AWE	1.528	4.900	System Constraint
11/1/2018 1:49	0:03	KWP	0.050	18.187	System Constraint
11/1/2018 1:53	0:01	KWP	0.033	17.297	System Constraint
11/1/2018 1:55	0:04	KWP	0.153	16.690	System Constraint
11/1/2018 2:00	0:02	KWP	0.093	14.244	System Constraint
11/1/2018 2:04	0:02	KWP	0.080	13.710	System Constraint
11/1/2018 2:09	0:02	KWP	0.106	15.030	System Constraint
11/1/2018 2:13	0:02	KWP	0.060	12.843	System Constraint
11/1/2018 2:16	0:01	KWP	0.029	12.843	System Constraint
11/1/2018 2:20	0:01	KWP	0.009	12.992	System Constraint
11/1/2018 2:28	0:24	AWE	0.950	11.200	System Constraint
11/1/2018 12:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:38	0:01	SMRR	0.009	1.840	Oversupply
11/1/2018 12:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:39	0:01	SMRR	0.010	1.710	Oversupply
11/1/2018 12:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:40	0:01	SMRR	0.009	2.010	Oversupply
11/1/2018 12:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:41	0:01	SMRR	0.009	1.890	Oversupply
11/1/2018 12:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:41	0:01	SMRR	0.009	2.030	Oversupply
11/1/2018 12:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:42	0:01	SMRR	0.009	1.450	Oversupply
11/1/2018 12:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:43	0:01	SMRR	0.009	0.740	Oversupply
11/1/2018 12:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:44	0:01	SMRR	0.009	1.100	Oversupply
11/1/2018 12:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:44	0:01	SMRR	0.006	1.780	Oversupply
11/1/2018 12:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:50	0:01	SMRR	0.006	2.590	Oversupply
11/1/2018 12:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:55	0:01	SMRR	0.006	1.860	Oversupply
11/1/2018 12:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:56	0:01	SMRR	0.006	0.860	Oversupply
11/1/2018 12:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:57	0:01	SMRR	0.006	1.220	Oversupply
11/1/2018 12:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:57	0:01	SMRR	0.006	2.030	Oversupply
11/1/2018 12:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:58	0:01	SMRR	0.006	2.300	Oversupply
11/1/2018 12:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 12:59	0:01	SMRR	0.010	2.640	Oversupply
11/1/2018 13:15	0:01	SMRR	0.013	1.220	Oversupply
11/1/2018 13:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:16	0:01	SMRR	0.013	1.060	Oversupply
11/1/2018 13:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:17	0:01	SMRR	0.013	0.530	Oversupply
11/1/2018 13:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:19	0:24	BS250	Data is not available	Data is not available	Oversupply
11/1/2018 13:19	0:01	SMRR	0.013	0.490	Oversupply
11/1/2018 13:20	0:12	AWE	1.027	15.000	System Constraint
11/1/2018 13:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:20	0:24	SMRR	0.440	0.000	Oversupply
11/1/2018 13:20	0:24	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:28	0:04	5A	Data is not available	Data is not available	System Constraint
11/1/2018 13:28	0:04	BS	Data is not available	Data is not available	System Constraint
11/1/2018 13:31	0:01	KWP	0.015	13.740	System Constraint
11/1/2018 13:33	0:10	AWE	0.780	9.900	System Constraint
11/1/2018 13:43	0:01	SMRR	0.015	0.290	Oversupply
11/1/2018 13:44	0:01	SMRR	0.009	0.270	Oversupply
11/1/2018 13:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:45	0:01	SMRR	0.003	0.790	Oversupply
11/1/2018 13:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:46	0:01	SMRR	0.003	1.140	Oversupply
11/1/2018 13:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:46	0:01	SMRR	0.003	0.610	Oversupply
11/1/2018 13:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:47	0:01	SMRR	0.003	0.180	Oversupply
11/1/2018 13:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:48	0:01	SMRR	0.003	0.370	Oversupply
11/1/2018 13:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:49	0:01	SMRR	0.003	0.500	Oversupply
11/1/2018 13:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:49	0:01	SMRR	0.003	0.440	Oversupply
11/1/2018 13:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 13:50	0:01	SMRR	0.003	0.490	Oversupply
11/1/2018 13:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 14:02	0:01	SMRR	0.005	2.280	Oversupply
11/1/2018 14:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 14:03	0:01	SMRR	0.005	2.370	Oversupply
11/1/2018 14:03	0:01	KS	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

November 2018

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment	
11/1/2018 14:04	0:01	SMRR	0.005	1.910	Oversupply	
11/1/2018 14:04	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 14:05	0:01	SMRR	0.005	1.060	Oversupply	
11/1/2018 14:05	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 14:05	0:01	SMRR	0.005	0.830	Oversupply	
11/1/2018 14:06	0:02	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 14:06	0:01	SMRR	0.004	0.850	Oversupply	
11/1/2018 14:07	0:01	SMRR	0.005	1.470	Oversupply	
11/1/2018 14:07	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 14:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 14:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:11	0:01	SMRR	0.003	1.580	Oversupply	
11/1/2018 15:12	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:12	0:01	SMRR	0.003	0.760	Oversupply	
11/1/2018 15:13	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:13	0:01	SMRR	0.003	0.670	Oversupply	
11/1/2018 15:13	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:13	0:01	SMRR	0.003	0.040	Oversupply	
11/1/2018 15:14	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:14	0:08	SMRR	0.224	0.000	Oversupply	
11/1/2018 15:15	0:07	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:15	0:08	AWE		0.166	16.200	System Constraint
11/1/2018 15:15	0:07	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:22	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:22	0:01	SMRR	0.023	0.860	Oversupply	
11/1/2018 15:22	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:23	0:01	SMRR	0.023	0.340	Oversupply	
11/1/2018 15:23	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:23	0:01	SMRR	0.023	0.030	Oversupply	
11/1/2018 15:24	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:24	0:01	SMRR	0.023	0.000	Oversupply	
11/1/2018 15:25	0:01	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:25	0:01	AWE		0.009	14.800	System Constraint
11/1/2018 15:25	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:25	0:01	SMRR	0.023	0.200	Oversupply	
11/1/2018 15:25	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:26	0:05	SMRR	0.155	0.000	Oversupply	
11/1/2018 15:26	0:05	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:27	0:05	AWE		0.087	14.700	System Constraint
11/1/2018 15:29	0:09	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:31	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:31	0:01	SMRR	0.020	0.230	Oversupply	
11/1/2018 15:31	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:32	0:05	SMRR	0.120	0.000	Oversupply	
11/1/2018 15:32	0:05	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:33	0:05	AWE		0.097	13.900	System Constraint
11/1/2018 15:36	0:01	SMRR	0.020	0.160	Oversupply	
11/1/2018 15:37	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:37	0:01	SMRR	0.020	1.240	Oversupply	
11/1/2018 15:38	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:38	0:01	SMRR	0.020	0.690	Oversupply	
11/1/2018 15:38	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:39	0:01	SMRR	0.020	0.110	Oversupply	
11/1/2018 15:39	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:39	0:05	SMRR	0.120	0.000	Oversupply	
11/1/2018 15:40	0:05	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:40	0:07	AWE		0.156	15.900	System Constraint
11/1/2018 15:40	0:05	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:44	0:01	SMRR	0.017	0.100	Oversupply	
11/1/2018 15:44	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:45	0:01	SMRR	0.010	0.270	Oversupply	
11/1/2018 15:45	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:46	0:02	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:46	0:01	SMRR	0.010	0.000	Oversupply	
11/1/2018 15:46	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:46	0:01	SMRR	0.010	0.130	Oversupply	
11/1/2018 15:47	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:47	0:01	SMRR	0.010	0.590	Oversupply	
11/1/2018 15:47	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:50	0:01	SMRR	0.010	0.350	Oversupply	
11/1/2018 15:50	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:51	0:01	SMRR	0.010	0.880	Oversupply	
11/1/2018 15:51	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:52	0:01	SMRR	0.010	0.960	Oversupply	
11/1/2018 15:52	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:52	0:01	SMRR	0.010	0.600	Oversupply	
11/1/2018 15:53	0:01	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:53	0:02	SMRR	0.020	0.000	Oversupply	
11/1/2018 15:53	0:02	KS	Data is not available	Data is not available	Oversupply	
11/1/2018 15:54	0:01	BS250	Data is not available	Data is not available	Oversupply	
11/1/2018 15:55	0:01	AWE		0.001	14.400	System Constraint
11/1/2018 15:55	0:01	SMRR	0.010	0.670	Oversupply	



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/1/2018 15:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 15:55	0:01	SMRR	0.010	0.850	Oversupply
11/1/2018 15:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 15:56	0:01	SMRR	0.010	0.760	Oversupply
11/1/2018 15:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 15:57	0:01	SMRR	0.010	0.990	Oversupply
11/1/2018 15:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 15:58	0:01	SMRR	0.010	0.770	Oversupply
11/1/2018 15:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 15:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 16:02	0:01	SMRR	0.001	1.020	Oversupply
11/1/2018 16:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 16:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/1/2018 22:32	0:02	AWE	0.037	15.500	System Constraint
11/1/2018 22:38	0:36	AWE	3.055	19.300	System Constraint
11/1/2018 23:33	1:41	AWE	6.123	15.200	System Constraint
11/2/2018 1:16	0:04	AWE	0.026	1.900	System Constraint
11/2/2018 1:43	0:01	AWE	0.003	0.300	System Constraint
11/2/2018 7:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:39	0:01	SMRR	0.004	0.390	Oversupply
11/2/2018 7:40	0:02	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:40	0:02	SMRR	0.008	0.000	Oversupply
11/2/2018 7:41	0:01	AWE	0.008	18.100	System Constraint
11/2/2018 7:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:42	0:01	BS250	Data is not available	Data is not available	Oversupply
11/2/2018 7:42	0:01	SMRR	0.004	0.210	Oversupply
11/2/2018 7:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:42	0:02	SMRR	0.011	0.000	Oversupply
11/2/2018 7:43	0:02	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:44	0:01	BS250	Data is not available	Data is not available	Oversupply
11/2/2018 7:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:45	0:01	AWE	0.011	19.600	System Constraint
11/2/2018 7:45	0:01	SMRR	0.003	0.050	Oversupply
11/2/2018 7:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:45	0:01	SMRR	0.003	0.270	Oversupply
11/2/2018 7:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:46	0:01	SMRR	0.003	0.130	Oversupply
11/2/2018 7:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:47	0:02	SMRR	0.007	0.000	Oversupply
11/2/2018 7:48	0:01	BS250	Data is not available	Data is not available	Oversupply
11/2/2018 7:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:48	0:01	AWE	0.004	18.600	System Constraint
11/2/2018 7:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 7:48	0:01	SMRR	0.003	0.040	Oversupply
11/2/2018 9:17	0:01	SMRR	0.015	1.590	Oversupply
11/2/2018 9:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:18	0:01	SMRR	0.015	0.680	Oversupply
11/2/2018 9:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:19	0:01	SMRR	0.015	0.100	Oversupply
11/2/2018 9:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:19	0:01	SMRR	0.015	0.000	Oversupply
11/2/2018 9:20	0:01	BS250	Data is not available	Data is not available	Oversupply
11/2/2018 9:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:20	0:01	SMRR	0.015	0.050	Oversupply
11/2/2018 9:21	0:02	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:21	0:01	SMRR	0.014	0.140	Oversupply
11/2/2018 9:22	0:02	SMRR	0.044	0.000	Oversupply
11/2/2018 9:23	0:01	BS250	Data is not available	Data is not available	Oversupply
11/2/2018 9:23	0:01	AWE	0.005	18.200	System Constraint
11/2/2018 9:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:24	0:01	SMRR	0.015	0.320	Oversupply
11/2/2018 9:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:25	0:01	SMRR	0.014	0.840	Oversupply
11/2/2018 9:25	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:39	0:01	SMRR	0.003	1.200	Oversupply
11/2/2018 9:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:40	0:01	SMRR	0.003	0.710	Oversupply
11/2/2018 9:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:41	0:01	SMRR	0.003	1.180	Oversupply
11/2/2018 9:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:42	0:01	SMRR	0.003	1.240	Oversupply
11/2/2018 9:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:42	0:01	SMRR	0.003	1.560	Oversupply
11/2/2018 9:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:44	0:01	SMRR	0.003	1.830	Oversupply
11/2/2018 9:45	0:01	SMRR	0.006	1.710	Oversupply
11/2/2018 9:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:45	0:01	SMRR	0.006	0.840	Oversupply
11/2/2018 9:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:46	0:01	SMRR	0.006	0.020	Oversupply
11/2/2018 9:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:47	0:01	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/2/2018 9:47	0:01	AWE	0.004	19.700	System Constraint
11/2/2018 9:47	0:01	SMRR	0.006	0.920	Oversupply
11/2/2018 9:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:48	0:01	SMRR	0.006	1.720	Oversupply
11/2/2018 9:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:48	0:01	SMRR	0.006	1.070	Oversupply
11/2/2018 9:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:49	0:01	SMRR	0.006	1.720	Oversupply
11/2/2018 9:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:50	0:01	SMRR	0.006	1.540	Oversupply
11/2/2018 9:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:51	0:01	SMRR	0.006	1.730	Oversupply
11/2/2018 9:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 9:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:21	0:01	SMRR	0.010	2.600	Oversupply
11/2/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:22	0:01	SMRR	0.010	2.530	Oversupply
11/2/2018 11:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:22	0:01	SMRR	0.009	2.190	Oversupply
11/2/2018 11:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:23	0:01	SMRR	0.010	2.350	Oversupply
11/2/2018 11:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:24	0:01	SMRR	0.010	1.520	Oversupply
11/2/2018 11:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:25	0:01	SMRR	0.010	0.360	Oversupply
11/2/2018 11:25	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:25	0:01	SMRR	0.009	0.540	Oversupply
11/2/2018 11:26	0:01	AWE	0.006	19.200	System Constraint
11/2/2018 11:26	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:26	0:01	SMRR	0.010	0.270	Oversupply
11/2/2018 11:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:27	0:01	SMRR	0.010	0.810	Oversupply
11/2/2018 11:30	0:01	SMRR	0.009	2.560	Oversupply
11/2/2018 11:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:31	0:01	SMRR	0.009	2.290	Oversupply
11/2/2018 11:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:32	0:01	SMRR	0.009	1.750	Oversupply
11/2/2018 11:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:32	0:01	SMRR	0.009	1.990	Oversupply
11/2/2018 11:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:33	0:01	SMRR	0.009	1.920	Oversupply
11/2/2018 11:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:34	0:01	SMRR	0.009	0.930	Oversupply
11/2/2018 11:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:35	0:01	SMRR	0.009	0.790	Oversupply
11/2/2018 11:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:35	0:01	SMRR	0.009	1.280	Oversupply
11/2/2018 11:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:36	0:01	SMRR	0.009	1.020	Oversupply
11/2/2018 11:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:37	0:01	SMRR	0.009	1.980	Oversupply
11/2/2018 11:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 11:38	0:01	SMRR	0.009	2.550	Oversupply
11/2/2018 11:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/2/2018 20:14	0:01	AWE	0.002	0.100	System Constraint
11/3/2018 0:04	0:07	KWP	0.062	24.805	System Constraint
11/3/2018 0:11	0:01	AWE	0.002	0.100	System Constraint
11/3/2018 0:12	0:02	KWP	0.076	25.198	System Constraint
11/3/2018 0:13	0:04	AWE	0.017	0.500	System Constraint
11/3/2018 0:15	0:01	KWP	0.025	24.508	System Constraint
11/3/2018 0:17	0:09	KWP	0.336	24.909	System Constraint
11/3/2018 0:18	13:54	AWE	188.476	21.000	System Constraint
11/3/2018 0:27	0:01	KWP	0.059	24.960	System Constraint
11/3/2018 0:29	0:12	KWP	1.058	25.094	System Constraint
11/3/2018 0:42	0:02	KWP	0.295	24.457	System Constraint
11/3/2018 0:45	0:12	KWP	2.488	25.146	System Constraint
11/3/2018 1:00	0:15	KWP	3.587	25.220	System Constraint
11/3/2018 1:16	0:20	KWP	5.320	25.346	System Constraint
11/3/2018 1:37	0:06	KWP	1.792	25.161	System Constraint
11/3/2018 1:44	0:01	KWP	0.290	24.842	System Constraint
11/3/2018 1:46	0:02	KWP	0.601	25.116	System Constraint
11/3/2018 1:49	0:03	KWP	0.890	25.183	System Constraint
11/3/2018 1:54	0:02	KWP	0.642	25.035	System Constraint
11/3/2018 1:57	0:01	KWP	0.334	24.345	System Constraint
11/3/2018 1:59	0:01	KWP	0.329	24.864	System Constraint
11/3/2018 2:02	0:02	KWP	0.629	24.842	System Constraint
11/3/2018 2:05	0:02	KWP	0.624	24.886	System Constraint
11/3/2018 2:08	0:02	KWP	0.663	24.872	System Constraint
11/3/2018 2:11	0:06	KWP	1.838	25.324	System Constraint
11/3/2018 2:18	0:01	KWP	0.337	25.324	System Constraint
11/3/2018 2:20	0:05	KWP	1.670	25.272	System Constraint
11/3/2018 2:26	0:08	KWP	2.677	25.264	System Constraint



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/3/2018 2:35	0:07	KWP	2.244	24.960	System Constraint
11/3/2018 2:43	0:06	KWP	1.714	22.026	System Constraint
11/3/2018 2:50	0:04	KWP	1.125	20.766	System Constraint
11/3/2018 2:55	0:02	KWP	0.568	20.403	System Constraint
11/3/2018 2:59	0:04	KWP	1.236	22.952	System Constraint
11/3/2018 3:04	0:04	KWP	1.080	22.522	System Constraint
11/3/2018 3:09	0:01	KWP	0.270	22.196	System Constraint
11/3/2018 3:11	0:03	KWP	0.802	23.360	System Constraint
11/3/2018 3:15	0:03	KWP	0.799	23.819	System Constraint
11/3/2018 3:20	0:01	KWP	0.194	21.507	System Constraint
11/3/2018 3:22	0:02	KWP	0.425	22.663	System Constraint
11/3/2018 3:25	0:01	KWP	0.216	22.574	System Constraint
11/3/2018 3:27	0:04	KWP	0.876	23.375	System Constraint
11/3/2018 3:32	0:02	KWP	0.456	23.975	System Constraint
11/3/2018 3:35	0:04	KWP	0.889	23.804	System Constraint
11/3/2018 3:40	0:06	KWP	1.298	23.604	System Constraint
11/3/2018 3:47	0:02	KWP	0.451	23.412	System Constraint
11/3/2018 3:50	0:06	KWP	1.332	23.678	System Constraint
11/3/2018 3:57	0:01	KWP	0.203	22.248	System Constraint
11/3/2018 3:59	0:01	KWP	0.208	23.137	System Constraint
11/3/2018 4:01	0:02	KWP	0.412	23.204	System Constraint
11/3/2018 4:04	0:07	KWP	1.365	23.530	System Constraint
11/3/2018 4:12	0:07	KWP	1.314	23.219	System Constraint
11/3/2018 4:22	0:01	KWP	0.184	23.071	System Constraint
11/3/2018 4:24	0:08	KWP	1.403	23.019	System Constraint
11/3/2018 4:35	0:06	KWP	1.000	23.093	System Constraint
11/3/2018 4:42	0:01	KWP	0.157	22.026	System Constraint
11/3/2018 4:44	0:01	KWP	0.144	21.522	System Constraint
11/3/2018 4:46	0:06	KWP	1.010	23.441	System Constraint
11/3/2018 4:55	0:07	KWP	1.085	23.708	System Constraint
11/3/2018 5:05	0:02	KWP	0.271	23.723	System Constraint
11/3/2018 5:09	0:06	KWP	0.625	23.560	System Constraint
11/3/2018 5:16	0:03	KWP	0.205	22.633	System Constraint
11/3/2018 5:20	0:01	KWP	0.093	22.915	System Constraint
11/3/2018 5:23	0:01	KWP	0.085	23.293	System Constraint
11/3/2018 5:26	0:01	KWP	0.096	23.738	System Constraint
11/3/2018 5:28	0:03	KWP	0.251	23.856	System Constraint
11/3/2018 5:32	0:01	KWP	0.061	23.738	System Constraint
11/3/2018 5:34	0:02	KWP	0.108	23.864	System Constraint
11/3/2018 5:38	0:02	KWP	0.100	23.760	System Constraint
11/3/2018 5:42	0:01	KWP	0.042	23.767	System Constraint
11/3/2018 5:48	0:02	KWP	0.047	23.916	System Constraint
11/3/2018 5:51	0:04	KWP	0.152	23.908	System Constraint
11/3/2018 5:56	0:01	KWP	0.030	23.967	System Constraint
11/3/2018 5:58	0:01	KWP	0.025	23.938	System Constraint
11/3/2018 6:00	0:01	KWP	0.016	23.967	System Constraint
11/3/2018 6:29	8:35	BS250	Data is not available	Data is not available	Facility Requested
11/3/2018 6:29	7:54	SMRR	16.054	0.000	Oversupply
11/3/2018 6:35	8:38	KS	Data is not available	Data is not available	Oversupply
11/3/2018 8:54	0:03	5A	Data is not available	Data is not available	System Constraint
11/3/2018 8:54	0:03	BS	Data is not available	Data is not available	System Constraint
11/3/2018 8:58	0:03	5A	Data is not available	Data is not available	System Constraint
11/3/2018 8:58	0:03	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:02	0:36	5A	Data is not available	Data is not available	System Constraint
11/3/2018 9:02	0:36	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:17	0:05	KWP	0.204	23.871	System Constraint
11/3/2018 9:23	0:01	KWP	0.002	22.826	System Constraint
11/3/2018 9:26	0:02	KWP	0.011	23.434	System Constraint
11/3/2018 9:29	0:10	KWP	0.667	23.582	System Constraint
11/3/2018 9:39	0:01	5A	Data is not available	Data is not available	System Constraint
11/3/2018 9:39	0:01	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:40	0:04	KWP	0.496	23.775	System Constraint
11/3/2018 9:42	0:01	5A	Data is not available	Data is not available	System Constraint
11/3/2018 9:42	0:01	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:44	0:12	5A	Data is not available	Data is not available	System Constraint
11/3/2018 9:44	0:12	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:45	0:02	KWP	0.211	23.145	System Constraint
11/3/2018 9:48	0:06	KWP	0.607	21.900	System Constraint
11/3/2018 9:55	0:01	KWP	0.129	20.366	System Constraint
11/3/2018 9:57	0:04	5A	Data is not available	Data is not available	System Constraint
11/3/2018 9:57	0:04	BS	Data is not available	Data is not available	System Constraint
11/3/2018 9:57	0:02	KWP	0.171	19.343	System Constraint
11/3/2018 10:00	0:05	KWP	0.560	20.907	System Constraint
11/3/2018 10:02	0:14	5A	Data is not available	Data is not available	System Constraint
11/3/2018 10:02	0:14	BS	Data is not available	Data is not available	System Constraint
11/3/2018 10:06	0:05	KWP	0.846	22.522	System Constraint
11/3/2018 10:13	0:01	KWP	0.182	21.359	System Constraint
11/3/2018 10:16	0:02	KWP	0.355	21.966	System Constraint
11/3/2018 10:17	0:10	5A	Data is not available	Data is not available	System Constraint
11/3/2018 10:17	0:10	BS	Data is not available	Data is not available	System Constraint
11/3/2018 10:19	0:02	KWP	0.428	22.974	System Constraint
11/3/2018 10:22	0:01	KWP	0.196	21.907	System Constraint
11/3/2018 10:24	0:01	KWP	0.221	23.123	System Constraint



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/3/2018 10:27	0:02	KWP	0.442	22.478	System Constraint
11/3/2018 10:28	0:19	5A	Data is not available	Data is not available	System Constraint
11/3/2018 10:28	0:19	BS	Data is not available	Data is not available	System Constraint
11/3/2018 10:30	0:03	KWP	0.719	23.678	System Constraint
11/3/2018 10:34	0:03	KWP	0.724	22.270	System Constraint
11/3/2018 10:38	0:10	KWP	2.740	23.078	System Constraint
11/3/2018 10:48	0:05	5A	Data is not available	Data is not available	System Constraint
11/3/2018 10:48	0:05	BS	Data is not available	Data is not available	System Constraint
11/3/2018 10:49	0:09	KWP	2.370	23.456	System Constraint
11/3/2018 10:54	0:13	5A	Data is not available	Data is not available	System Constraint
11/3/2018 10:54	0:13	BS	Data is not available	Data is not available	System Constraint
11/3/2018 10:59	0:05	KWP	1.336	21.685	System Constraint
11/3/2018 11:05	0:02	KWP	0.523	20.803	System Constraint
11/3/2018 11:12	0:24	5A	Data is not available	Data is not available	System Constraint
11/3/2018 11:12	0:24	BS	Data is not available	Data is not available	System Constraint
11/3/2018 11:13	0:08	KWP	1.792	22.885	System Constraint
11/3/2018 11:22	0:03	KWP	0.758	19.373	System Constraint
11/3/2018 11:28	0:06	KWP	1.599	21.611	System Constraint
11/3/2018 11:35	0:02	KWP	0.554	20.203	System Constraint
11/3/2018 11:37	0:03	5A	Data is not available	Data is not available	System Constraint
11/3/2018 11:37	0:03	BS	Data is not available	Data is not available	System Constraint
11/3/2018 11:38	0:01	KWP	0.176	11.539	System Constraint
11/3/2018 11:40	0:02	KWP	0.436	15.385	System Constraint
11/3/2018 11:41	0:14	5A	Data is not available	Data is not available	System Constraint
11/3/2018 11:41	0:14	BS	Data is not available	Data is not available	System Constraint
11/3/2018 11:43	0:03	KWP	0.689	17.705	System Constraint
11/3/2018 11:47	0:02	KWP	0.518	17.727	System Constraint
11/3/2018 11:50	0:01	KWP	0.343	21.107	System Constraint
11/3/2018 11:53	0:01	KWP	0.235	15.067	System Constraint
11/3/2018 11:55	0:03	KWP	0.655	15.245	System Constraint
11/3/2018 11:56	0:02	5A	Data is not available	Data is not available	System Constraint
11/3/2018 11:56	0:02	BS	Data is not available	Data is not available	System Constraint
11/3/2018 11:59	0:07	5A	Data is not available	Data is not available	System Constraint
11/3/2018 11:59	0:07	BS	Data is not available	Data is not available	System Constraint
11/3/2018 11:59	0:02	KWP	0.477	17.712	System Constraint
11/3/2018 12:02	0:06	KWP	1.609	20.025	System Constraint
11/3/2018 12:05	0:01	KWP	0.001	20.672	System Constraint
11/3/2018 12:07	0:01	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:07	0:01	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:09	0:08	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:09	0:08	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:09	0:07	KWP	1.965	20.195	System Constraint
11/3/2018 12:21	0:03	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:21	0:03	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:21	0:04	KWP	0.900	22.367	System Constraint
11/3/2018 12:25	0:06	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:25	0:06	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:26	0:01	KWP	0.244	18.824	System Constraint
11/3/2018 12:29	0:04	KWP	1.036	20.944	System Constraint
11/3/2018 12:32	0:05	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:32	0:05	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:34	0:13	KWP	3.627	22.448	System Constraint
11/3/2018 12:38	0:02	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:38	0:02	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:41	0:04	5A	Data is not available	Data is not available	System Constraint
11/3/2018 12:41	0:04	BS	Data is not available	Data is not available	System Constraint
11/3/2018 12:47	1:36	KWP	27.744	20.687	Oversupply
11/3/2018 12:51	0:05	KWP	0.767	22.515	Oversupply
11/3/2018 14:14	0:01	AWE	0.004	20.400	Oversupply
11/3/2018 14:23	0:01	SMRR	0.031	0.010	Oversupply
11/3/2018 14:23	0:01	SMRR	0.031	0.210	Oversupply
11/3/2018 14:24	0:48	KWP	5.108	19.109	Oversupply
11/3/2018 14:24	0:40	SMRR	1.562	0.000	Oversupply
11/3/2018 15:04	0:01	SMRR	0.027	0.130	Oversupply
11/3/2018 15:05	0:07	SMRR	0.238	0.000	Oversupply
11/3/2018 15:06	0:07	BS250	Data is not available	Data is not available	Oversupply
11/3/2018 15:12	0:01	SMRR	0.027	0.060	Oversupply
11/3/2018 15:13	0:01	KWP	0.005	19.027	Oversupply
11/3/2018 15:13	0:01	SMRR	0.027	0.150	Oversupply
11/3/2018 15:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:14	0:02	SMRR	0.036	0.230	Oversupply
11/3/2018 15:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:15	0:01	SMRR	0.009	0.400	Oversupply
11/3/2018 15:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:16	0:01	SMRR	0.008	0.500	Oversupply
11/3/2018 15:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:17	0:01	SMRR	0.008	0.820	Oversupply
11/3/2018 15:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:18	0:01	SMRR	0.008	1.110	Oversupply
11/3/2018 15:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:18	0:01	SMRR	0.008	1.300	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/3/2018 15:19	0:01	SMRR	0.008	1.620	Oversupply
11/3/2018 15:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:20	0:01	SMRR	0.008	1.490	Oversupply
11/3/2018 15:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:21	0:01	SMRR	0.008	1.720	Oversupply
11/3/2018 15:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:21	0:01	SMRR	0.008	1.560	Oversupply
11/3/2018 15:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 15:22	0:01	SMRR	0.008	1.740	Oversupply
11/3/2018 15:23	0:01	SMRR	0.008	1.770	Oversupply
11/3/2018 15:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/3/2018 23:53	0:02	KWP/II	0.025	12.779	Oversupply
11/3/2018 23:56	0:30	KWP/II	1.597	17.314	Oversupply
11/4/2018 2:44	0:01	KWP/II	0.002	0.148	Oversupply
11/4/2018 6:51	0:14	KS	Data is not available	Data is not available	Oversupply
11/4/2018 6:51	0:13	SMRR	0.007	0.010	Oversupply
11/4/2018 6:52	0:13	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 6:52	0:14	KWP/II	0.637	16.630	Oversupply
11/4/2018 8:08	1:12	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 8:08	1:11	SMRR	1.722	0.000	Oversupply
11/4/2018 8:09	1:11	KWP/II	11.905	18.896	Oversupply
11/4/2018 9:02	0:01	AWE	0.010	20.800	Oversupply
11/4/2018 9:19	0:01	SMRR	0.013	0.340	Oversupply
11/4/2018 9:35	0:01	SMRR	0.015	1.800	Oversupply
11/4/2018 9:36	0:01	SMRR	0.015	0.250	Oversupply
11/4/2018 9:36	0:01	SMRR	0.014	1.060	Oversupply
11/4/2018 9:37	0:01	SMRR	0.015	0.260	Oversupply
11/4/2018 9:38	0:01	SMRR	0.015	0.230	Oversupply
11/4/2018 9:39	0:20	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 9:39	0:20	SMRR	0.646	0.000	Oversupply
11/4/2018 9:41	0:19	KWP/II	1.911	9.539	Oversupply
11/4/2018 9:47	0:05	AWE	0.027	20.600	Oversupply
11/4/2018 9:53	0:03	AWE	0.009	20.700	Oversupply
11/4/2018 10:02	0:01	SMRR	0.009	1.070	Oversupply
11/4/2018 10:07	0:01	SMRR	0.009	1.880	Oversupply
11/4/2018 10:08	0:01	SMRR	0.009	0.940	Oversupply
11/4/2018 10:08	0:01	SMRR	0.009	1.080	Oversupply
11/4/2018 10:30	0:01	KWP/II	0.000	0.003	Oversupply
11/4/2018 10:53	0:01	SMRR	0.013	2.130	Oversupply
11/4/2018 10:54	0:01	SMRR	0.013	0.560	Oversupply
11/4/2018 10:54	1:00	SMRR	2.598	0.020	Oversupply
11/4/2018 10:55	1:00	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 10:56	1:00	KWP/II	9.822	16.821	Oversupply
11/4/2018 11:11	0:35	AWE	2.293	21.000	Oversupply
11/4/2018 11:51	0:01	AWE	0.010	20.700	Oversupply
11/4/2018 11:55	0:01	SMRR	0.030	0.410	Oversupply
11/4/2018 11:56	0:01	SMRR	0.031	0.250	Oversupply
11/4/2018 11:56	1:00	SMRR	2.793	0.000	Oversupply
11/4/2018 11:57	1:00	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 11:58	0:09	AWE	0.332	21.000	Oversupply
11/4/2018 11:58	1:00	KWP/II	14.335	17.818	Oversupply
11/4/2018 12:08	0:02	AWE	0.033	20.500	Oversupply
11/4/2018 12:21	0:33	AWE	2.427	21.000	Oversupply
11/4/2018 12:59	0:40	SMRR	1.759	0.000	Oversupply
11/4/2018 13:00	0:34	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 13:00	0:40	KWP/II	2.720	16.771	Oversupply
11/4/2018 13:35	0:05	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 13:39	0:01	SMRR	0.027	0.140	Oversupply
11/4/2018 13:39	0:01	SMRR	0.027	0.610	Oversupply
11/4/2018 13:41	0:01	SMRR	0.027	1.930	Oversupply
11/4/2018 13:42	0:01	SMRR	0.027	1.850	Oversupply
11/4/2018 13:42	0:01	SMRR	0.027	2.160	Oversupply
11/4/2018 13:43	0:01	SMRR	0.027	2.330	Oversupply
11/4/2018 13:44	0:01	SMRR	0.018	2.150	Oversupply
11/4/2018 15:10	0:01	SMRR	0.000	1.700	Oversupply
11/4/2018 15:29	0:01	SMRR	0.002	1.370	Oversupply
11/4/2018 15:30	0:01	SMRR	0.008	0.100	Oversupply
11/4/2018 15:31	0:01	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 15:31	0:01	SMRR	0.008	0.050	Oversupply
11/4/2018 15:32	0:01	SMRR	0.009	0.770	Oversupply
11/4/2018 15:33	0:01	BS250	Data is not available	Data is not available	Oversupply
11/4/2018 15:33	0:02	SMRR	0.025	0.000	Oversupply
11/4/2018 15:34	0:01	KWP/II	0.002	18.785	Oversupply
11/5/2018 0:02	1:07	KWP/II	4.333	19.208	Oversupply
11/5/2018 1:11	0:34	KWP/II	3.818	19.206	Oversupply
11/5/2018 1:46	0:04	KWP/II	0.066	19.056	Oversupply
11/5/2018 6:39	0:01	AWE	0.002	0.100	System Constraint
11/5/2018 6:41	0:01	AWE	0.002	0.100	System Constraint
11/5/2018 8:58	0:01	SMRR	0.000	0.920	System Constraint
11/5/2018 9:03	0:01	SMRR	0.000	1.140	System Constraint
11/5/2018 9:05	0:01	SMRR	0.000	1.510	System Constraint
11/5/2018 9:08	0:01	SMRR	0.000	1.030	System Constraint
11/5/2018 9:08	0:01	SMRR	0.000	0.360	System Constraint



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11/5/2018 9:09	0:02	BS250	Data is not available	Data is not available	System Constraint
11/5/2018 9:09	0:01	SMRR	0.000	0.000	System Constraint
11/5/2018 9:10	0:01	SMRR	0.000	0.180	System Constraint
11/5/2018 9:11	0:01	SMRR	0.000	0.510	System Constraint
11/5/2018 9:11	0:01	SMRR	0.000	0.710	System Constraint
11/5/2018 9:12	0:01	SMRR	0.000	1.170	System Constraint
11/5/2018 9:16	0:01	SMRR	0.000	1.530	System Constraint
11/5/2018 9:17	0:01	SMRR	0.000	0.580	System Constraint
11/5/2018 9:18	0:01	SMRR	0.000	0.020	System Constraint
11/5/2018 9:18	1:55	SMRR	0.000	0.000	System Constraint
11/5/2018 9:19	1:55	BS250	Data is not available	Data is not available	System Constraint
11/5/2018 9:20	1:54	KWP/II		23.421	System Constraint
11/5/2018 9:26	1:47	KS	Data is not available	Data is not available	System Constraint
11/5/2018 10:30	0:06	AWE	0.070	19.500	System Constraint
11/5/2018 10:37	0:17	AWE	0.726	19.600	System Constraint
11/5/2018 10:55	0:05	AWE	0.060	19.000	System Constraint
11/5/2018 11:08	0:01	AWE	0.009	20.200	System Constraint
11/5/2018 11:13	0:01	SMRR	0.000	0.190	System Constraint
11/5/2018 11:13	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 11:14	0:01	SMRR	0.000	0.470	System Constraint
11/5/2018 11:14	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 11:14	0:01	SMRR	0.000	0.480	System Constraint
11/5/2018 11:15	1:45	KS	Data is not available	Data is not available	System Constraint
11/5/2018 11:15	1:45	SMRR	0.000	0.000	System Constraint
11/5/2018 11:16	1:45	BS250	Data is not available	Data is not available	System Constraint
11/5/2018 11:16	1:47	KWP/II	18.731	19.211	System Constraint
11/5/2018 13:00	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:00	0:01	SMRR	0.000	0.030	System Constraint
11/5/2018 13:01	0:02	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:01	0:01	SMRR	0.000	0.000	System Constraint
11/5/2018 13:02	0:01	BS250	Data is not available	Data is not available	System Constraint
11/5/2018 13:02	0:01	SMRR	0.000	0.130	System Constraint
11/5/2018 13:02	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:02	0:01	SMRR	0.000	0.720	System Constraint
11/5/2018 13:03	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:03	0:01	SMRR	0.000	0.410	System Constraint
11/5/2018 13:04	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:04	0:01	SMRR	0.000	1.330	System Constraint
11/5/2018 13:05	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:05	0:01	SMRR	0.000	1.380	System Constraint
11/5/2018 13:05	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:06	0:01	SMRR	0.000	1.490	System Constraint
11/5/2018 13:06	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:06	0:01	SMRR	0.000	1.220	System Constraint
11/5/2018 13:07	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:07	0:01	SMRR	0.000	1.360	System Constraint
11/5/2018 13:08	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:08	0:01	SMRR	0.000	1.860	System Constraint
11/5/2018 13:08	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:09	0:01	SMRR	0.000	1.630	System Constraint
11/5/2018 13:09	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:09	0:01	SMRR	0.000	1.080	System Constraint
11/5/2018 13:10	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:10	0:01	SMRR	0.000	1.630	System Constraint
11/5/2018 13:11	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:11	0:01	SMRR	0.000	1.050	System Constraint
11/5/2018 13:11	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:12	0:01	SMRR	0.000	1.390	System Constraint
11/5/2018 13:12	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:12	0:01	SMRR	0.000	1.670	System Constraint
11/5/2018 13:13	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:13	0:01	SMRR	0.000	1.030	System Constraint
11/5/2018 13:14	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:14	0:01	SMRR	0.000	1.060	System Constraint
11/5/2018 13:14	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:15	0:01	SMRR	0.000	1.740	System Constraint
11/5/2018 13:15	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:16	0:01	SMRR	0.000	1.950	System Constraint
11/5/2018 13:16	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:16	0:01	SMRR	0.000	1.990	System Constraint
11/5/2018 13:17	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:17	0:01	SMRR	0.000	1.590	System Constraint
11/5/2018 13:17	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:18	0:01	SMRR	0.000	1.820	System Constraint
11/5/2018 13:18	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:19	0:01	SMRR	0.000	1.690	System Constraint
11/5/2018 13:19	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:19	0:01	SMRR	0.000	2.040	System Constraint
11/5/2018 13:20	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:20	0:01	SMRR	0.000	1.600	System Constraint
11/5/2018 13:20	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:21	0:01	SMRR	0.000	1.810	System Constraint
11/5/2018 13:21	0:01	KS	Data is not available	Data is not available	System Constraint



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/5/2018 13:22	0:01	SMRR	0.000	2.020	System Constraint
11/5/2018 13:22	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:22	0:01	SMRR	0.000	2.130	System Constraint
11/5/2018 13:23	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:23	0:01	SMRR	0.000	2.010	System Constraint
11/5/2018 13:23	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:28	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:31	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:32	0:01	SMRR	0.000	1.810	System Constraint
11/5/2018 13:32	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:32	0:01	SMRR	0.000	1.230	System Constraint
11/5/2018 13:32	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:33	0:01	SMRR	0.000	1.640	System Constraint
11/5/2018 13:33	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:34	0:02	SMRR	0.000	1.060	System Constraint
11/5/2018 13:34	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:35	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:35	0:01	SMRR	0.000	1.030	System Constraint
11/5/2018 13:36	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:36	0:01	SMRR	0.000	2.060	System Constraint
11/5/2018 13:36	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:37	0:01	SMRR	0.000	2.190	System Constraint
11/5/2018 13:37	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:38	0:01	SMRR	0.000	1.910	System Constraint
11/5/2018 13:38	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:38	0:01	SMRR	0.000	1.390	System Constraint
11/5/2018 13:39	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:39	0:01	SMRR	0.000	1.480	System Constraint
11/5/2018 13:39	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:40	0:01	SMRR	0.000	1.060	System Constraint
11/5/2018 13:40	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:41	0:01	SMRR	0.000	0.940	System Constraint
11/5/2018 13:41	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:42	0:01	SMRR	0.000	0.840	System Constraint
11/5/2018 13:42	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:42	0:01	SMRR	0.000	0.600	System Constraint
11/5/2018 13:42	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:43	0:01	SMRR	0.000	0.630	System Constraint
11/5/2018 13:43	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:44	0:01	SMRR	0.000	1.150	System Constraint
11/5/2018 13:44	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:45	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 13:45	0:01	SMRR	0.000	1.430	System Constraint
11/5/2018 13:45	0:01	KS	Data is not available	Data is not available	System Constraint
11/5/2018 22:41	0:01	AWE	0.005	0.300	Oversupply
11/6/2018 1:17	0:06	KWP/II	0.184	19.209	Oversupply
11/6/2018 2:36	0:03	KWP/II	0.014	19.023	Oversupply
11/6/2018 2:43	0:01	KWP/II	0.002	18.881	Oversupply
11/6/2018 2:55	0:01	AWE	0.002	0.100	Oversupply
11/7/2018 6:32	1:48	SMRR	0.744	0.000	Oversupply
11/7/2018 6:37	1:29	KS	Data is not available	Data is not available	Oversupply
11/10/2018 9:10	0:01	AWE	0.003	0.200	Oversupply
11/11/2018 2:22	0:04	KWP/II	0.077	17.556	Oversupply
11/11/2018 2:28	0:10	KWP/II	0.145	17.678	Oversupply
11/11/2018 2:39	0:01	KWP/II	0.001	17.692	Oversupply
11/11/2018 2:54	0:03	KWP/II	0.006	17.464	Oversupply
11/11/2018 9:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:33	0:01	SMRR	0.003	1.430	Oversupply
11/11/2018 9:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:33	0:01	SMRR	0.003	1.650	Oversupply
11/11/2018 9:34	0:01	SMRR	0.003	1.640	Oversupply
11/11/2018 9:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:35	0:01	SMRR	0.003	1.510	Oversupply
11/11/2018 9:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:36	0:01	SMRR	0.003	1.840	Oversupply
11/11/2018 9:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:36	0:01	SMRR	0.003	1.140	Oversupply
11/11/2018 9:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:39	0:01	SMRR	0.003	1.950	Oversupply
11/11/2018 9:40	0:01	SMRR	0.003	1.960	Oversupply
11/11/2018 9:41	0:01	SMRR	0.003	2.010	Oversupply
11/11/2018 9:42	0:01	SMRR	0.003	1.930	Oversupply
11/11/2018 9:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:43	0:01	SMRR	0.003	1.980	Oversupply
11/11/2018 9:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:44	0:01	SMRR	0.005	1.550	Oversupply
11/11/2018 9:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:45	0:01	SMRR	0.010	1.410	Oversupply
11/11/2018 9:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:46	0:01	SMRR	0.010	1.250	Oversupply
11/11/2018 9:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:46	0:01	SMRR	0.010	1.780	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/11/2018 9:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:49	0:01	SMRR	0.010	2.070	Oversupply
11/11/2018 9:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:49	0:01	SMRR	0.010	1.330	Oversupply
11/11/2018 9:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:50	0:01	SMRR	0.010	1.400	Oversupply
11/11/2018 9:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:51	0:01	SMRR	0.010	1.060	Oversupply
11/11/2018 9:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:52	0:01	SMRR	0.010	0.870	Oversupply
11/11/2018 9:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:52	0:01	SMRR	0.010	0.720	Oversupply
11/11/2018 9:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:53	0:01	SMRR	0.010	0.930	Oversupply
11/11/2018 9:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:54	0:01	SMRR	0.010	1.090	Oversupply
11/11/2018 9:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:55	0:01	SMRR	0.010	1.820	Oversupply
11/11/2018 9:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:55	0:01	SMRR	0.010	1.890	Oversupply
11/11/2018 9:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:56	0:01	SMRR	0.010	2.070	Oversupply
11/11/2018 9:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:57	0:01	SMRR	0.010	1.750	Oversupply
11/11/2018 9:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:58	0:01	SMRR	0.010	1.660	Oversupply
11/11/2018 9:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:59	0:01	SMRR	0.010	1.750	Oversupply
11/11/2018 9:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 9:59	0:01	SMRR	0.017	0.950	Oversupply
11/11/2018 10:00	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:00	0:01	SMRR	0.020	0.870	Oversupply
11/11/2018 10:01	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:01	0:01	SMRR	0.022	1.190	Oversupply
11/11/2018 10:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:03	0:01	SMRR	0.020	2.070	Oversupply
11/11/2018 10:04	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:04	0:01	SMRR	0.021	1.300	Oversupply
11/11/2018 10:04	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:05	0:01	SMRR	0.021	0.790	Oversupply
11/11/2018 10:05	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:05	0:01	SMRR	0.021	1.730	Oversupply
11/11/2018 10:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:06	0:01	SMRR	0.021	1.190	Oversupply
11/11/2018 10:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:07	0:01	SMRR	0.020	1.330	Oversupply
11/11/2018 10:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:08	0:01	SMRR	0.021	0.390	Oversupply
11/11/2018 10:08	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:09	0:01	SMRR	0.021	0.000	Oversupply
11/11/2018 10:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:09	0:01	SMRR	0.021	0.270	Oversupply
11/11/2018 10:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:10	0:01	SMRR	0.020	0.490	Oversupply
11/11/2018 10:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:11	0:01	SMRR	0.021	0.160	Oversupply
11/11/2018 10:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:12	2:37	BS250	Data is not available	Data is not available	Oversupply
11/11/2018 10:12	2:37	SMRR	7.362	0.000	Oversupply
11/11/2018 10:12	2:37	KS	Data is not available	Data is not available	Oversupply
11/11/2018 10:13	2:37	KWPll	15.139	17.709	Oversupply
11/11/2018 12:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:49	0:01	SMRR	0.036	0.110	Oversupply
11/11/2018 12:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:50	0:01	SMRR	0.036	0.490	Oversupply
11/11/2018 12:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:51	0:01	SMRR	0.036	0.440	Oversupply
11/11/2018 12:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:51	0:11	SMRR	0.526	0.000	Oversupply
11/11/2018 12:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:52	0:12	KWPll	0.169	17.615	Oversupply
11/11/2018 12:52	0:11	KS	Data is not available	Data is not available	Oversupply
11/11/2018 12:53	0:10	BS250	Data is not available	Data is not available	Oversupply
11/11/2018 13:03	0:01	SMRR	0.034	0.430	Oversupply
11/11/2018 13:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 13:04	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 13:04	0:01	SMRR	0.033	0.380	Oversupply
11/11/2018 13:04	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 13:04	0:02	SMRR	0.067	0.840	Oversupply
11/11/2018 13:05	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 13:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 13:06	0:01	SMRR	0.034	0.490	Oversupply
11/11/2018 13:07	0:01	KS	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment	
11/11/2018 13:07	0:01	SMRR	0.033	0.220	Oversupply	
11/11/2018 13:07	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:07	0:01	SMRR	0.034	0.300	Oversupply	
11/11/2018 13:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:08	0:01	SMRR	0.034	0.280	Oversupply	
11/11/2018 13:09	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:09	0:01	SMRR	0.034	0.530	Oversupply	
11/11/2018 13:10	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:10	0:01	SMRR	0.034	0.430	Oversupply	
11/11/2018 13:10	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:10	0:01	SMRR	0.033	0.190	Oversupply	
11/11/2018 13:11	0:05	KWP/II		0.066	17.683	Oversupply
11/11/2018 13:11	0:04	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:11	0:04	SMRR	0.169	0.000	Oversupply	
11/11/2018 13:12	0:03	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:15	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:15	0:01	SMRR	0.034	0.050	Oversupply	
11/11/2018 13:16	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:16	0:01	SMRR	0.034	0.240	Oversupply	
11/11/2018 13:16	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:17	0:01	SMRR	0.033	0.300	Oversupply	
11/11/2018 13:17	0:02	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:17	0:07	SMRR	0.308	0.000	Oversupply	
11/11/2018 13:18	0:02	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:19	0:01	KWP/II		0.013	17.674	Oversupply
11/11/2018 13:19	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:20	0:05	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:21	0:05	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:21	0:05	KWP/II		0.055	17.655	Oversupply
11/11/2018 13:24	0:01	SMRR	0.033	0.140	Oversupply	
11/11/2018 13:25	0:01	SMRR	0.034	0.200	Oversupply	
11/11/2018 13:25	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:26	0:01	SMRR	0.034	0.680	Oversupply	
11/11/2018 13:26	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:26	0:01	SMRR	0.034	0.610	Oversupply	
11/11/2018 13:27	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:27	0:01	SMRR	0.034	0.130	Oversupply	
11/11/2018 13:28	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:28	0:01	SMRR	0.034	0.310	Oversupply	
11/11/2018 13:28	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:29	0:01	SMRR	0.034	0.550	Oversupply	
11/11/2018 13:29	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:30	0:01	SMRR	0.028	1.520	Oversupply	
11/11/2018 13:30	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:30	0:01	SMRR	0.029	1.860	Oversupply	
11/11/2018 13:31	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:31	0:01	SMRR	0.029	0.990	Oversupply	
11/11/2018 13:31	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:32	0:01	SMRR	0.029	0.220	Oversupply	
11/11/2018 13:32	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:33	0:01	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:33	0:01	KWP/II		0.002	17.496	Oversupply
11/11/2018 13:33	0:01	SMRR	0.028	0.020	Oversupply	
11/11/2018 13:33	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:33	0:01	SMRR	0.029	0.380	Oversupply	
11/11/2018 13:34	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:34	0:01	SMRR	0.029	0.480	Oversupply	
11/11/2018 13:34	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:35	0:01	SMRR	0.029	1.140	Oversupply	
11/11/2018 13:35	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:36	0:01	SMRR	0.029	0.590	Oversupply	
11/11/2018 13:36	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:36	0:01	SMRR	0.028	0.770	Oversupply	
11/11/2018 13:37	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:37	0:01	SMRR	0.029	0.670	Oversupply	
11/11/2018 13:37	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:38	0:01	SMRR	0.029	0.820	Oversupply	
11/11/2018 13:38	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:39	0:01	SMRR	0.029	0.680	Oversupply	
11/11/2018 13:39	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:39	0:01	SMRR	0.029	0.390	Oversupply	
11/11/2018 13:40	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:40	0:01	SMRR	0.029	0.180	Oversupply	
11/11/2018 13:40	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:41	0:01	SMRR	0.029	0.330	Oversupply	
11/11/2018 13:41	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:42	0:01	SMRR	0.029	0.300	Oversupply	
11/11/2018 13:42	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:43	0:11	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:43	0:11	SMRR	0.481	0.010	Oversupply	
11/11/2018 13:43	0:11	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:44	0:10	KWP/II		0.216	17.660	Oversupply
11/11/2018 13:53	0:01	KS	Data is not available	Data is not available	Oversupply	



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment	
11/11/2018 13:54	0:01	SMRR	0.033	0.300	Oversupply	
11/11/2018 13:54	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:55	0:01	SMRR	0.033	0.620	Oversupply	
11/11/2018 13:55	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:55	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:55	0:01	SMRR	0.033	0.710	Oversupply	
11/11/2018 13:56	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:56	0:01	SMRR	0.032	0.500	Oversupply	
11/11/2018 13:57	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:57	0:01	SMRR	0.033	0.270	Oversupply	
11/11/2018 13:58	0:02	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:58	0:01	SMRR	0.033	0.130	Oversupply	
11/11/2018 13:59	0:01	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 13:59	0:01	SMRR	0.033	0.000	Oversupply	
11/11/2018 13:59	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 13:59	0:01	SMRR	0.031	0.470	Oversupply	
11/11/2018 14:00	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:00	0:01	SMRR	0.030	0.270	Oversupply	
11/11/2018 14:01	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:01	0:01	SMRR	0.030	0.350	Oversupply	
11/11/2018 14:01	0:04	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:02	0:04	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 14:02	0:04	KWP11		0.025	17.508	Oversupply
11/11/2018 14:02	0:04	SMRR	0.150	0.000	Oversupply	
11/11/2018 14:05	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:05	0:01	SMRR	0.030	0.180	Oversupply	
11/11/2018 14:06	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:06	0:01	SMRR	0.029	0.420	Oversupply	
11/11/2018 14:07	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:07	0:01	SMRR	0.030	1.020	Oversupply	
11/11/2018 14:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:08	0:01	SMRR	0.031	0.890	Oversupply	
11/11/2018 14:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:08	0:01	SMRR	0.030	0.400	Oversupply	
11/11/2018 14:09	0:03	BS250	Data is not available	Data is not available	Oversupply	
11/11/2018 14:09	0:02	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:09	0:02	SMRR	0.090	0.000	Oversupply	
11/11/2018 14:10	0:02	KWP11		0.008	17.695	Oversupply
11/11/2018 14:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:12	0:01	SMRR	0.030	0.270	Oversupply	
11/11/2018 14:12	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:12	0:01	SMRR	0.029	0.690	Oversupply	
11/11/2018 14:13	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:13	0:01	SMRR	0.030	0.440	Oversupply	
11/11/2018 14:14	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:14	0:01	SMRR	0.029	0.380	Oversupply	
11/11/2018 14:14	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:15	0:01	SMRR	0.017	1.230	Oversupply	
11/11/2018 14:15	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:15	0:01	SMRR	0.017	1.580	Oversupply	
11/11/2018 14:16	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:16	0:01	SMRR	0.017	1.240	Oversupply	
11/11/2018 14:17	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:17	0:02	SMRR	0.034	1.650	Oversupply	
11/11/2018 14:17	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:18	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:18	0:01	SMRR	0.017	1.860	Oversupply	
11/11/2018 14:19	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:19	0:01	SMRR	0.017	1.440	Oversupply	
11/11/2018 14:20	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:20	0:01	SMRR	0.017	1.090	Oversupply	
11/11/2018 14:20	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:21	0:01	SMRR	0.017	1.040	Oversupply	
11/11/2018 14:21	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:21	0:01	SMRR	0.017	0.860	Oversupply	
11/11/2018 14:22	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:22	0:01	SMRR	0.017	1.450	Oversupply	
11/11/2018 14:23	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:23	0:02	SMRR	0.034	0.760	Oversupply	
11/11/2018 14:23	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:24	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:25	0:01	SMRR	0.017	1.080	Oversupply	
11/11/2018 14:25	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:25	0:01	SMRR	0.017	1.330	Oversupply	
11/11/2018 14:26	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:26	0:01	SMRR	0.017	1.150	Oversupply	
11/11/2018 14:26	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:27	0:01	SMRR	0.017	1.050	Oversupply	
11/11/2018 14:27	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:28	0:01	SMRR	0.017	1.220	Oversupply	
11/11/2018 14:28	0:01	KS	Data is not available	Data is not available	Oversupply	
11/11/2018 14:28	0:01	SMRR	0.017	1.870	Oversupply	
11/11/2018 14:29	0:01	KS	Data is not available	Data is not available	Oversupply	



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/11/2018 14:29	0:01	SMRR	0.011	1.760	Oversupply
11/11/2018 14:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 14:30	0:01	SMRR	0.002	1.780	Oversupply
11/11/2018 14:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 14:31	0:01	SMRR	0.002	1.650	Oversupply
11/11/2018 14:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 14:31	0:01	SMRR	0.002	1.500	Oversupply
11/11/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/11/2018 14:32	0:01	SMRR	0.002	2.110	Oversupply
11/12/2018 8:09	0:01	SMRR	0.002	0.650	Oversupply
11/12/2018 8:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:13	0:01	SMRR	0.002	0.240	Oversupply
11/12/2018 8:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:13	0:01	SMRR	0.002	0.210	Oversupply
11/12/2018 8:14	0:02	KWP/II	0.005	17.526	Oversupply
11/12/2018 8:14	0:02	SMRR	0.024	0.000	Oversupply
11/12/2018 8:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:16	0:01	SMRR	0.016	0.010	Oversupply
11/12/2018 8:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:17	0:01	SMRR	0.015	0.080	Oversupply
11/12/2018 8:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:17	0:03	SMRR	0.062	0.000	Oversupply
11/12/2018 8:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:18	0:02	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:18	0:02	KWP/II	0.016	17.566	Oversupply
11/12/2018 8:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:19	0:06	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:20	0:01	SMRR	0.016	0.180	Oversupply
11/12/2018 8:21	0:04	SMRR	0.077	0.000	Oversupply
11/12/2018 8:22	0:03	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:22	0:03	KWP/II	0.037	17.369	Oversupply
11/12/2018 8:25	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:25	0:01	SMRR	0.016	0.230	Oversupply
11/12/2018 8:26	0:02	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:26	0:01	KWP/II	0.002	17.515	Oversupply
11/12/2018 8:26	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:26	0:01	SMRR	0.015	0.010	Oversupply
11/12/2018 8:26	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:26	0:01	SMRR	0.016	0.230	Oversupply
11/12/2018 8:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:27	0:01	SMRR	0.015	0.080	Oversupply
11/12/2018 8:28	0:01	KWP/II	0.009	17.432	Oversupply
11/12/2018 8:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:28	0:01	SMRR	0.016	0.700	Oversupply
11/12/2018 8:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:29	0:01	SMRR	0.016	1.060	Oversupply
11/12/2018 8:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:30	0:01	SMRR	0.013	1.090	Oversupply
11/12/2018 8:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:31	0:01	SMRR	0.013	0.910	Oversupply
11/12/2018 8:32	0:03	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:32	0:01	SMRR	0.013	0.510	Oversupply
11/12/2018 8:33	0:02	KWP/II	0.004	17.167	Oversupply
11/12/2018 8:33	0:02	SMRR	0.026	0.000	Oversupply
11/12/2018 8:34	0:02	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:34	0:01	SMRR	0.013	0.180	Oversupply
11/12/2018 8:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:35	0:01	SMRR	0.013	0.070	Oversupply
11/12/2018 8:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:36	0:01	SMRR	0.013	0.460	Oversupply
11/12/2018 8:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:36	0:01	SMRR	0.013	0.740	Oversupply
11/12/2018 8:37	0:01	SMRR	0.013	1.000	Oversupply
11/12/2018 8:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:38	0:01	SMRR	0.013	1.010	Oversupply
11/12/2018 8:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:40	0:01	SMRR	0.013	1.060	Oversupply
11/12/2018 8:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:41	0:01	SMRR	0.013	0.890	Oversupply
11/12/2018 8:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:42	0:01	SMRR	0.013	0.670	Oversupply
11/12/2018 8:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:42	0:01	SMRR	0.013	0.150	Oversupply
11/12/2018 8:43	0:02	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:43	0:02	SMRR	0.027	0.000	Oversupply
11/12/2018 8:44	0:01	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:44	0:02	KWP/II	0.019	17.346	Oversupply
11/12/2018 8:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:45	0:01	SMRR	0.021	0.300	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/12/2018 8:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:46	0:01	SMRR	0.021	0.940	Oversupply
11/12/2018 8:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:47	0:01	SMRR	0.021	0.800	Oversupply
11/12/2018 8:48	0:06	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:48	0:06	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:48	0:05	SMRR	0.127	0.000	Oversupply
11/12/2018 8:50	0:03	KWP/II		0.068 16.012	Oversupply
11/12/2018 8:52	0:01	SMRR	0.022	0.030	Oversupply
11/12/2018 8:53	0:01	SMRR	0.021	0.300	Oversupply
11/12/2018 8:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:54	0:02	SMRR	0.063	0.000	Oversupply
11/12/2018 8:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:55	0:01	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:56	0:01	SMRR	0.021	0.180	Oversupply
11/12/2018 8:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:57	0:01	SMRR	0.021	0.010	Oversupply
11/12/2018 8:57	1:42	KS	Data is not available	Data is not available	Oversupply
11/12/2018 8:58	1:41	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 8:58	1:37	KWP/II		5.187 17.049	Oversupply
11/12/2018 8:58	1:42	SMRR	3.829	0.000	Oversupply
11/12/2018 10:36	0:04	KWP/II		0.123 15.053	Oversupply
11/12/2018 10:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:39	0:01	SMRR	0.032	0.150	Oversupply
11/12/2018 10:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:40	0:01	SMRR	0.031	0.290	Oversupply
11/12/2018 10:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:41	0:01	SMRR	0.032	0.580	Oversupply
11/12/2018 10:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:42	0:01	SMRR	0.032	0.690	Oversupply
11/12/2018 10:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:42	0:01	SMRR	0.032	0.210	Oversupply
11/12/2018 10:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:43	0:01	SMRR	0.031	0.390	Oversupply
11/12/2018 10:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:44	0:01	SMRR	0.032	0.460	Oversupply
11/12/2018 10:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:45	0:01	SMRR	0.032	0.380	Oversupply
11/12/2018 10:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:45	0:01	SMRR	0.032	0.110	Oversupply
11/12/2018 10:46	0:01	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 10:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:46	0:01	SMRR	0.032	0.210	Oversupply
11/12/2018 10:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:47	0:01	SMRR	0.032	0.720	Oversupply
11/12/2018 10:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:48	0:01	SMRR	0.032	0.180	Oversupply
11/12/2018 10:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:49	0:01	SMRR	0.032	0.490	Oversupply
11/12/2018 10:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:49	0:01	SMRR	0.032	0.150	Oversupply
11/12/2018 10:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:50	0:01	SMRR	0.032	0.560	Oversupply
11/12/2018 10:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:51	0:01	SMRR	0.032	0.200	Oversupply
11/12/2018 10:51	0:02	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:52	0:01	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 10:52	0:01	KWP/II		0.009 13.579	Oversupply
11/12/2018 10:52	0:01	SMRR	0.032	0.000	Oversupply
11/12/2018 10:52	0:01	SMRR	0.032	0.090	Oversupply
11/12/2018 10:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:53	0:01	SMRR	0.032	0.210	Oversupply
11/12/2018 10:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:54	0:02	KWP/II		0.008 14.497	Oversupply
11/12/2018 10:54	0:01	SMRR	0.032	0.090	Oversupply
11/12/2018 10:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:55	0:03	BS250	Data is not available	Data is not available	Oversupply
11/12/2018 10:55	0:03	SMRR	0.129	0.000	Oversupply
11/12/2018 10:55	0:02	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:57	0:01	KWP/II		0.005 13.672	Oversupply
11/12/2018 10:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:58	0:01	SMRR	0.032	0.180	Oversupply
11/12/2018 10:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:58	0:01	SMRR	0.032	0.460	Oversupply
11/12/2018 10:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 10:59	0:01	SMRR	0.023	1.820	Oversupply
11/12/2018 10:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 11:00	0:01	SMRR	0.017	1.910	Oversupply
11/12/2018 11:01	0:01	KS	Data is not available	Data is not available	Oversupply
11/12/2018 11:02	0:01	KS	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment	
11/12/2018 11:03	0:01	SMRR	0.017	1.750	Oversupply	
11/12/2018 11:03	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:04	0:01	SMRR	0.017	1.450	Oversupply	
11/12/2018 11:04	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:05	0:01	SMRR	0.017	1.640	Oversupply	
11/12/2018 11:05	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:05	0:01	SMRR	0.017	2.010	Oversupply	
11/12/2018 11:05	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:06	0:01	SMRR	0.017	2.050	Oversupply	
11/12/2018 11:07	0:01	SMRR	0.017	2.280	Oversupply	
11/12/2018 11:07	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:08	0:01	SMRR	0.017	2.250	Oversupply	
11/12/2018 11:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:08	0:01	SMRR	0.017	0.600	Oversupply	
11/12/2018 11:08	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:09	0:01	SMRR	0.017	1.900	Oversupply	
11/12/2018 11:09	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:10	0:01	SMRR	0.017	0.530	Oversupply	
11/12/2018 11:10	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:11	0:01	SMRR	0.017	0.800	Oversupply	
11/12/2018 11:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:11	0:01	SMRR	0.017	0.640	Oversupply	
11/12/2018 11:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:12	0:01	BS250	Data is not available	Data is not available	Oversupply	
11/12/2018 11:12	0:01	SMRR	0.017	0.490	Oversupply	
11/12/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:13	0:01	SMRR	0.017	0.900	Oversupply	
11/12/2018 11:13	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:14	0:01	SMRR	0.017	1.610	Oversupply	
11/12/2018 11:14	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:14	0:01	SMRR	0.016	2.400	Oversupply	
11/12/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:15	0:01	SMRR	0.004	2.450	Oversupply	
11/12/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:17	0:01	SMRR	0.004	2.630	Oversupply	
11/12/2018 11:18	0:01	SMRR	0.004	2.670	Oversupply	
11/12/2018 11:35	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:39	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:39	0:01	SMRR	0.002	2.560	Oversupply	
11/12/2018 11:40	0:01	SMRR	0.002	2.300	Oversupply	
11/12/2018 11:40	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 11:40	0:01	SMRR	0.002	2.410	Oversupply	
11/12/2018 13:02	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 13:03	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 13:03	0:01	SMRR	0.003	2.320	Oversupply	
11/12/2018 13:04	0:01	KS	Data is not available	Data is not available	Oversupply	
11/12/2018 13:04	0:01	SMRR	0.003	2.360	Oversupply	
11/13/2018 0:18	0:31	KWP/II		1.418	16.413	Oversupply
11/13/2018 0:54	0:07	KWP/II		0.218	13.401	Oversupply
11/13/2018 1:03	2:15	KWP/II		9.497	14.448	Oversupply
11/13/2018 3:19	0:06	KWP/II		0.063	7.737	Oversupply
11/13/2018 3:28	0:02	KWP/II		0.026	8.123	Oversupply
11/13/2018 3:32	0:34	KWP/II		2.085	15.456	Oversupply
11/13/2018 4:09	0:11	KWP/II		0.180	16.299	Oversupply
11/13/2018 4:24	0:01	KWP/II		0.005	14.049	Oversupply
11/13/2018 4:30	0:05	KWP/II		0.094	16.114	Oversupply
11/13/2018 4:36	0:10	KWP/II		0.325	16.736	Oversupply
11/13/2018 4:51	0:02	KWP/II		0.018	16.061	Oversupply
11/13/2018 4:58	0:24	KWP/II		1.045	16.257	Oversupply
11/13/2018 9:43	0:01	KWP/II		0.000	0.001	Oversupply
11/14/2018 11:36	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:37	0:01	SMRR	0.014		2.070	Oversupply
11/14/2018 11:38	0:10	AWE		0.595	12.300	Oversupply
11/14/2018 11:38	0:10	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:38	0:10	SMRR	0.210		0.000	Oversupply
11/14/2018 11:43	0:05	BS250	Data is not available	Data is not available	Oversupply	
11/14/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:48	0:01	SMRR	0.020		0.540	Oversupply
11/14/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:49	0:01	SMRR	0.020		1.280	Oversupply
11/14/2018 11:49	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:50	0:01	SMRR	0.019		1.610	Oversupply
11/14/2018 11:50	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:57	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:57	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:59	0:01	SMRR	0.020		2.600	Oversupply
11/14/2018 11:59	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 11:59	0:01	SMRR	0.007		2.780	Oversupply
11/14/2018 12:00	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 12:00	0:01	SMRR	0.003		2.450	Oversupply
11/14/2018 12:00	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 12:10	0:01	KS	Data is not available	Data is not available	Oversupply	
11/14/2018 12:10	0:01	SMRR	0.003		2.530	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/14/2018 12:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/14/2018 12:11	0:01	SMRR	0.003	2.540	Oversupply
11/15/2018 11:13	0:01	SMRR	0.000	0.000	Oversupply
11/16/2018 0:07	0:02	KWP/II	0.025	19.071	Oversupply
11/16/2018 0:14	0:01	KWP/II	0.002	18.862	Oversupply
11/16/2018 0:27	0:16	KWP/II	0.958	19.189	Oversupply
11/16/2018 0:50	0:02	KWP/II	0.010	18.843	Oversupply
11/16/2018 0:54	0:02	KWP/II	0.021	19.005	Oversupply
11/16/2018 1:15	0:01	KWP/II	0.022	19.116	Oversupply
11/16/2018 1:41	0:05	KWP/II	0.046	19.093	Oversupply
11/16/2018 1:57	1:41	KWP/II	8.301	19.211	Oversupply
11/16/2018 3:39	0:01	KWP/II	0.003	18.213	Oversupply
11/16/2018 3:44	0:21	KWP/II	0.779	19.143	Oversupply
11/16/2018 4:10	0:23	KWP/II	1.005	19.211	Oversupply
11/16/2018 14:37	0:01	AWE	0.002	0.100	Oversupply
11/17/2018 14:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:31	0:01	SMRR	0.002	0.700	Oversupply
11/17/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:32	0:01	SMRR	0.002	0.370	Oversupply
11/17/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:33	0:01	SMRR	0.002	0.010	Oversupply
11/17/2018 14:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:34	0:01	SMRR	0.002	0.680	Oversupply
11/17/2018 14:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:35	0:01	SMRR	0.002	0.520	Oversupply
11/17/2018 14:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:48	0:01	SMRR	0.004	0.790	Oversupply
11/17/2018 14:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:52	0:01	SMRR	0.004	0.370	Oversupply
11/17/2018 14:52	0:02	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:53	0:01	BS250	Data is not available	Data is not available	Oversupply
11/17/2018 14:53	0:02	SMRR	0.008	0.000	Oversupply
11/17/2018 14:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:54	0:01	SMRR	0.004	0.190	Oversupply
11/17/2018 14:54	0:18	KS	Data is not available	Data is not available	Oversupply
11/17/2018 14:55	0:18	BS250	Data is not available	Data is not available	Oversupply
11/17/2018 14:55	0:18	SMRR	0.150	0.010	Oversupply
11/17/2018 14:57	0:16	KWP/II	0.697	19.211	Oversupply
11/17/2018 15:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:12	0:01	SMRR	0.007	0.000	Oversupply
11/17/2018 15:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:35	0:01	SMRR	0.006	0.850	Oversupply
11/17/2018 15:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:36	0:01	SMRR	0.006	0.270	Oversupply
11/17/2018 15:36	0:03	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:37	0:05	BS250	Data is not available	Data is not available	Oversupply
11/17/2018 15:37	0:05	SMRR	0.039	0.020	Oversupply
11/17/2018 15:39	0:04	KWP/II	0.046	19.211	Oversupply
11/17/2018 15:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:40	0:02	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:42	0:01	SMRR	0.006	0.030	Oversupply
11/17/2018 15:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:43	0:01	SMRR	0.006	0.230	Oversupply
11/17/2018 15:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:44	0:01	SMRR	0.005	0.450	Oversupply
11/17/2018 15:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/17/2018 15:45	0:01	SMRR	0.001	0.570	Oversupply
11/18/2018 11:08	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:09	0:01	SMRR	0.003	1.190	Oversupply
11/18/2018 11:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:10	0:01	SMRR	0.003	0.800	Oversupply
11/18/2018 11:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:11	0:01	SMRR	0.002	1.100	Oversupply
11/18/2018 11:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:11	0:01	SMRR	0.003	1.530	Oversupply
11/18/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:12	0:01	SMRR	0.003	0.890	Oversupply
11/18/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:13	0:01	SMRR	0.003	1.230	Oversupply
11/18/2018 11:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:14	0:01	SMRR	0.003	1.520	Oversupply
11/18/2018 11:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:14	0:01	SMRR	0.017	0.980	Oversupply
11/18/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:15	0:01	SMRR	0.029	0.210	Oversupply
11/18/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 11:16	0:01	SMRR	0.029	0.230	Oversupply
11/18/2018 11:16	0:44	KS	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/18/2018 11:17	0:44	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 11:17	0:44	SMRR	1.503	0.000	Oversupply
11/18/2018 11:19	0:43	KWPPII		5.058 19.211	Oversupply
11/18/2018 12:00	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:01	0:01	SMRR	0.019	0.270	Oversupply
11/18/2018 12:01	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:02	0:01	SMRR	0.019	0.400	Oversupply
11/18/2018 12:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:03	0:01	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 12:03	0:01	SMRR	0.019	0.000	Oversupply
11/18/2018 12:03	0:02	KWPPII		0.007 19.211	Oversupply
11/18/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:03	0:01	SMRR	0.019	0.290	Oversupply
11/18/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:04	0:01	SMRR	0.019	0.660	Oversupply
11/18/2018 12:06	0:01	SMRR	0.019	1.870	Oversupply
11/18/2018 12:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:06	0:01	SMRR	0.019	1.620	Oversupply
11/18/2018 12:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:07	0:01	SMRR	0.019	0.890	Oversupply
11/18/2018 12:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:08	0:01	SMRR	0.019	0.590	Oversupply
11/18/2018 12:08	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:09	0:01	SMRR	0.019	0.130	Oversupply
11/18/2018 12:09	0:06	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:09	0:06	SMRR	0.140	0.000	Oversupply
11/18/2018 12:10	0:05	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 12:11	0:05	KWPPII		0.087 19.211	Oversupply
11/18/2018 12:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:15	0:01	SMRR	0.006	0.700	Oversupply
11/18/2018 12:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:16	0:01	SMRR	0.006	1.170	Oversupply
11/18/2018 12:17	0:01	SMRR	0.006	1.120	Oversupply
11/18/2018 12:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:24	0:01	SMRR	0.006	0.950	Oversupply
11/18/2018 12:25	0:02	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:25	0:01	SMRR	0.006	0.050	Oversupply
11/18/2018 12:25	0:01	SMRR	0.006	0.000	Oversupply
11/18/2018 12:26	0:01	SMRR	0.006	0.590	Oversupply
11/18/2018 12:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:27	0:01	SMRR	0.006	0.670	Oversupply
11/18/2018 12:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:28	0:01	SMRR	0.006	0.750	Oversupply
11/18/2018 12:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:28	0:01	SMRR	0.006	0.320	Oversupply
11/18/2018 12:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:29	0:02	SMRR	0.024	0.280	Oversupply
11/18/2018 12:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:31	0:01	SMRR	0.014	1.060	Oversupply
11/18/2018 12:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:32	0:01	SMRR	0.014	0.690	Oversupply
11/18/2018 12:33	0:03	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:33	0:01	SMRR	0.014	0.050	Oversupply
11/18/2018 12:34	0:03	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 12:34	0:02	SMRR	0.041	0.000	Oversupply
11/18/2018 12:35	0:02	KWPPII		0.023 19.172	Oversupply
11/18/2018 12:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:36	0:01	SMRR	0.014	0.140	Oversupply
11/18/2018 12:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:37	0:01	SMRR	0.014	0.210	Oversupply
11/18/2018 12:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:38	0:01	SMRR	0.013	0.220	Oversupply
11/18/2018 12:38	0:10	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:38	0:01	SMRR	0.014	0.160	Oversupply
11/18/2018 12:39	0:09	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 12:39	0:09	SMRR	0.176	0.020	Oversupply
11/18/2018 12:40	0:09	KWPPII		0.287 19.195	Oversupply
11/18/2018 12:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:48	0:01	SMRR	0.017	0.520	Oversupply
11/18/2018 12:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:51	0:01	SMRR	0.017	1.150	Oversupply
11/18/2018 12:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:51	0:01	SMRR	0.017	0.970	Oversupply
11/18/2018 12:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:52	0:01	SMRR	0.017	0.550	Oversupply
11/18/2018 12:52	0:38	KS	Data is not available	Data is not available	Oversupply
11/18/2018 12:53	0:39	SMRR	1.462	0.000	Oversupply
11/18/2018 12:54	0:38	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 12:54	0:38	KWPPII		6.288 19.199	Oversupply
11/18/2018 13:20	0:07	AWE		0.274 18.500	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/18/2018 13:33	0:02	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:33	0:01	SMRR	0.009	0.780	Oversupply
11/18/2018 13:34	0:01	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 13:34	0:02	KWP/II	0.017	17.607	Oversupply
11/18/2018 13:34	0:01	SMRR	0.009	0.000	Oversupply
11/18/2018 13:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:35	0:01	SMRR	0.009	0.470	Oversupply
11/18/2018 13:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:36	0:01	SMRR	0.009	0.840	Oversupply
11/18/2018 13:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:46	0:01	SMRR	0.028	0.650	Oversupply
11/18/2018 13:46	0:44	KS	Data is not available	Data is not available	Oversupply
11/18/2018 13:46	0:44	SMRR	1.683	0.000	Oversupply
11/18/2018 13:47	0:43	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 13:48	0:43	KWP/II	5.666	19.211	Oversupply
11/18/2018 14:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 14:30	0:01	SMRR	0.031	0.420	Oversupply
11/18/2018 14:30	0:11	KS	Data is not available	Data is not available	Oversupply
11/18/2018 14:31	0:12	BS250	Data is not available	Data is not available	Oversupply
11/18/2018 14:31	0:11	SMRR	0.472	0.000	Oversupply
11/18/2018 14:32	0:12	KWP/II	0.392	19.211	Oversupply
11/18/2018 14:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 14:42	0:01	SMRR	0.032	0.090	Oversupply
11/18/2018 14:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/18/2018 14:43	0:01	SMRR	0.031	1.230	Oversupply
11/18/2018 19:36	0:01	AWE	0.002	0.100	Oversupply
11/19/2018 1:47	0:42	KWP/II	4.580	19.211	Oversupply
11/19/2018 2:33	1:03	KWP/II	1.870	19.211	Oversupply
11/19/2018 3:40	0:32	KWP/II	2.208	19.211	Oversupply
11/19/2018 8:20	0:01	AWE	0.002	0.100	Oversupply
11/19/2018 8:36	0:01	AWE	0.002	0.100	Oversupply
11/19/2018 9:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:51	0:01	SMRR	0.015	1.900	Oversupply
11/19/2018 9:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:51	0:01	SMRR	0.015	1.390	Oversupply
11/19/2018 9:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:52	0:01	SMRR	0.015	0.350	Oversupply
11/19/2018 9:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:53	0:01	SMRR	0.015	0.160	Oversupply
11/19/2018 9:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:54	0:01	SMRR	0.015	0.090	Oversupply
11/19/2018 9:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:55	0:17	BS250	Data is not available	Data is not available	Oversupply
11/19/2018 9:55	0:01	SMRR	0.015	0.010	Oversupply
11/19/2018 9:55	0:16	KS	Data is not available	Data is not available	Oversupply
11/19/2018 9:55	0:16	SMRR	0.551	0.000	Oversupply
11/19/2018 9:57	0:14	KWP/II	0.618	19.211	Oversupply
11/19/2018 10:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 10:11	0:01	SMRR	0.030	0.430	Oversupply
11/19/2018 10:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 10:12	0:01	SMRR	0.030	0.490	Oversupply
11/19/2018 10:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 10:13	0:01	SMRR	0.030	0.510	Oversupply
11/19/2018 10:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 10:14	3:38	BS250	Data is not available	Data is not available	Oversupply
11/19/2018 10:14	0:01	SMRR	0.033	0.200	Oversupply
11/19/2018 10:14	3:38	KS	Data is not available	Data is not available	Oversupply
11/19/2018 10:14	3:37	SMRR	10.020	0.000	Oversupply
11/19/2018 10:16	3:37	KWP/II	40.574	19.211	Oversupply
11/19/2018 13:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:52	0:01	SMRR	0.032	0.130	Oversupply
11/19/2018 13:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:53	0:01	SMRR	0.033	0.810	Oversupply
11/19/2018 13:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:54	0:01	SMRR	0.031	0.370	Oversupply
11/19/2018 13:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:54	0:01	SMRR	0.031	0.420	Oversupply
11/19/2018 13:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:55	0:01	SMRR	0.031	1.050	Oversupply
11/19/2018 13:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:56	0:01	SMRR	0.033	0.850	Oversupply
11/19/2018 13:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:57	0:22	BS250	Data is not available	Data is not available	Oversupply
11/19/2018 13:57	0:01	SMRR	0.031	0.190	Oversupply
11/19/2018 13:57	0:21	KS	Data is not available	Data is not available	Oversupply
11/19/2018 13:57	0:22	SMRR	0.899	0.000	Oversupply
11/19/2018 13:59	0:20	KWP/II	1.507	19.210	Oversupply
11/19/2018 14:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 14:19	0:01	SMRR	0.026	0.510	Oversupply
11/19/2018 14:19	0:03	KS	Data is not available	Data is not available	Oversupply
11/19/2018 14:20	0:04	BS250	Data is not available	Data is not available	Oversupply
11/19/2018 14:20	0:03	SMRR	0.108	0.000	Oversupply
11/19/2018 14:21	0:01	KWP/II	0.003	19.202	Oversupply
11/19/2018 14:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/19/2018 14:23	0:01	SMRR	0.028	0.360	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment	
11/19/2018 14:23	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:23	0:01	SMRR	0.026	0.210	Oversupply	
11/19/2018 14:24	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:24	0:01	SMRR	0.026	1.050	Oversupply	
11/19/2018 14:24	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:25	0:01	SMRR	0.027	1.080	Oversupply	
11/19/2018 14:25	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:26	0:01	SMRR	0.027	0.790	Oversupply	
11/19/2018 14:26	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:26	0:01	SMRR	0.027	0.320	Oversupply	
11/19/2018 14:27	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:27	0:01	SMRR	0.028	0.990	Oversupply	
11/19/2018 14:28	0:01	KS	Data is not available	Data is not available	Oversupply	
11/19/2018 14:28	0:01	SMRR	0.027	1.820	Oversupply	
11/19/2018 22:47	0:01	AWE		0.003	0.200	Oversupply
11/20/2018 2:27	0:01	KWP/II		0.002	19.211	Oversupply
11/20/2018 2:29	1:30	KWP/II		2.555	19.211	Oversupply
11/20/2018 4:00	0:03	KWP/II		0.014	19.204	Oversupply
11/20/2018 4:04	0:02	KWP/II		0.006	19.197	Oversupply
11/20/2018 4:57	0:01	AWE		0.002	0.100	Oversupply
11/20/2018 5:00	0:01	AWE		0.002	0.100	Oversupply
11/20/2018 8:26	0:01	SMRR	0.002	1.050	Oversupply	
11/20/2018 8:27	0:25	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:27	0:01	SMRR	0.002	0.870	Oversupply	
11/20/2018 8:28	0:24	BS250	Data is not available	Data is not available	Oversupply	
11/20/2018 8:28	0:24	SMRR	0.531	0.000	Oversupply	
11/20/2018 8:29	0:24	KWP/II		1.100	19.211	Oversupply
11/20/2018 8:52	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:52	0:01	SMRR	0.017	0.400	Oversupply	
11/20/2018 8:52	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:53	0:01	SMRR	0.016	1.120	Oversupply	
11/20/2018 8:53	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:54	0:01	SMRR	0.017	0.760	Oversupply	
11/20/2018 8:54	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:54	0:01	SMRR	0.017	1.020	Oversupply	
11/20/2018 8:55	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:55	0:01	SMRR	0.017	0.880	Oversupply	
11/20/2018 8:55	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:56	0:01	SMRR	0.016	0.910	Oversupply	
11/20/2018 8:56	0:02	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:57	0:01	SMRR	0.017	0.850	Oversupply	
11/20/2018 8:57	0:01	SMRR	0.017	0.670	Oversupply	
11/20/2018 8:58	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:58	0:03	SMRR	0.080	0.010	Oversupply	
11/20/2018 8:58	0:03	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 8:59	0:50	BS250	Data is not available	Data is not available	Oversupply	
11/20/2018 9:00	0:48	KWP/II		7.777	19.211	Oversupply
11/20/2018 9:01	0:01	SMRR	0.023	0.270	Oversupply	
11/20/2018 9:01	0:46	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 9:02	0:46	SMRR	1.523	0.000	Oversupply	
11/20/2018 9:34	0:03	AWE		0.040	18.300	Oversupply
11/20/2018 9:38	0:06	AWE		0.167	18.400	Oversupply
11/20/2018 9:47	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 9:48	0:01	SMRR	0.029	0.380	Oversupply	
11/20/2018 9:48	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 9:49	0:01	SMRR	0.029	0.020	Oversupply	
11/20/2018 9:49	0:43	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 9:49	0:43	SMRR	1.717	0.000	Oversupply	
11/20/2018 9:50	0:42	BS250	Data is not available	Data is not available	Oversupply	
11/20/2018 9:50	0:43	KWP/II		11.292	19.211	Oversupply
11/20/2018 10:13	0:15	AWE		0.515	21.000	Oversupply
11/20/2018 10:32	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 10:32	0:01	SMRR	0.031	1.410	Oversupply	
11/20/2018 10:33	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 10:34	0:27	BS250	Data is not available	Data is not available	Oversupply	
11/20/2018 10:34	0:28	SMRR	1.162	0.000	Oversupply	
11/20/2018 10:34	0:27	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 10:35	0:27	KWP/II		5.233	19.211	Oversupply
11/20/2018 10:45	0:03	AWE		0.045	21.000	Oversupply
11/20/2018 11:00	0:01	ESA	Data is not available	Data is not available	Oversupply	
11/20/2018 11:00	0:01	ESB	Data is not available	Data is not available	Oversupply	
11/20/2018 11:01	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 11:01	0:01	SMRR	0.018	0.670	Oversupply	
11/20/2018 11:02	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 11:02	0:01	SMRR	0.019	1.040	Oversupply	
11/20/2018 11:03	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 11:03	0:01	SMRR	0.019	1.380	Oversupply	
11/20/2018 11:10	0:01	SMRR	0.019	2.370	Oversupply	
11/20/2018 11:10	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 11:10	0:01	SMRR	0.019	1.410	Oversupply	
11/20/2018 11:11	0:01	KS	Data is not available	Data is not available	Oversupply	
11/20/2018 11:11	0:01	SMRR	0.019	0.740	Oversupply	
11/20/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply	



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/20/2018 11:12	0:01	SMRR	0.018	0.960	Oversupply
11/20/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:13	0:01	SMRR	0.019	1.500	Oversupply
11/20/2018 11:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:13	0:01	SMRR	0.018	0.410	Oversupply
11/20/2018 11:14	0:07	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 11:14	0:07	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 11:14	0:07	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 11:14	0:07	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:14	0:07	SMRR	0.317	0.000	Oversupply
11/20/2018 11:16	0:05	KWP/II	0.152	19.211	Oversupply
11/20/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:21	0:01	SMRR	0.036	0.190	Oversupply
11/20/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:22	0:01	SMRR	0.036	0.330	Oversupply
11/20/2018 11:22	0:11	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:23	0:11	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 11:23	0:11	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 11:23	0:11	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 11:23	0:11	SMRR	0.506	0.000	Oversupply
11/20/2018 11:24	0:10	KWP/II	0.326	19.211	Oversupply
11/20/2018 11:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:34	0:01	SMRR	0.030	0.790	Oversupply
11/20/2018 11:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:35	0:01	SMRR	0.030	1.080	Oversupply
11/20/2018 11:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:36	0:01	SMRR	0.030	1.010	Oversupply
11/20/2018 11:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:36	0:01	SMRR	0.030	1.000	Oversupply
11/20/2018 11:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:37	0:01	SMRR	0.030	1.040	Oversupply
11/20/2018 11:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:38	0:01	SMRR	0.030	2.130	Oversupply
11/20/2018 11:39	0:01	SMRR	0.030	1.790	Oversupply
11/20/2018 11:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:39	0:01	SMRR	0.030	0.840	Oversupply
11/20/2018 11:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:40	0:01	SMRR	0.030	0.500	Oversupply
11/20/2018 11:40	2:31	KS	Data is not available	Data is not available	Oversupply
11/20/2018 11:41	2:30	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 11:41	2:30	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 11:41	2:30	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 11:41	2:30	SMRR	5.798	0.010	Oversupply
11/20/2018 11:42	2:29	KWP/II	26.125	19.211	Oversupply
11/20/2018 12:09	0:04	AWE	0.090	20.800	Oversupply
11/20/2018 12:22	0:01	AWE	0.005	17.900	Oversupply
11/20/2018 14:11	0:01	SMRR	0.036	0.050	Oversupply
11/20/2018 14:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:11	0:01	SMRR	0.036	0.320	Oversupply
11/20/2018 14:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:12	0:01	SMRR	0.035	0.230	Oversupply
11/20/2018 14:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:13	0:01	SMRR	0.036	0.170	Oversupply
11/20/2018 14:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:14	0:01	SMRR	0.036	0.000	Oversupply
11/20/2018 14:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:14	0:01	SMRR	0.035	0.530	Oversupply
11/20/2018 14:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:15	0:01	SMRR	0.020	0.680	Oversupply
11/20/2018 14:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:16	0:01	SMRR	0.020	0.310	Oversupply
11/20/2018 14:16	0:03	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:17	0:02	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 14:17	0:02	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 14:17	0:02	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 14:17	0:02	SMRR	0.061	0.000	Oversupply
11/20/2018 14:18	0:01	KWP/II	0.003	19.169	Oversupply
11/20/2018 14:19	0:01	SMRR	0.020	0.130	Oversupply
11/20/2018 14:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:20	0:01	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 14:20	0:01	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 14:20	0:01	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 14:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:20	0:01	SMRR	0.020	0.000	Oversupply
11/20/2018 14:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:21	0:01	SMRR	0.020	0.480	Oversupply
11/20/2018 14:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:21	0:01	SMRR	0.020	0.290	Oversupply
11/20/2018 14:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:22	0:01	SMRR	0.020	0.050	Oversupply
11/20/2018 14:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:23	0:01	SMRR	0.020	0.150	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/20/2018 14:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:24	0:01	SMRR	0.020	0.000	Oversupply
11/20/2018 14:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:24	0:01	SMRR	0.021	0.180	Oversupply
11/20/2018 14:25	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:25	0:01	SMRR	0.020	0.200	Oversupply
11/20/2018 14:26	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:26	0:01	SMRR	0.020	0.380	Oversupply
11/20/2018 14:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:27	0:01	SMRR	0.020	0.330	Oversupply
11/20/2018 14:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:27	0:01	SMRR	0.020	0.290	Oversupply
11/20/2018 14:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:28	0:01	SMRR	0.020	0.020	Oversupply
11/20/2018 14:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:29	0:01	SMRR	0.020	0.000	Oversupply
11/20/2018 14:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:30	0:01	SMRR	0.008	0.220	Oversupply
11/20/2018 14:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:31	0:01	SMRR	0.008	0.020	Oversupply
11/20/2018 14:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:31	0:01	SMRR	0.008	0.460	Oversupply
11/20/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:32	0:01	SMRR	0.008	0.670	Oversupply
11/20/2018 14:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:33	0:01	SMRR	0.008	0.850	Oversupply
11/20/2018 14:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:34	0:01	SMRR	0.008	0.730	Oversupply
11/20/2018 14:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:34	0:01	SMRR	0.008	0.260	Oversupply
11/20/2018 14:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:35	0:01	SMRR	0.008	0.170	Oversupply
11/20/2018 14:36	0:04	BS250	Data is not available	Data is not available	Oversupply
11/20/2018 14:36	0:04	ESA	Data is not available	Data is not available	Oversupply
11/20/2018 14:36	0:04	ESB	Data is not available	Data is not available	Oversupply
11/20/2018 14:36	0:04	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:36	0:04	SMRR	0.041	0.000	Oversupply
11/20/2018 14:37	0:04	KWP/II	0.048	19.211	Oversupply
11/20/2018 14:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:40	0:01	SMRR	0.008	0.070	Oversupply
11/20/2018 14:40	0:01	SMRR	0.008	0.640	Oversupply
11/20/2018 14:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:44	0:01	SMRR	0.008	0.600	Oversupply
11/20/2018 14:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:44	0:01	SMRR	0.001	1.500	Oversupply
11/20/2018 14:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 14:45	0:01	SMRR	0.001	1.820	Oversupply
11/20/2018 15:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:42	0:01	SMRR	0.001	0.500	Oversupply
11/20/2018 15:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:42	0:01	SMRR	0.001	0.630	Oversupply
11/20/2018 15:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:43	0:01	SMRR	0.001	0.700	Oversupply
11/20/2018 15:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:44	0:01	SMRR	0.000	1.140	Oversupply
11/20/2018 15:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:45	0:01	SMRR	0.005	0.920	Oversupply
11/20/2018 15:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:46	0:01	SMRR	0.005	1.490	Oversupply
11/20/2018 15:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:47	0:01	SMRR	0.005	1.100	Oversupply
11/20/2018 15:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:51	0:01	SMRR	0.005	0.910	Oversupply
11/20/2018 15:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:52	0:01	SMRR	0.005	0.680	Oversupply
11/20/2018 15:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:52	0:01	SMRR	0.005	0.770	Oversupply
11/20/2018 15:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:53	0:01	SMRR	0.005	0.930	Oversupply
11/20/2018 15:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:54	0:01	SMRR	0.005	1.070	Oversupply
11/20/2018 15:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/20/2018 15:55	0:01	SMRR	0.005	0.890	Oversupply
11/20/2018 15:55	0:01	SMRR	0.005	0.970	Oversupply
11/20/2018 22:30	7:18	KWP/II	107.392	19.211	Oversupply
11/21/2018 0:05	4:29	AWE	34.891	21.000	Oversupply
11/21/2018 5:55	0:03	KWP/II	0.034	19.183	System Constraint
11/21/2018 6:35	0:16	BS250	Data is not available	Data is not available	System Constraint
11/21/2018 6:35	0:16	ESA	Data is not available	Data is not available	System Constraint
11/21/2018 6:35	0:16	ESB	Data is not available	Data is not available	System Constraint
11/21/2018 6:36	0:16	KWP/II	0.587	19.211	System Constraint



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/21/2018 7:01	0:04	BS250	Data is not available	Data is not available	System Constraint
11/21/2018 7:01	0:04	ESA	Data is not available	Data is not available	System Constraint
11/21/2018 7:01	0:04	ESB	Data is not available	Data is not available	System Constraint
11/21/2018 7:01	0:04	SMRR	0.000	0.000	System Constraint
11/21/2018 7:03	0:03	KWP/II	0.048	19.200	System Constraint
11/21/2018 7:06	0:01	BS250	Data is not available	Data is not available	System Constraint
11/21/2018 7:06	0:01	ESA	Data is not available	Data is not available	System Constraint
11/21/2018 7:06	0:01	ESB	Data is not available	Data is not available	System Constraint
11/21/2018 7:06	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 7:06	0:02	SMRR	0.000	0.000	System Constraint
11/21/2018 7:07	0:02	KWP/II	0.008	19.061	System Constraint
11/21/2018 7:07	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 7:08	0:01	SMRR	0.000	0.000	System Constraint
11/21/2018 7:19	4:44	KS	Data is not available	Data is not available	System Constraint
11/21/2018 7:20	6:39	BS250	Data is not available	Data is not available	System Constraint
11/21/2018 7:20	6:39	ESA	Data is not available	Data is not available	System Constraint
11/21/2018 7:20	6:39	ESB	Data is not available	Data is not available	System Constraint
11/21/2018 7:20	4:43	SMRR	0.000	0.000	System Constraint
11/21/2018 7:21	4:43	KWP/II	72.604	20.644	System Constraint
11/21/2018 9:27	0:05	AWE	0.051	21.000	System Constraint
11/21/2018 9:34	2:16	AWE	21.022	21.000	System Constraint
11/21/2018 11:57	0:01	AWE	0.003	21.000	System Constraint
11/21/2018 12:03	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 12:04	0:01	SMRR	0.000	0.540	System Constraint
11/21/2018 12:04	0:32	KS	Data is not available	Data is not available	System Constraint
11/21/2018 12:04	0:31	SMRR	0.000	0.000	System Constraint
11/21/2018 12:05	0:32	KWP/II	9.240	20.647	System Constraint
11/21/2018 12:25	0:01	AWE	0.002	21.000	System Constraint
11/21/2018 12:27	0:02	AWE	0.026	21.000	System Constraint
11/21/2018 12:30	0:01	AWE	0.004	21.000	System Constraint
11/21/2018 12:36	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 12:36	0:01	SMRR	0.000	0.220	System Constraint
11/21/2018 12:36	1:23	KS	Data is not available	Data is not available	System Constraint
11/21/2018 12:37	1:22	SMRR	0.000	0.000	System Constraint
11/21/2018 12:38	1:22	KWP/II	17.038	20.695	System Constraint
11/21/2018 13:59	0:01	SMRR	0.000	0.160	System Constraint
11/21/2018 13:59	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:00	0:01	SMRR	0.000	0.350	System Constraint
11/21/2018 14:00	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:01	0:01	SMRR	0.000	1.070	System Constraint
11/21/2018 14:02	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:03	0:01	SMRR	0.000	2.180	System Constraint
11/21/2018 14:04	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:04	0:01	SMRR	0.000	1.740	System Constraint
11/21/2018 14:05	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:05	0:01	SMRR	0.000	1.690	System Constraint
11/21/2018 14:05	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:06	0:01	SMRR	0.000	1.770	System Constraint
11/21/2018 14:06	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:07	0:01	SMRR	0.000	1.280	System Constraint
11/21/2018 14:07	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:07	0:01	SMRR	0.000	1.210	System Constraint
11/21/2018 14:13	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:13	0:01	SMRR	0.000	2.170	System Constraint
11/21/2018 14:14	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:14	0:01	SMRR	0.000	2.020	System Constraint
11/21/2018 14:14	0:01	SMRR	0.000	2.100	System Constraint
11/21/2018 14:17	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:17	0:01	SMRR	0.000	1.790	System Constraint
11/21/2018 14:18	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:18	0:01	SMRR	0.000	1.300	System Constraint
11/21/2018 14:19	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:19	0:01	SMRR	0.000	1.320	System Constraint
11/21/2018 14:20	0:01	KS	Data is not available	Data is not available	System Constraint
11/21/2018 14:20	0:01	SMRR	0.000	1.190	System Constraint
11/21/2018 14:20	0:01	SMRR	0.000	1.870	System Constraint
11/22/2018 2:58	0:01	KWP/II	0.004	4.605	Oversupply
11/22/2018 3:00	0:01	KWP/II	0.006	4.919	Oversupply
11/23/2018 4:53	0:01	AWE	0.002	0.100	Oversupply
11/23/2018 5:06	0:01	AWE	0.002	0.100	Oversupply
11/23/2018 6:18	0:01	AWE	0.003	0.200	Oversupply
11/23/2018 7:16	0:07	BS250	Data is not available	Data is not available	Oversupply
11/23/2018 7:16	0:07	ESA	Data is not available	Data is not available	Oversupply
11/23/2018 7:16	0:07	ESB	Data is not available	Data is not available	Oversupply
11/23/2018 7:16	0:07	KS	Data is not available	Data is not available	Oversupply
11/23/2018 7:16	0:07	SMRR	0.011	0.000	Oversupply
11/23/2018 7:17	0:06	KWP/II	0.171	10.339	Oversupply
11/23/2018 9:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 9:57	0:01	SMRR	0.001	2.110	Oversupply
11/23/2018 11:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:18	0:01	SMRR	0.009	0.880	Oversupply
11/23/2018 11:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:19	0:01	SMRR	0.009	0.650	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/23/2018 11:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:20	0:01	BS250	Data is not available	Data is not available	Oversupply
11/23/2018 11:20	0:01	ESA	Data is not available	Data is not available	Oversupply
11/23/2018 11:20	0:01	ESB	Data is not available	Data is not available	Oversupply
11/23/2018 11:20	0:01	SMRR	0.009	0.400	Oversupply
11/23/2018 11:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:21	0:01	KWPII	0.002	0.924	Oversupply
11/23/2018 11:21	0:01	SMRR	0.009	0.000	Oversupply
11/23/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:21	0:01	SMRR	0.009	0.660	Oversupply
11/23/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:22	0:01	SMRR	0.009	0.900	Oversupply
11/23/2018 11:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:23	0:01	SMRR	0.009	1.530	Oversupply
11/23/2018 11:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:45	0:01	SMRR	0.017	1.920	Oversupply
11/23/2018 11:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:46	0:01	SMRR	0.017	1.640	Oversupply
11/23/2018 11:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:47	0:01	SMRR	0.017	1.160	Oversupply
11/23/2018 11:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:47	0:01	SMRR	0.017	0.270	Oversupply
11/23/2018 11:48	0:01	BS250	Data is not available	Data is not available	Oversupply
11/23/2018 11:48	0:01	ESA	Data is not available	Data is not available	Oversupply
11/23/2018 11:48	0:01	ESB	Data is not available	Data is not available	Oversupply
11/23/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:48	0:01	SMRR	0.017	0.020	Oversupply
11/23/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:49	0:01	AWE	0.004	21.000	Oversupply
11/23/2018 11:49	0:01	KWPII	0.001	0.084	Oversupply
11/23/2018 11:49	0:01	SMRR	0.017	0.000	Oversupply
11/23/2018 11:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:50	0:01	SMRR	0.017	0.110	Oversupply
11/23/2018 11:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:50	0:01	SMRR	0.017	0.100	Oversupply
11/23/2018 11:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:51	0:01	SMRR	0.017	1.080	Oversupply
11/23/2018 11:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:52	0:01	SMRR	0.017	0.750	Oversupply
11/23/2018 11:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:53	0:01	SMRR	0.017	1.020	Oversupply
11/23/2018 11:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:53	0:01	SMRR	0.017	1.760	Oversupply
11/23/2018 11:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:58	0:01	SMRR	0.017	2.440	Oversupply
11/23/2018 11:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:59	0:01	SMRR	0.017	1.610	Oversupply
11/23/2018 11:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 11:59	0:01	SMRR	0.012	1.550	Oversupply
11/23/2018 12:00	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:00	0:01	SMRR	0.010	1.440	Oversupply
11/23/2018 12:00	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:01	0:01	SMRR	0.009	0.630	Oversupply
11/23/2018 12:01	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:02	0:01	SMRR	0.010	0.310	Oversupply
11/23/2018 12:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:03	0:01	SMRR	0.010	0.760	Oversupply
11/23/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:03	0:01	SMRR	0.010	0.990	Oversupply
11/23/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:04	0:01	SMRR	0.009	1.580	Oversupply
11/23/2018 12:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:16	0:01	SMRR	0.003	1.910	Oversupply
11/23/2018 12:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/23/2018 12:17	0:01	SMRR	0.003	2.690	Oversupply
11/23/2018 23:21	0:14	KWPII	0.610	12.407	Oversupply
11/23/2018 23:39	0:05	KWPII	0.294	14.341	Oversupply
11/23/2018 23:45	0:58	KWPII	4.448	15.400	Oversupply
11/24/2018 7:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 7:38	0:01	SMRR	0.004	0.340	Oversupply
11/24/2018 7:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 7:38	0:01	SMRR	0.004	0.110	Oversupply
11/24/2018 7:39	0:23	KS	Data is not available	Data is not available	Oversupply
11/24/2018 7:39	0:01	SMRR	0.004	0.140	Oversupply
11/24/2018 7:40	0:22	BS250	Data is not available	Data is not available	Oversupply
11/24/2018 7:40	0:22	ESA	Data is not available	Data is not available	Oversupply
11/24/2018 7:40	0:22	ESB	Data is not available	Data is not available	Oversupply
11/24/2018 7:40	0:22	KWPII	0.984	20.664	Oversupply
11/24/2018 7:40	0:21	SMRR	0.249	0.000	Oversupply
11/24/2018 8:01	0:01	SMRR	0.012	0.110	Oversupply
11/24/2018 8:01	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:03	0:01	SMRR	0.012	0.440	Oversupply
11/24/2018 8:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:04	0:12	BS250	Data is not available	Data is not available	Oversupply
11/24/2018 8:04	0:12	ESA	Data is not available	Data is not available	Oversupply
11/24/2018 8:04	0:12	ESB	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/24/2018 8:04	0:12	SMRR	0.192	0.000	Oversupply
11/24/2018 8:04	0:12	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:05	0:12	KWP/II		0.522	20.665
11/24/2018 8:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:16	0:01	SMRR	0.011	0.670	Oversupply
11/24/2018 8:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:19	0:01	SMRR	0.011	0.710	Oversupply
11/24/2018 8:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:20	0:01	SMRR	0.010	0.280	Oversupply
11/24/2018 8:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:20	0:01	SMRR	0.011	0.520	Oversupply
11/24/2018 8:21	0:02	BS250	Data is not available	Data is not available	Oversupply
11/24/2018 8:21	0:02	ESA	Data is not available	Data is not available	Oversupply
11/24/2018 8:21	0:02	ESB	Data is not available	Data is not available	Oversupply
11/24/2018 8:21	0:02	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:21	0:02	SMRR	0.031	0.000	Oversupply
11/24/2018 8:22	0:02	KWP/II		0.022	20.100
11/24/2018 8:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:23	0:01	SMRR	0.011	0.400	Oversupply
11/24/2018 8:27	0:01	SMRR	0.011	0.850	Oversupply
11/24/2018 8:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:28	0:01	SMRR	0.011	0.550	Oversupply
11/24/2018 8:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/24/2018 8:29	0:01	SMRR	0.010	0.000	Oversupply
11/24/2018 8:30	0:01	SMRR	0.001	1.020	Oversupply
11/25/2018 12:25	0:01	KWP/II		0.000	0.010
11/25/2018 12:27	0:01	KWP/II		0.000	0.007
11/26/2018 6:46	0:39	KWP/II		1.219	5.829
11/27/2018 2:50	0:12	AWE		0.426	10.100
11/27/2018 3:04	0:03	AWE		0.049	8.100
11/27/2018 3:08	1:47	AWE		7.635	18.100
11/27/2018 4:58	0:04	AWE		0.031	14.400
11/27/2018 5:22	0:15	AWE		0.299	19.600
11/27/2018 5:41	0:15	AWE		0.738	21.000
11/27/2018 8:34	6:36	SMRR	0.000	0.000	System Constraint
11/27/2018 9:00	0:01	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 9:00	0:01	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 9:00	0:01	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 10:02	0:01	AWE		0.007	20.500
11/27/2018 10:06	0:05	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 10:06	0:05	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 10:06	0:05	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 10:06	0:06	AWE		0.071	20.700
11/27/2018 10:14	0:01	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 10:14	0:01	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 10:14	0:01	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 10:17	0:41	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 10:17	0:41	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 10:17	0:41	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 10:17	0:41	AWE		2.216	20.700
11/27/2018 10:59	0:01	AWE		0.008	19.800
11/27/2018 11:01	0:05	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 11:01	0:05	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 11:01	0:05	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 11:02	0:04	AWE		0.060	20.400
11/27/2018 11:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:47	0:01	AWE		0.002	20.100
11/27/2018 11:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:49	0:03	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 11:49	0:03	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 11:49	0:03	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 11:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:52	0:01	AWE		0.006	20.000
11/27/2018 11:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:54	0:53	KS	Data is not available	Data is not available	Oversupply
11/27/2018 11:55	0:52	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 11:55	0:52	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 11:55	0:52	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 11:55	0:51	AWE		5.005	21.000
11/27/2018 12:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 14:02	1:07	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 14:02	1:07	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 14:02	1:07	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 14:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 14:03	1:08	AWE		5.330	21.000
11/27/2018 14:03	1:06	KS	Data is not available	Data is not available	Oversupply
11/27/2018 15:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 15:10	0:01	BS250	Data is not available	Data is not available	Oversupply
11/27/2018 15:10	0:01	ESA	Data is not available	Data is not available	Oversupply
11/27/2018 15:10	0:01	ESB	Data is not available	Data is not available	Oversupply
11/27/2018 15:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 15:10	0:01	SMRR	0.022	0.110	Oversupply
11/27/2018 15:11	0:01	KS	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/27/2018 15:11	0:01	SMRR	0.022	0.540	Oversupply
11/27/2018 15:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/27/2018 15:12	0:01	SMRR	0.022	1.350	Oversupply
11/27/2018 15:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 0:22	0:01	AWE	0.002	7.800	Oversupply
11/28/2018 0:24	0:11	AWE	0.456	12.200	Oversupply
11/28/2018 0:36	0:01	AWE	0.004	8.400	Oversupply
11/28/2018 0:43	0:07	AWE	0.204	13.800	Oversupply
11/28/2018 0:54	0:03	AWE	0.055	11.000	Oversupply
11/28/2018 1:06	4:22	AWE	32.562	21.000	Oversupply
11/28/2018 5:32	0:01	AWE	0.006	21.000	Oversupply
11/28/2018 10:17	0:01	SMRR	0.011	1.800	Oversupply
11/28/2018 10:18	0:01	SMRR	0.011	1.930	Oversupply
11/28/2018 10:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:19	0:01	SMRR	0.011	1.960	Oversupply
11/28/2018 10:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:19	0:01	SMRR	0.011	1.910	Oversupply
11/28/2018 10:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:20	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:21	0:01	SMRR	0.011	1.860	Oversupply
11/28/2018 10:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:22	0:01	SMRR	0.011	1.660	Oversupply
11/28/2018 10:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:23	0:01	SMRR	0.011	1.560	Oversupply
11/28/2018 10:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:23	0:01	SMRR	0.012	1.490	Oversupply
11/28/2018 10:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:24	0:01	SMRR	0.011	1.340	Oversupply
11/28/2018 10:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:25	0:01	SMRR	0.011	1.190	Oversupply
11/28/2018 10:25	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:26	0:01	SMRR	0.011	0.870	Oversupply
11/28/2018 10:26	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:26	0:01	SMRR	0.011	0.910	Oversupply
11/28/2018 10:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:27	0:02	SMRR	0.022	1.010	Oversupply
11/28/2018 10:27	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:29	0:01	SMRR	0.011	0.990	Oversupply
11/28/2018 10:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:29	0:02	SMRR	0.036	0.930	Oversupply
11/28/2018 10:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:31	0:01	SMRR	0.019	1.230	Oversupply
11/28/2018 10:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:35	0:01	SMRR	0.019	2.100	Oversupply
11/28/2018 10:36	0:01	SMRR	0.019	1.420	Oversupply
11/28/2018 10:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:36	0:01	SMRR	0.019	1.120	Oversupply
11/28/2018 10:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:37	0:01	SMRR	0.019	0.660	Oversupply
11/28/2018 10:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:38	0:01	SMRR	0.019	0.840	Oversupply
11/28/2018 10:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:39	0:01	SMRR	0.020	0.890	Oversupply
11/28/2018 10:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:39	0:01	SMRR	0.019	0.360	Oversupply
11/28/2018 10:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:40	0:01	SMRR	0.019	0.200	Oversupply
11/28/2018 10:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:41	0:01	SMRR	0.019	0.210	Oversupply
11/28/2018 10:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:42	0:01	SMRR	0.019	0.800	Oversupply
11/28/2018 10:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:42	0:01	SMRR	0.019	0.200	Oversupply
11/28/2018 10:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:43	0:01	SMRR	0.019	0.080	Oversupply
11/28/2018 10:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:44	0:01	SMRR	0.019	0.410	Oversupply
11/28/2018 10:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:45	0:01	SMRR	0.019	0.700	Oversupply
11/28/2018 10:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:45	0:01	SMRR	0.019	0.620	Oversupply
11/28/2018 10:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:46	0:01	SMRR	0.018	1.040	Oversupply
11/28/2018 10:46	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:47	0:01	SMRR	0.019	1.390	Oversupply
11/28/2018 10:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:48	0:01	SMRR	0.019	1.450	Oversupply
11/28/2018 10:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:48	0:01	SMRR	0.019	1.020	Oversupply
11/28/2018 10:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:49	0:01	SMRR	0.018	1.110	Oversupply
11/28/2018 10:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:50	0:01	SMRR	0.019	0.560	Oversupply
11/28/2018 10:50	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:51	0:01	SMRR	0.019	0.610	Oversupply
11/28/2018 10:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:52	0:01	SMRR	0.019	0.300	Oversupply
11/28/2018 10:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:52	0:01	SMRR	0.018	1.150	Oversupply
11/28/2018 10:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:53	0:01	SMRR	0.019	1.080	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/28/2018 10:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:54	0:01	SMRR	0.019	0.930	Oversupply
11/28/2018 10:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:55	0:01	SMRR	0.019	1.270	Oversupply
11/28/2018 10:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:55	0:01	SMRR	0.018	1.590	Oversupply
11/28/2018 10:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:56	0:01	SMRR	0.019	1.460	Oversupply
11/28/2018 10:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:57	0:01	SMRR	0.019	1.530	Oversupply
11/28/2018 10:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:58	0:01	SMRR	0.019	1.980	Oversupply
11/28/2018 10:58	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 10:59	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:01	0:01	SMRR	0.009	2.090	Oversupply
11/28/2018 11:01	0:01	SMRR	0.009	1.520	Oversupply
11/28/2018 11:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:02	0:01	SMRR	0.009	1.480	Oversupply
11/28/2018 11:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:03	0:01	SMRR	0.009	1.750	Oversupply
11/28/2018 11:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:04	0:01	SMRR	0.009	1.800	Oversupply
11/28/2018 11:04	0:02	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:05	0:01	SMRR	0.009	1.760	Oversupply
11/28/2018 11:05	0:01	SMRR	0.009	1.970	Oversupply
11/28/2018 11:05	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:06	0:01	SMRR	0.009	1.400	Oversupply
11/28/2018 11:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:07	0:01	SMRR	0.009	1.730	Oversupply
11/28/2018 11:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:08	0:01	SMRR	0.009	2.120	Oversupply
11/28/2018 11:08	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:08	0:01	SMRR	0.009	2.200	Oversupply
11/28/2018 11:09	0:01	SMRR	0.009	1.980	Oversupply
11/28/2018 11:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:11	0:01	SMRR	0.009	2.240	Oversupply
11/28/2018 11:11	0:01	SMRR	0.009	1.930	Oversupply
11/28/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:12	0:01	SMRR	0.009	2.000	Oversupply
11/28/2018 11:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:13	0:01	SMRR	0.009	1.640	Oversupply
11/28/2018 11:13	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:14	0:01	SMRR	0.009	1.860	Oversupply
11/28/2018 11:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:15	0:01	SMRR	0.003	2.310	Oversupply
11/28/2018 11:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:21	0:01	SMRR	0.003	2.170	Oversupply
11/28/2018 11:21	0:01	SMRR	0.003	1.950	Oversupply
11/28/2018 11:21	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:22	0:01	SMRR	0.003	1.710	Oversupply
11/28/2018 11:22	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:23	0:01	SMRR	0.003	2.290	Oversupply
11/28/2018 11:23	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:24	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:27	0:01	SMRR	0.003	2.060	Oversupply
11/28/2018 11:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:28	0:01	SMRR	0.003	2.340	Oversupply
11/28/2018 11:29	0:01	SMRR	0.004	2.360	Oversupply
11/28/2018 11:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:30	0:01	SMRR	0.008	2.180	Oversupply
11/28/2018 11:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:30	0:01	SMRR	0.008	2.120	Oversupply
11/28/2018 11:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:35	0:01	SMRR	0.008	2.170	Oversupply
11/28/2018 11:36	0:01	SMRR	0.008	1.730	Oversupply
11/28/2018 11:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:37	0:01	SMRR	0.008	1.540	Oversupply
11/28/2018 11:37	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:37	0:01	SMRR	0.008	1.720	Oversupply
11/28/2018 11:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:38	0:01	SMRR	0.008	1.970	Oversupply
11/28/2018 11:38	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:39	0:01	SMRR	0.008	1.490	Oversupply
11/28/2018 11:39	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:40	0:01	SMRR	0.008	2.100	Oversupply
11/28/2018 11:40	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:40	0:01	SMRR	0.008	1.960	Oversupply
11/28/2018 11:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:41	0:01	SMRR	0.008	2.060	Oversupply
11/28/2018 11:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:42	0:01	SMRR	0.008	2.260	Oversupply
11/28/2018 11:42	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:43	0:01	SMRR	0.008	2.040	Oversupply
11/28/2018 11:43	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:44	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:44	0:01	SMRR	0.014	2.090	Oversupply
11/28/2018 11:45	0:01	SMRR	0.017	1.770	Oversupply
11/28/2018 11:45	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:46	0:01	SMRR	0.017	1.520	Oversupply
11/28/2018 11:46	0:01	KS	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

November 2018

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/28/2018 11:47	0:01	SMRR	0.017	2.200	Oversupply
11/28/2018 11:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:47	0:01	SMRR	0.017	1.970	Oversupply
11/28/2018 11:47	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:48	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:49	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:50	0:01	SMRR	0.017	2.230	Oversupply
11/28/2018 11:50	0:01	SMRR	0.017	2.110	Oversupply
11/28/2018 11:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:51	0:01	SMRR	0.017	2.230	Oversupply
11/28/2018 11:51	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:52	0:01	SMRR	0.017	1.520	Oversupply
11/28/2018 11:52	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:53	0:01	SMRR	0.017	0.820	Oversupply
11/28/2018 11:53	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:53	0:01	SMRR	0.017	0.470	Oversupply
11/28/2018 11:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:54	0:01	SMRR	0.017	0.580	Oversupply
11/28/2018 11:54	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:55	0:01	SMRR	0.017	0.090	Oversupply
11/28/2018 11:55	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:56	0:01	BS250	Data is not available	Data is not available	Oversupply
11/28/2018 11:56	0:01	ESA	Data is not available	Data is not available	Oversupply
11/28/2018 11:56	0:01	ESB	Data is not available	Data is not available	Oversupply
11/28/2018 11:56	0:02	SMRR	0.034	0.000	Oversupply
11/28/2018 11:56	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 11:57	0:01	AWE	0.011	21.000	Oversupply
11/28/2018 11:57	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:01	0:01	SMRR	0.009	2.290	Oversupply
11/28/2018 12:02	0:01	SMRR	0.009	1.790	Oversupply
11/28/2018 12:02	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:03	0:01	SMRR	0.009	1.600	Oversupply
11/28/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:03	0:01	SMRR	0.009	1.860	Oversupply
11/28/2018 12:03	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:04	0:01	SMRR	0.009	1.930	Oversupply
11/28/2018 12:04	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:05	0:01	SMRR	0.009	1.640	Oversupply
11/28/2018 12:05	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:06	0:01	SMRR	0.009	1.940	Oversupply
11/28/2018 12:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:10	0:01	SMRR	0.009	2.320	Oversupply
11/28/2018 12:11	0:01	SMRR	0.009	2.350	Oversupply
11/28/2018 12:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 12:14	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:04	0:01	SMRR	0.011	2.080	Oversupply
11/28/2018 14:06	0:01	SMRR	0.011	2.130	Oversupply
11/28/2018 14:06	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:06	0:01	SMRR	0.011	2.060	Oversupply
11/28/2018 14:07	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:07	0:01	SMRR	0.010	2.110	Oversupply
11/28/2018 14:08	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:08	0:01	SMRR	0.011	2.020	Oversupply
11/28/2018 14:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:09	0:01	SMRR	0.011	1.430	Oversupply
11/28/2018 14:09	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:09	0:01	SMRR	0.011	1.370	Oversupply
11/28/2018 14:10	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:10	0:01	SMRR	0.010	1.000	Oversupply
11/28/2018 14:11	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:11	0:01	SMRR	0.011	0.350	Oversupply
11/28/2018 14:12	0:02	BS250	Data is not available	Data is not available	Oversupply
11/28/2018 14:12	0:02	ESA	Data is not available	Data is not available	Oversupply
11/28/2018 14:12	0:02	ESB	Data is not available	Data is not available	Oversupply
11/28/2018 14:12	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:12	0:02	SMRR	0.021	0.000	Oversupply
11/28/2018 14:12	0:02	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:13	0:01	AWE	0.004	21.000	Oversupply
11/28/2018 14:13	0:01	SMRR	0.011	0.140	Oversupply
11/28/2018 14:14	0:01	SMRR	0.017	0.320	Oversupply
11/28/2018 14:15	0:01	BS250	Data is not available	Data is not available	Oversupply
11/28/2018 14:15	0:01	ESA	Data is not available	Data is not available	Oversupply
11/28/2018 14:15	0:01	ESB	Data is not available	Data is not available	Oversupply
11/28/2018 14:15	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:15	0:01	SMRR	0.027	0.300	Oversupply
11/28/2018 14:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:16	0:01	SMRR	0.027	0.680	Oversupply
11/28/2018 14:16	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:16	0:01	SMRR	0.027	0.890	Oversupply
11/28/2018 14:17	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:17	0:01	SMRR	0.026	1.030	Oversupply
11/28/2018 14:18	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:18	0:01	SMRR	0.027	1.000	Oversupply
11/28/2018 14:19	0:09	BS250	Data is not available	Data is not available	Oversupply
11/28/2018 14:19	0:09	ESA	Data is not available	Data is not available	Oversupply
11/28/2018 14:19	0:09	ESB	Data is not available	Data is not available	Oversupply
11/28/2018 14:19	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:19	0:08	SMRR	0.293	0.000	Oversupply
11/28/2018 14:19	0:08	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:20	0:08	AWE	0.244	21.000	Oversupply
11/28/2018 14:27	0:01	SMRR	0.027	0.750	Oversupply



Maui Curtailment Report

November 2018

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/28/2018 14:28	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:28	0:01	SMRR	0.027	0.830	Oversupply
11/28/2018 14:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:29	0:01	SMRR	0.026	0.370	Oversupply
11/28/2018 14:29	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:29	0:01	SMRR	0.014	0.710	Oversupply
11/28/2018 14:30	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:30	0:01	SMRR	0.009	0.300	Oversupply
11/28/2018 14:31	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:31	0:01	SMRR	0.009	0.670	Oversupply
11/28/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:32	0:01	SMRR	0.009	0.370	Oversupply
11/28/2018 14:32	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:32	0:01	SMRR	0.008	0.800	Oversupply
11/28/2018 14:33	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:33	0:01	SMRR	0.009	1.360	Oversupply
11/28/2018 14:34	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:34	0:01	SMRR	0.009	0.970	Oversupply
11/28/2018 14:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:35	0:01	SMRR	0.009	1.460	Oversupply
11/28/2018 14:35	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:35	0:01	SMRR	0.009	2.000	Oversupply
11/28/2018 14:36	0:01	KS	Data is not available	Data is not available	Oversupply
11/28/2018 14:41	0:01	KS	Data is not available	Data is not available	Oversupply
11/29/2018 5:45	0:01	AWE	0.003	0.200	Oversupply
11/30/2018 7:17	0:01	AWE	0.002	0.100	Oversupply
11/30/2018 8:37	0:01	KWP	0.003	0.015	Oversupply
11/30/2018 10:54	0:17	KWP II	0.223	1.649	Oversupply
11/30/2018 11:37	0:02	SMRR	0.009	0.000	Oversupply
11/30/2018 11:38	0:01	5A	Data is not available	Data is not available	Oversupply
11/30/2018 11:38	0:01	BS	Data is not available	Data is not available	Oversupply
11/30/2018 11:38	0:01	BS250	Data is not available	Data is not available	Oversupply
11/30/2018 11:38	0:01	ESA	Data is not available	Data is not available	Oversupply
11/30/2018 11:38	0:01	ESB	Data is not available	Data is not available	Oversupply
11/30/2018 11:38	0:01	KS	Data is not available	Data is not available	Oversupply
Total Estimated Curtailed MWh			1006.288		

Notes:

- Curtailment for Kaheawa Wind Power ("KWP"), Makila Hydroelectric ("MH"), AAAAA Rent-A-Space Maui LTD ("5A"), Bioreal Solar, LLC ("BS"), Auwahi Wind Energy ("AWE"), Kaheawa Wind Power II ("KWP II") Bioreal Solar 250, LLC ("BS250"), Extra Spaces A ("ESA"), Extra Spaces B ("ESB"), South Maui Renewable Resources ("SMRR"), and Ku'ia Solar ("KS") may now be controlled by Maui Electric's Automatic Generation Control System ("AGC") or a Maui Electric operator-entered curtailment limit. The AGC curtailment control automatically calculates the amount of Maximum Allowable Variable Generation ("MAVG") that Maui Electric can accept into the Maui system, based on the system current available variable generation ("CAVG"), regulating reserve down requirement ("RRDR"), and available regulating reserve down ("ARRD"). Thus, the AGC MAVG - calculated is equal to CAVG less (RRDR less ARRD). Additionally, the AGC curtailment control allows the Maui Electric operator to enter an AGC MAVG value. The AGC curtailment control will employ the lesser of the AGC MAVG - calculated and AGC MAVG - entered values in the control logic.
- Curtailment signals sent to 5A, BS, BS250, ESA, ESB, SMRR, or KS during nighttime hours only are not recorded as curtailment events because no energy generation is possible during that time.
- The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECO companies metrics.
- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by 5A, BS, BS 250, ESA, ESB, KS, and MH.
- The ESA facility was offline until November 20, 2018 at approximately 11:00 AM. No curtailment events were recorded until to this date.
- The ESB facility was offline until November 20, 2018 at approximately 11:00 AM. No curtailment events were recorded until to this date.
- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information provided by AWE, KWP, KWP II, and SMRR. Maui Electric does not make any representation as to its accuracy.



Lanai Curtailment Report

November 2018

Start Date and Time	Duration	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
11/3/2018 7:33	1:42	LSR	Data is not available	Data is not available	OverSupply
11/3/2018 9:18	0:22	LSR	Data is not available	Data is not available	OverSupply
11/7/2018 9:53	0:11	LSR	Data is not available	Data is not available	OverSupply
11/12/2018 7:31	0:40	LSR	Data is not available	Data is not available	OverSupply
11/15/2018 13:03	0:18	LSR	Data is not available	Data is not available	OverSupply
11/28/2018 12:39	1:23	LSR	Data is not available	Data is not available	OverSupply
11/28/2018 16:24	1:05	LSR	Data is not available	Data is not available	OverSupply
11/29/2018 7:49	3:32	LSR	Data is not available	Data is not available	OverSupply
11/29/2018 13:37	0:43	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 7:36	0:01	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 7:41	0:05	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 8:44	0:09	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 9:07	0:01	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 9:13	0:44	LSR	Data is not available	Data is not available	OverSupply
11/30/2018 9:59	0:07	LSR	Data is not available	Data is not available	OverSupply

Notes:

On June 27, 2012, Maui Electric notified LSR that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, Maui Electric would conditionally allow LSR to LSR possible output data is not available. Therefore, Maui Electric assumes LSR is curtailed if the LSR curtailment set point is less than 1,200 kW and LSR's output is within 50 kW of the The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECO companies

Hawai'i Electric Light Company Curtailment Report November 2018

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released ¹	IPP	Reason for Curtailment
11/03/18 07:06	19.9 MW	11/03/18 08:00	19.4 MW	Pakini Nui Windfarm	System constraint
11/03/18 11:48	19.8 MW	11/03/18 12:39	19.5 MW	Pakini Nui Windfarm	System constraint
11/06/18 07:14	15.8 MW	11/06/18 08:33	17.2 MW	Pakini Nui Windfarm	System constraint
11/06/18 16:29	19.7 MW	11/06/18 17:48	19.3 MW	Pakini Nui Windfarm	System constraint
11/13/18 03:48	3.2 MW	11/13/18 17:49	1.5 MW	Hawi Renewable Dev	System constraint
11/20/18 20:11	18.7 MW	11/21/18 05:13	11.1 MW	Pakini Nui Windfarm	Facility requested
11/26/18 08:42	11.7 MW	11/26/18 09:43	11.9 MW	Pakini Nui Windfarm	System constraint
11/26/18 12:36	17.2 MW	11/26/18 14:43	17.9 MW	Pakini Nui Windfarm	System constraint

¹ The MW output values are taken soon after curtailment is released by Hawai'i Electric Light and may not reflect their full output depending on ramp rate for the facility. The wind farms generally return immediately to full available levels, whereas PGV and Wailuku may take longer to return to scheduled or full available output levels.

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