



June 25, 2018

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

PUBLIC UTILITIES
COMMISSION

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 May 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
Manager
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 May 31, 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 May 31, 2018):

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

Hawaiian Electric did not have any contingency reserve activations for the month of May. 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:

Hawaiian Electric, Hawai'i Electric Light, and Maui Electric did not have any under frequency load shed activations for the month of May. Therefore, Attachment 4 is not being provided for this reporting period.

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 did not have any demand response activations for system events for the month of May. 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. Therefore, Attachment 5 is not being provided for this reporting period.

- (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 May 31, 2018):

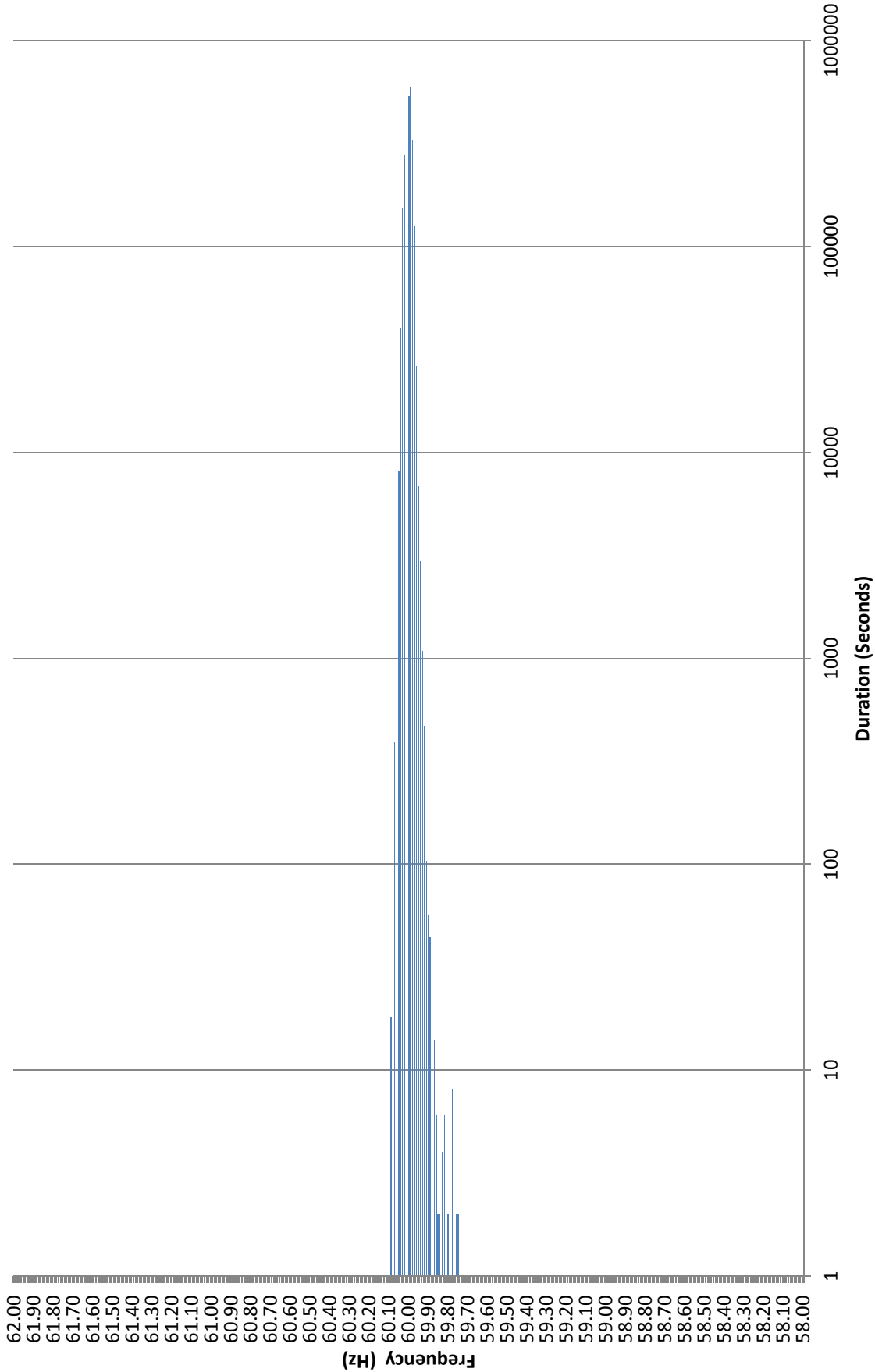
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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

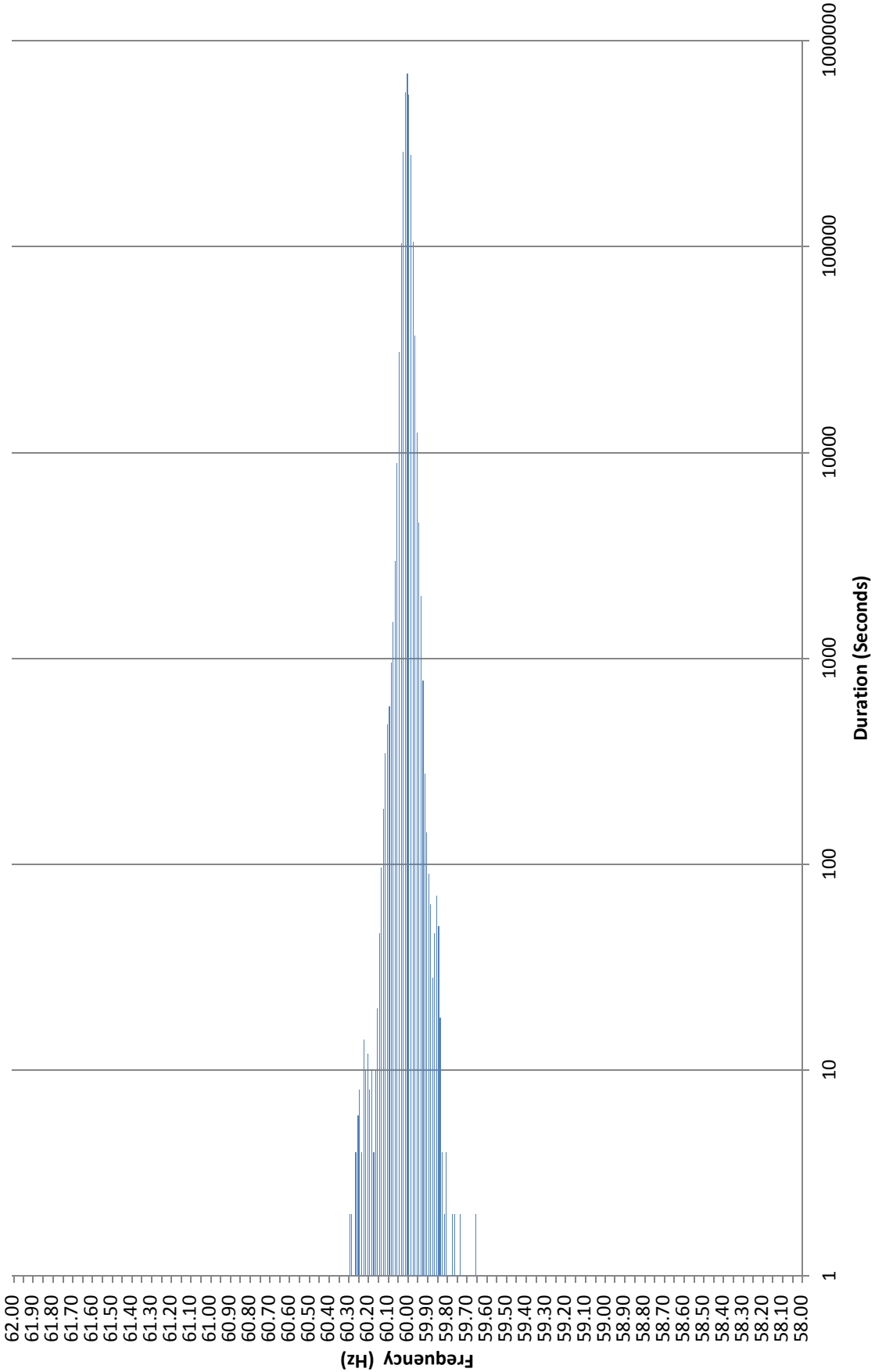
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

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.

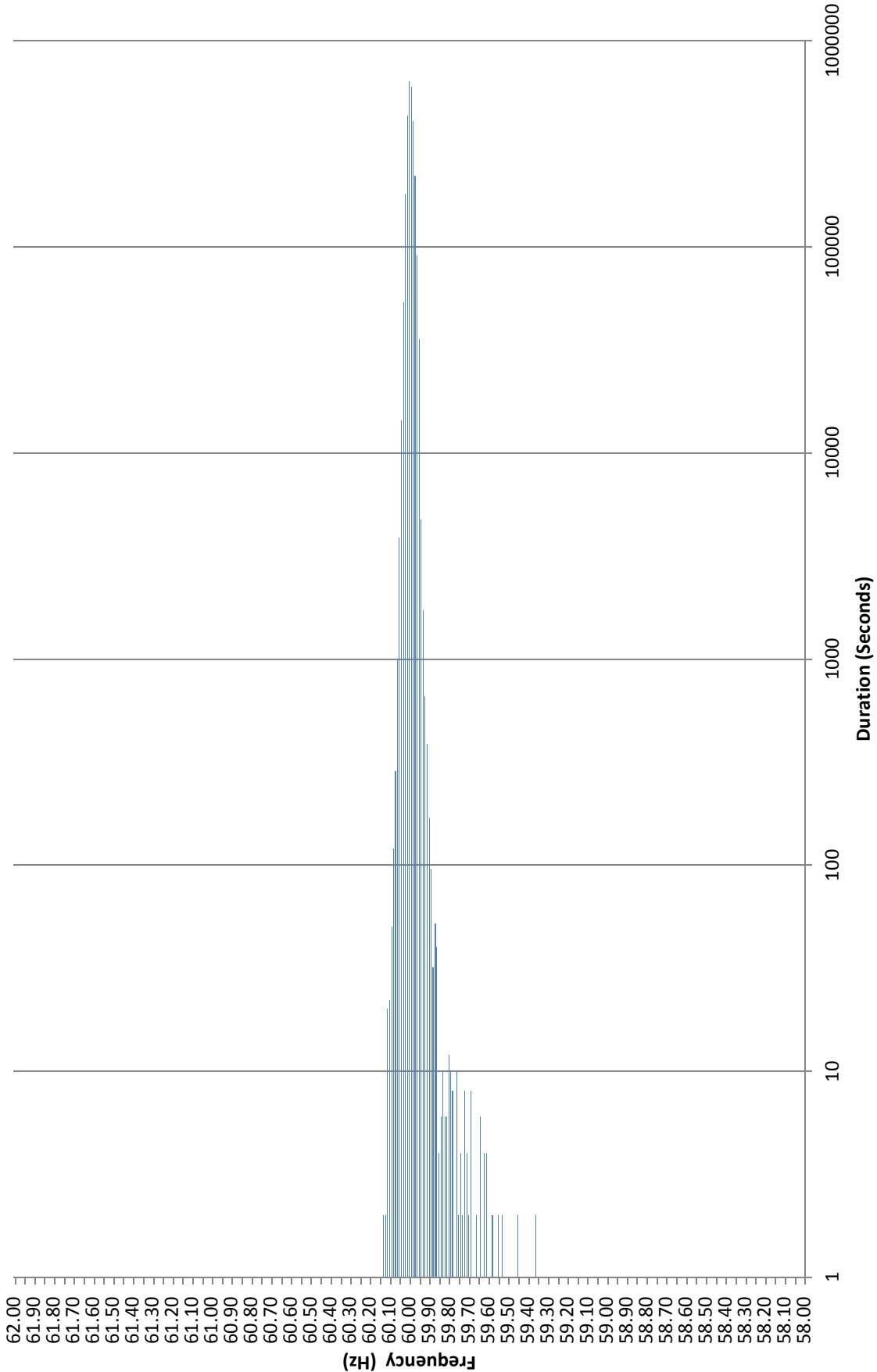
Frequency Distribution Plot - Hawaiian Electric May 2018



Frequency Distribution Plot - Maui Electric May 2018



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



Hawaiian Electric Frequency Excursion Statistics May 2018		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	683	612
Maximum Duration (sec)	190	156
Maximum Deviation (Hz)	59.753	60.094
Total Duration of Excursions (sec)	6934	4630

Maui Electric Frequency Excursion Statistics May 2018		
	<59.95 Hz	>60.05 Hz
Number of Excursions	2893	1686
Maximum Duration (sec)	494	794
Maximum Deviation (Hz)	59.653	60.291
Total Duration of Excursions (sec)	12884	10410

Hawai'i Electric Light Frequency Excursion Statistics May 2018		
	<59.95 Hz	>60.05 Hz
Number of Excursions	4658	642
Maximum Duration (sec)	156	64
Maximum Deviation (Hz)	59.364	60.126
Total Duration of Excursions (sec)	24124	2842

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Hawaiian Electric Curtailment Report May 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
05/08/18 17:28	0.0	3.00	05/09/18 07:56	0	*	KLS2	System Constraints
05/08/18 17:29	0.0	1.00	05/08/18 19:22	0	*	KREP	System Constraints
05/09/18 06:32	0.0	0.00	05/09/18 07:53	0	*	KREP	System Constraints
05/14/18 05:11	0.0	0.00	05/14/18 06:41	0	*	Waianae	System Constraints
05/14/18 05:12	0.0	0.00	05/14/18 06:40	0	*	Aloha	System Constraints
05/14/18 13:48	0.0	27.40	05/14/18 15:57	0	*	Waianae	System Constraints
05/14/18 13:50	0.0	4.20	05/14/18 15:56	0	*	Aloha	System Constraints
05/17/18 06:42	0.0	7.50	05/17/18 08:01	0	*	KWF	System Constraints
05/17/18 06:44	0.0	0.00	05/17/18 08:02	0	*	Makai	System Constraints
05/17/18 12:59	0.0	11.80	05/17/18 16:30	0	*	KWF	System Constraints
05/17/18 13:04	0.0	9.80	05/17/18 16:33	0	*	Makai	System Constraints
05/18/18 15:26	0.0	9.00	05/19/18 08:03	0	*	Makai	System Constraints
05/18/18 15:26	0.0	24.00	05/18/18 17:21	0	*	Mauka	System Constraints
05/18/18 15:30	0.0	22.00	05/19/18 08:09	0	*	KWF	System Constraints
05/19/18 00:32	0.0	2.20	05/19/18 00:54	0	*	Mauka	System Constraints
05/21/18 05:40	0.0	0.00	05/21/18 09:25	0	*	KREP	System Constraints
05/21/18 15:31	0.0	3.60	05/21/18 17:03	0	*	KREP	System Constraints
05/22/18 05:44	0.0	0.00	05/22/18 07:55	0	*	KREP	System Constraints
05/22/18 17:12	0.0	1.30	05/22/18 18:33	0	*	KREP	System Constraints
05/23/18 05:33	0.0	0.00	05/23/18 07:12	0	*	KREP	System Constraints
05/23/18 14:03	0.0	3.00	05/23/18 16:05	0	*	KREP	System Constraints
05/25/18 07:31	0.0	1.00	05/26/18 07:10	0	*	KREP	System Constraints
05/29/18 07:54	0.0	1.10	05/29/18 08:32	0	*	KREP	System Constraints
05/30/18 05:34	0.0	0.00	05/30/18 17:05	0	*	KREP	System Constraints
05/31/18 06:25	0.0	0.80	05/31/18 06:32	0	*	Waianae	System Constraints
05/31/18 06:38	0.0	0.20	05/31/18 16:36	0	*	North	System Constraints
05/31/18 06:38	0.0	0.10	05/31/18 16:36	0	*	South	System Constraints
05/31/18 09:24	0.0	1.60	05/31/18 09:54	0	*	KREP	System Constraints
05/31/18 11:01	0.0	3.70	05/31/18 11:42	0	*	KREP	System Constraints
05/31/18 13:32	0.0	26.50	05/31/18 14:33	0	*	Waianae	System Constraints
05/31/18 15:05	0.0	18.40	05/31/18 17:07	0	*	Mauka	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

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/1/2018 0:11	0:01	KWP/II	0.002	0.150	Oversupply
5/1/2018 11:20:00	0:06	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 11:20	0:07	KWP/II	0.180	8.715	Oversupply
5/1/2018 11:23	0:02	AWE	0.033	8.100	Oversupply
5/1/2018 11:41:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 11:42	0:08	KWP/II	0.363	8.325	Oversupply
5/1/2018 11:51:00	0:10	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 11:51	0:10	KWP/II	0.753	9.427	Oversupply
5/1/2018 11:54	0:04	AWE	0.057	15.000	Oversupply
5/1/2018 12:06:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:06	0:05	KWP/II	0.198	10.877	Oversupply
5/1/2018 12:08:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:12	0:03	KWP/II	0.095	11.053	Oversupply
5/1/2018 12:14:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:19:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:19	0:05	KWP/II	0.085	11.833	Oversupply
5/1/2018 12:26:00	0:21	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:27	0:20	KWP/II	0.677	11.900	Oversupply
5/1/2018 12:36	0:02	AWE	0.035	16.400	Oversupply
5/1/2018 12:50:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 12:50	0:24	KWP/II	1.644	10.415	Oversupply
5/1/2018 12:53:00	0:21	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 13:05	0:04	AWE	0.026	14.300	Oversupply
5/1/2018 13:42:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 13:43	0:01	KWP/II	0.013	2.465	Oversupply
5/1/2018 13:43	0:04	AWE	0.099	15.500	Oversupply
5/1/2018 13:46:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/1/2018 14:18	0:01	KWP/II	0.031	5.209	Oversupply
5/2/2018 10:00	0:30	AWE	1.065	15.700	Oversupply
5/2/2018 10:31:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/2/2018 10:31:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/2/2018 10:32	0:03	AWE	0.077	13.800	Oversupply
5/3/2018 14:48	0:07	KWP/II	0.262	10.604	Oversupply
5/3/2018 23:42	0:01	KWP/II	0.012	19.786	Oversupply
5/3/2018 23:45	0:04	KWP/II	0.055	19.822	Oversupply
5/3/2018 23:50	0:27	KWP/II	2.106	20.005	Oversupply
5/4/2018 0:18	0:50	KWP/II	2.748	20.549	Oversupply
5/4/2018 1:33	0:29	KWP/II	3.284	20.355	Oversupply
5/4/2018 2:08	0:03	KWP/II	0.033	19.262	Oversupply
5/4/2018 2:32	3:39	KWP/II	32.213	20.701	Oversupply
5/4/2018 5:44:00	0:26	BS250	Data is not available	Data is not available	Oversupply
5/4/2018 5:44:00	0:26	ESB	Data is not available	Data is not available	Oversupply
5/4/2018 6:18:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/4/2018 6:18:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/4/2018 6:18	0:02	KWP/II	0.017	18.530	Oversupply
5/4/2018 8:02:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/4/2018 8:02:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/4/2018 8:02	0:02	KWP/II	0.002	7.316	Oversupply
5/4/2018 13:37:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/4/2018 13:37:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/4/2018 13:37	0:03	KWP/II	0.026	8.256	Oversupply
5/4/2018 13:39	0:08	AWE	0.282	17.800	Oversupply
5/4/2018 13:41	0:16	KWP/II	0.344	9.639	Oversupply
5/4/2018 13:47:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/4/2018 13:47:00	0:04	ESB	Data is not available	Data is not available	Oversupply
5/5/2018 20:30:00	257:43	KWP/II	Data is not available	Data is not available	System constraint
5/6/2018 12:16:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/6/2018 12:46	0:01	AWE	0.002	0.900	Oversupply
5/6/2018 12:48:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/6/2018 12:49:00	0:01	5A	Data is not available	Data is not available	Oversupply
5/6/2018 12:49:00	0:01	BS	Data is not available	Data is not available	Oversupply
5/6/2018 12:49	0:06	AWE	0.021	0.500	Oversupply
5/6/2018 12:51:00	0:06	5A	Data is not available	Data is not available	Oversupply
5/6/2018 12:51:00	0:06	BS	Data is not available	Data is not available	Oversupply
5/6/2018 12:51:00	0:06	BS250	Data is not available	Data is not available	Oversupply
5/6/2018 12:51:00	0:06	MH	Data is not available	Data is not available	Oversupply
5/6/2018 12:56	0:01	AWE	0.001	0.100	Oversupply
5/6/2018 18:00	19:36	KWP	Data is not available	Data is not available	System constraint
5/7/2018 10:18	0:00	SMRR	0.012	1.018	Oversupply
5/7/2018 10:19	0:00	SMRR	0.021	1.178	Oversupply
5/7/2018 10:20	0:00	SMRR	0.014	1.071	Oversupply
5/7/2018 10:20	0:00	SMRR	0.010	1.388	Oversupply
5/7/2018 10:21	0:00	SMRR	0.015	1.203	Oversupply
5/7/2018 10:22	0:00	SMRR	0.011	1.409	Oversupply
5/7/2018 10:23	0:00	SMRR	0.013	1.368	Oversupply
5/7/2018 10:23	0:00	SMRR	0.008	1.976	Oversupply
5/7/2018 10:38	0:00	SMRR	0.009	2.015	Oversupply
5/7/2018 10:39	0:00	SMRR	0.019	1.381	Oversupply
5/7/2018 10:39	0:00	SMRR	0.010	2.075	Oversupply
5/7/2018 10:40	0:00	SMRR	0.002	2.676	Oversupply
5/7/2018 10:41	0:00	SMRR	0.015	1.657	Oversupply
5/7/2018 10:43	0:00	SMRR	0.002	1.809	Oversupply
5/7/2018 10:44	0:16	SMRR	0.722	0.400	Oversupply
5/7/2018 10:45:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 10:45:00	0:08	ESB	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/7/2018 10:46	0:08	AWE	0.308	9.700	Oversupply
5/7/2018 10:54:00	0:07	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 10:54:00	0:07	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 10:55	0:06	AWE	0.128	5.900	Oversupply
5/7/2018 11:01	0:00	SMRR	0.032	0.325	Oversupply
5/7/2018 11:02:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 11:02:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 11:02	0:03	AWE	0.024	5.900	Oversupply
5/7/2018 11:02	0:02	SMRR	0.090	0.052	Oversupply
5/7/2018 11:04	0:01	SMRR	0.030	0.382	Oversupply
5/7/2018 11:05	0:00	SMRR	0.016	0.152	Oversupply
5/7/2018 11:06	0:01	AWE	0.001	6.300	Oversupply
5/7/2018 11:06	0:00	SMRR	0.015	0.151	Oversupply
5/7/2018 11:07:00	0:29	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 11:07:00	0:29	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 11:07	0:29	SMRR	0.970	0.193	Oversupply
5/7/2018 11:08	0:26	AWE	1.267	17.600	Oversupply
5/7/2018 11:35	0:03	AWE	0.028	9.300	Oversupply
5/7/2018 11:36	0:00	SMRR	0.033	0.089	Oversupply
5/7/2018 11:37:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 11:37:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 11:37	0:00	SMRR	0.030	0.243	Oversupply
5/7/2018 11:38	0:00	SMRR	0.030	0.151	Oversupply
5/7/2018 11:38	0:00	SMRR	0.008	0.907	Oversupply
5/7/2018 11:39	0:00	SMRR	0.008	1.171	Oversupply
5/7/2018 11:40	0:00	SMRR	0.015	1.138	Oversupply
5/7/2018 11:41	0:00	SMRR	0.016	1.076	Oversupply
5/7/2018 11:41	0:00	SMRR	0.015	1.070	Oversupply
5/7/2018 11:42	0:00	SMRR	0.015	1.205	Oversupply
5/7/2018 11:43	0:00	SMRR	0.006	2.088	Oversupply
5/7/2018 11:44	0:00	SMRR	0.009	1.964	Oversupply
5/7/2018 11:45	0:00	SMRR	0.001	2.274	Oversupply
5/7/2018 11:46	0:00	SMRR	0.001	2.333	Oversupply
5/7/2018 11:54	0:00	SMRR	0.009	1.725	Oversupply
5/7/2018 11:55	0:00	SMRR	0.006	2.145	Oversupply
5/7/2018 11:56	0:00	SMRR	0.006	2.124	Oversupply
5/7/2018 12:08	0:00	SMRR	0.007	1.125	Oversupply
5/7/2018 12:09	0:00	SMRR	0.011	0.915	Oversupply
5/7/2018 12:10	0:00	SMRR	0.016	0.402	Oversupply
5/7/2018 12:10	0:09	SMRR	0.239	0.132	Oversupply
5/7/2018 12:11:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 12:11:00	0:09	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 12:12	0:09	AWE	0.187	20.700	Oversupply
5/7/2018 12:20	0:00	SMRR	0.022	0.202	Oversupply
5/7/2018 12:20	0:00	SMRR	0.025	0.359	Oversupply
5/7/2018 12:21	0:00	SMRR	0.026	0.579	Oversupply
5/7/2018 12:22	0:00	SMRR	0.019	0.916	Oversupply
5/7/2018 12:23	0:00	SMRR	0.025	0.559	Oversupply
5/7/2018 12:24	0:00	SMRR	0.024	0.420	Oversupply
5/7/2018 12:24	0:01	SMRR	0.057	0.142	Oversupply
5/7/2018 12:25:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 12:25:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 12:25	0:01	AWE	0.002	17.100	Oversupply
5/7/2018 12:26	0:00	SMRR	0.027	0.348	Oversupply
5/7/2018 12:27:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 12:27:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 12:27	0:02	AWE	0.010	18.500	Oversupply
5/7/2018 12:27	0:00	SMRR	0.030	0.133	Oversupply
5/7/2018 12:27	0:00	SMRR	0.028	0.296	Oversupply
5/7/2018 12:28	0:00	SMRR	0.029	0.212	Oversupply
5/7/2018 12:29	0:00	SMRR	0.025	0.550	Oversupply
5/7/2018 12:30	0:00	SMRR	0.019	1.016	Oversupply
5/7/2018 12:30	0:00	SMRR	0.008	1.897	Oversupply
5/7/2018 12:32	0:00	SMRR	0.002	2.303	Oversupply
5/7/2018 13:01	0:00	SMRR	0.004	1.795	Oversupply
5/7/2018 13:02	0:00	SMRR	0.013	1.031	Oversupply
5/7/2018 13:03	0:00	SMRR	0.018	0.637	Oversupply
5/7/2018 13:03	0:00	SMRR	0.016	0.793	Oversupply
5/7/2018 13:04	0:00	SMRR	0.022	0.356	Oversupply
5/7/2018 13:05	0:00	SMRR	0.019	0.655	Oversupply
5/7/2018 13:06	0:00	SMRR	0.009	1.374	Oversupply
5/7/2018 13:06	0:00	SMRR	0.006	1.680	Oversupply
5/7/2018 13:07	0:00	SMRR	0.008	1.590	Oversupply
5/7/2018 13:08	0:00	SMRR	0.014	1.091	Oversupply
5/7/2018 13:09	0:00	SMRR	0.023	0.343	Oversupply
5/7/2018 13:09	0:00	SMRR	0.022	0.468	Oversupply
5/7/2018 13:10	0:00	SMRR	0.013	1.192	Oversupply
5/7/2018 13:11	0:02	SMRR	0.019	1.634	Oversupply
5/7/2018 13:14	0:00	SMRR	0.004	1.795	Oversupply
5/7/2018 13:16:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 13:16:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 13:17	0:02	AWE	0.020	14.700	Oversupply
5/7/2018 13:19	0:00	SMRR	0.008	1.542	Oversupply
5/7/2018 13:19	0:00	SMRR	0.005	1.766	Oversupply
5/7/2018 13:20	0:00	SMRR	0.009	1.405	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/7/2018 13:21	0:00	SMRR	0.020	0.648	Oversupply
5/7/2018 13:22	0:00	SMRR	0.022	0.469	Oversupply
5/7/2018 13:23	0:00	SMRR	0.019	0.602	Oversupply
5/7/2018 13:23	0:00	SMRR	0.021	0.530	Oversupply
5/7/2018 13:24	0:00	SMRR	0.019	0.551	Oversupply
5/7/2018 13:25	0:00	SMRR	0.015	0.957	Oversupply
5/7/2018 13:26	0:00	SMRR	0.005	1.787	Oversupply
5/7/2018 13:26	0:00	SMRR	0.001	2.037	Oversupply
5/7/2018 13:46	0:00	SMRR	0.000	1.845	Oversupply
5/7/2018 13:46	0:00	SMRR	0.004	1.508	Oversupply
5/7/2018 13:47	0:00	SMRR	0.017	0.521	Oversupply
5/7/2018 13:48	0:00	SMRR	0.016	0.580	Oversupply
5/7/2018 13:49	0:00	SMRR	0.020	0.164	Oversupply
5/7/2018 13:49	0:03	SMRR	0.078	0.062	Oversupply
5/7/2018 13:50:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 13:50:00	0:04	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 13:50	0:05	AWE	0.096	18.200	Oversupply
5/7/2018 13:52	0:01	SMRR	0.043	0.104	Oversupply
5/7/2018 13:54	0:00	SMRR	0.020	0.214	Oversupply
5/7/2018 13:55:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 13:55:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 13:55	0:00	SMRR	0.014	0.764	Oversupply
5/7/2018 13:55	0:00	SMRR	0.021	0.094	Oversupply
5/7/2018 13:56	0:01	AWE	0.005	17.800	Oversupply
5/7/2018 13:56	0:00	SMRR	0.021	0.090	Oversupply
5/7/2018 13:57	0:00	SMRR	0.019	0.277	Oversupply
5/7/2018 13:58:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 13:58:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 13:58	0:00	SMRR	0.022	0.102	Oversupply
5/7/2018 13:59	0:04	AWE	0.037	18.600	Oversupply
5/7/2018 13:59	0:01	SMRR	0.036	0.354	Oversupply
5/7/2018 14:00	0:00	SMRR	0.020	0.207	Oversupply
5/7/2018 14:01	0:01	SMRR	0.036	0.223	Oversupply
5/7/2018 14:02	0:00	SMRR	0.012	0.567	Oversupply
5/7/2018 14:03	0:00	SMRR	0.003	1.213	Oversupply
5/7/2018 14:04	0:00	SMRR	0.002	1.245	Oversupply
5/7/2018 14:05	0:00	SMRR	0.010	0.563	Oversupply
5/7/2018 14:06	0:00	SMRR	0.007	0.817	Oversupply
5/7/2018 14:07	0:00	SMRR	0.015	0.192	Oversupply
5/7/2018 14:08	0:01	AWE	0.008	19.700	Oversupply
5/7/2018 14:08	0:00	SMRR	0.017	0.046	Oversupply
5/7/2018 14:08	0:00	SMRR	0.006	0.907	Oversupply
5/7/2018 14:09	0:00	SMRR	0.007	0.814	Oversupply
5/7/2018 14:18	0:01	KWP	0.003	4.595	Oversupply
5/7/2018 14:37	0:21	KWP	1.469	25.175	Oversupply
5/7/2018 15:00:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:00:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:00	0:00	SMRR	0.021	0.258	Oversupply
5/7/2018 15:01	0:02	AWE	0.039	9.800	Oversupply
5/7/2018 15:01	0:02	SMRR	0.059	0.151	Oversupply
5/7/2018 15:03	0:01	SMRR	0.031	0.061	Oversupply
5/7/2018 15:04	0:01	AWE	0.001	6.200	Oversupply
5/7/2018 15:04	0:00	SMRR	0.012	0.308	Oversupply
5/7/2018 15:05	0:02	SMRR	0.041	0.183	Oversupply
5/7/2018 15:06:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:06:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:06	0:02	AWE	0.023	5.800	Oversupply
5/7/2018 15:08	0:00	SMRR	0.009	0.448	Oversupply
5/7/2018 15:08	0:00	SMRR	0.003	0.894	Oversupply
5/7/2018 15:11:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:11:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:11	0:00	SMRR	0.003	0.891	Oversupply
5/7/2018 15:11	0:00	SMRR	0.004	0.749	Oversupply
5/7/2018 15:12	0:00	SMRR	0.010	0.292	Oversupply
5/7/2018 15:13:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:13:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:13	0:00	SMRR	0.010	0.287	Oversupply
5/7/2018 15:14	0:00	SMRR	0.010	0.263	Oversupply
5/7/2018 15:24	0:00	SMRR	0.004	0.716	Oversupply
5/7/2018 15:25	0:02	SMRR	0.015	0.655	Oversupply
5/7/2018 15:26:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:26:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:26	0:02	AWE	0.032	6.400	Oversupply
5/7/2018 15:27	0:01	SMRR	0.021	0.500	Oversupply
5/7/2018 15:28:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:28:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:29	0:01	SMRR	0.025	0.093	Oversupply
5/7/2018 15:30	0:01	AWE	0.013	7.000	Oversupply
5/7/2018 15:31	0:00	SMRR	0.003	0.799	Oversupply
5/7/2018 15:31	0:00	SMRR	0.008	0.398	Oversupply
5/7/2018 15:37	0:00	SMRR	0.007	0.507	Oversupply
5/7/2018 15:37	0:00	SMRR	0.006	0.571	Oversupply
5/7/2018 15:38	0:00	SMRR	0.007	0.533	Oversupply
5/7/2018 15:39:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:39:00	0:05	ESB	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/7/2018 15:39	0:04	SMRR	0.074	0.226	Oversupply
5/7/2018 15:40	0:05	AWE	0.082	6.200	Oversupply
5/7/2018 15:44	0:00	SMRR	0.014	0.119	Oversupply
5/7/2018 15:44	0:00	SMRR	0.012	0.349	Oversupply
5/7/2018 15:45:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/7/2018 15:45:00	0:09	ESB	Data is not available	Data is not available	Oversupply
5/7/2018 15:45	0:03	SMRR	0.044	0.594	Oversupply
5/7/2018 15:46	0:03	AWE	0.048	6.300	Oversupply
5/7/2018 15:48	0:00	SMRR	0.017	0.134	Oversupply
5/7/2018 15:49	0:00	SMRR	0.016	0.263	Oversupply
5/7/2018 15:50	0:02	SMRR	0.042	0.370	Oversupply
5/7/2018 15:51	0:01	AWE	0.017	5.000	Oversupply
5/7/2018 15:52	0:02	SMRR	0.031	0.363	Oversupply
5/7/2018 15:53	0:02	AWE	0.016	5.800	Oversupply
5/7/2018 15:54	0:00	SMRR	0.013	0.181	Oversupply
5/7/2018 15:55	0:00	SMRR	0.007	0.680	Oversupply
5/7/2018 15:56	0:01	AWE	0.003	7.000	Oversupply
5/7/2018 15:56	0:00	SMRR	0.013	0.185	Oversupply
5/7/2018 16:01	0:00	SMRR	0.010	0.157	Oversupply
5/8/2018 10:20	0:13	SMRR	0.347	0.013	Oversupply
5/8/2018 10:21:00	0:13	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 10:21:00	0:13	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 10:22	0:13	AWE	0.480	9.400	Oversupply
5/8/2018 10:36	0:00	SMRR	0.006	0.656	Oversupply
5/8/2018 10:37:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 10:37:00	0:04	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 10:37	0:00	SMRR	0.013	0.112	Oversupply
5/8/2018 10:37	0:04	AWE	0.057	12.800	Oversupply
5/8/2018 10:37	0:03	SMRR	0.055	0.046	Oversupply
5/8/2018 10:40	0:00	SMRR	0.010	0.293	Oversupply
5/8/2018 11:14	0:00	SMRR	0.002	0.859	Oversupply
5/8/2018 11:15	0:00	SMRR	0.010	0.207	Oversupply
5/8/2018 11:16:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 11:16:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 11:16	0:03	AWE	0.039	17.200	Oversupply
5/8/2018 11:16	0:02	SMRR	0.030	0.177	Oversupply
5/8/2018 11:19	0:00	SMRR	0.001	0.870	Oversupply
5/8/2018 11:19	0:00	SMRR	0.008	0.288	Oversupply
5/8/2018 11:20	0:00	SMRR	0.011	0.038	Oversupply
5/8/2018 11:21	0:01	AWE	0.003	16.300	Oversupply
5/8/2018 11:22	0:00	SMRR	0.002	0.712	Oversupply
5/8/2018 11:22	0:09	SMRR	0.112	0.183	Oversupply
5/8/2018 11:23:00	0:12	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 11:23:00	0:12	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 11:24	0:12	AWE	0.234	20.400	Oversupply
5/8/2018 11:32	0:02	SMRR	0.026	0.066	Oversupply
5/8/2018 11:37	0:00	SMRR	0.006	0.246	Oversupply
5/8/2018 11:38	0:00	SMRR	0.007	0.215	Oversupply
5/8/2018 11:38	0:00	SMRR	0.006	0.306	Oversupply
5/8/2018 11:39:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 11:39:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 11:39	0:00	SMRR	0.009	0.055	Oversupply
5/8/2018 11:40	0:00	SMRR	0.002	0.625	Oversupply
5/8/2018 11:42	0:00	SMRR	0.005	0.349	Oversupply
5/8/2018 11:42	0:00	SMRR	0.004	0.418	Oversupply
5/8/2018 11:43:00	0:12	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 11:43:00	0:12	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 11:43	0:00	SMRR	0.009	0.032	Oversupply
5/8/2018 11:44	0:12	AWE	0.160	21.000	Oversupply
5/8/2018 11:44	0:01	SMRR	0.015	0.291	Oversupply
5/8/2018 11:45	0:08	SMRR	0.053	0.460	Oversupply
5/8/2018 11:54	0:00	SMRR	0.010	0.097	Oversupply
5/8/2018 11:55	0:00	SMRR	0.011	0.064	Oversupply
5/8/2018 11:55	0:00	SMRR	0.006	0.465	Oversupply
5/8/2018 11:56	0:00	SMRR	0.003	0.705	Oversupply
5/8/2018 11:57	0:00	SMRR	0.001	0.874	Oversupply
5/8/2018 11:58	0:00	SMRR	0.004	0.698	Oversupply
5/8/2018 12:01	0:04	SMRR	0.066	0.102	Oversupply
5/8/2018 12:02:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 12:02:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 12:02	0:05	AWE	0.058	18.300	Oversupply
5/8/2018 12:06	0:00	SMRR	0.007	0.492	Oversupply
5/8/2018 12:07	0:00	SMRR	0.003	0.789	Oversupply
5/8/2018 12:08	0:00	SMRR	0.004	0.735	Oversupply
5/8/2018 12:09	0:00	SMRR	0.008	0.455	Oversupply
5/8/2018 12:10	0:01	AWE	0.002	14.700	Oversupply
5/8/2018 12:10	0:00	SMRR	0.010	0.374	Oversupply
5/8/2018 12:11	0:00	SMRR	0.014	0.037	Oversupply
5/8/2018 12:11	0:03	SMRR	0.084	0.107	Oversupply
5/8/2018 12:12:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 12:12:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 12:12	0:18	AWE	1.210	19.500	Oversupply
5/8/2018 12:31	0:06	AWE	0.338	5.900	Oversupply
5/8/2018 12:40	0:00	SMRR	0.007	0.944	Oversupply
5/8/2018 12:40	0:00	SMRR	0.011	0.666	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/8/2018 12:41	0:00	SMRR	0.006	1.071	Oversupply
5/8/2018 13:12	0:00	SMRR	0.002	1.298	Oversupply
5/8/2018 13:13:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 13:13:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 13:13	0:00	SMRR	0.010	0.710	Oversupply
5/8/2018 13:13	0:02	SMRR	0.041	0.463	Oversupply
5/8/2018 13:14	0:03	AWE	0.033	11.700	Oversupply
5/8/2018 13:16	0:00	SMRR	0.014	0.486	Oversupply
5/8/2018 13:16	0:00	SMRR	0.018	0.219	Oversupply
5/8/2018 13:17	0:03	SMRR	0.098	0.239	Oversupply
5/8/2018 13:18:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 13:18:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 13:18	0:06	AWE	0.187	16.500	Oversupply
5/8/2018 13:21	0:00	SMRR	0.012	0.705	Oversupply
5/8/2018 13:22	0:00	SMRR	0.016	0.326	Oversupply
5/8/2018 13:23	0:00	SMRR	0.019	0.054	Oversupply
5/8/2018 13:23	0:00	SMRR	0.015	0.351	Oversupply
5/8/2018 13:24	0:00	SMRR	0.001	1.355	Oversupply
5/8/2018 13:25	0:00	SMRR	0.012	0.479	Oversupply
5/8/2018 13:26:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 13:26:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 13:26	0:01	AWE	0.006	13.400	Oversupply
5/8/2018 13:26	0:05	SMRR	0.124	0.037	Oversupply
5/8/2018 13:30	0:02	AWE	0.004	11.000	Oversupply
5/8/2018 13:48	0:01	AWE	0.003	0.200	Oversupply
5/8/2018 13:54:00	0:34	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 13:54:00	0:34	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 13:54	0:33	SMRR	1.203	0.134	Oversupply
5/8/2018 13:56	0:32	AWE	0.519	2.400	Oversupply
5/8/2018 13:57:00	0:03	5A	Data is not available	Data is not available	Oversupply
5/8/2018 13:57:00	0:03	BS	Data is not available	Data is not available	Oversupply
5/8/2018 13:57:00	0:03	MH	Data is not available	Data is not available	Oversupply
5/8/2018 14:00	0:01	KWP	0.002	25.968	Oversupply
5/8/2018 14:01:00	0:25	5A	Data is not available	Data is not available	Oversupply
5/8/2018 14:01:00	0:25	BS	Data is not available	Data is not available	Oversupply
5/8/2018 14:02	0:01	KWP	0.016	26.206	Oversupply
5/8/2018 14:04	0:06	KWP	0.272	25.961	Oversupply
5/8/2018 14:11	0:02	KWP	0.120	24.738	Oversupply
5/8/2018 14:14	0:01	KWP	0.003	22.915	Oversupply
5/8/2018 14:19	0:05	KWP	0.146	25.198	Oversupply
5/8/2018 14:25	0:01	KWP	0.042	24.746	Oversupply
5/8/2018 14:28	0:00	SMRR	0.011	0.144	Oversupply
5/8/2018 14:28	0:00	SMRR	0.008	0.380	Oversupply
5/8/2018 14:29	0:00	SMRR	0.008	0.350	Oversupply
5/8/2018 14:30	0:01	AWE	0.002	2.200	Oversupply
5/8/2018 14:30	0:00	SMRR	0.008	0.331	Oversupply
5/8/2018 14:31:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 14:31:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 14:31	0:00	SMRR	0.010	0.169	Oversupply
5/8/2018 14:31	0:00	SMRR	0.010	0.165	Oversupply
5/8/2018 15:03:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 15:03:00	0:03	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 15:03	0:03	SMRR	0.043	0.487	Oversupply
5/8/2018 15:04	0:05	AWE	0.088	19.400	Oversupply
5/8/2018 15:07:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/8/2018 15:07:00	0:04	ESB	Data is not available	Data is not available	Oversupply
5/8/2018 15:07	0:02	SMRR	0.023	0.147	Oversupply
5/8/2018 15:10	0:00	SMRR	0.006	0.294	Oversupply
5/8/2018 15:10	0:00	SMRR	0.008	0.166	Oversupply
5/8/2018 15:13	0:00	SMRR	0.002	0.570	Oversupply
5/8/2018 15:13	0:00	SMRR	0.007	0.251	Oversupply
5/8/2018 23:15	0:01	AWE	0.001	9.600	Oversupply
5/8/2018 23:39	0:05	AWE	0.251	13.800	Oversupply
5/8/2018 23:45	0:13	AWE	1.055	21.000	Oversupply
5/9/2018 0:45	0:02	AWE	0.007	14.500	Oversupply
5/9/2018 1:32	0:11	AWE	0.243	16.600	Oversupply
5/9/2018 1:44	0:02	AWE	0.034	14.200	Oversupply
5/9/2018 1:49	0:02	AWE	0.012	13.000	Oversupply
5/9/2018 1:54	0:08	AWE	0.107	15.800	Oversupply
5/9/2018 2:09	0:01	AWE	0.002	12.300	Oversupply
5/9/2018 2:21	0:01	AWE	0.013	11.800	Oversupply
5/9/2018 2:24	0:06	AWE	0.055	11.800	Oversupply
5/9/2018 2:40	0:30	AWE	1.684	17.000	Oversupply
5/9/2018 3:11	0:04	AWE	0.060	10.100	Oversupply
5/9/2018 3:16	0:04	AWE	0.030	10.000	Oversupply
5/9/2018 3:21	1:05	AWE	3.566	19.000	Oversupply
5/9/2018 4:27	0:17	AWE	0.826	19.400	Oversupply
5/9/2018 4:45	0:03	AWE	0.013	17.000	Oversupply
5/9/2018 6:17:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 6:17:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 6:17	0:01	AWE	0.001	21.000	Oversupply
5/9/2018 6:23:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 6:23:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 6:48	0:00	SMRR	0.001	0.311	Oversupply
5/9/2018 6:49	0:01	AWE	0.001	19.600	Oversupply



Maui Curtailment Report

May 2018

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/9/2018 6:58:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 6:58:00	0:04	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 6:58	0:04	AWE	0.032	20.600	Oversupply
5/9/2018 6:58	0:02	SMRR	0.014	0.043	Oversupply
5/9/2018 7:00	0:01	SMRR	0.009	0.145	Oversupply
5/9/2018 7:03	0:01	SMRR	0.011	0.074	Oversupply
5/9/2018 7:04:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 7:04:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 7:05	0:01	AWE	0.000	21.000	Oversupply
5/9/2018 7:36	0:00	SMRR	0.004	0.589	Oversupply
5/9/2018 7:37	0:16	SMRR	0.201	0.226	Oversupply
5/9/2018 7:38:00	0:16	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 7:38:00	0:16	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 7:38	0:17	AWE	0.668	21.000	Oversupply
5/9/2018 7:54	0:00	SMRR	0.007	0.588	Oversupply
5/9/2018 7:55	0:00	SMRR	0.012	0.235	Oversupply
5/9/2018 7:55	0:00	SMRR	0.007	0.633	Oversupply
5/9/2018 7:56	0:00	SMRR	0.006	0.767	Oversupply
5/9/2018 7:57	0:00	SMRR	0.001	1.157	Oversupply
5/9/2018 7:58:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 7:58:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 7:58	0:00	SMRR	0.013	0.184	Oversupply
5/9/2018 7:58	0:00	SMRR	0.011	0.332	Oversupply
5/9/2018 7:59	0:00	SMRR	0.012	0.274	Oversupply
5/9/2018 8:59	0:00	SMRR	0.009	1.243	Oversupply
5/9/2018 9:00	0:00	SMRR	0.011	1.078	Oversupply
5/9/2018 9:37	0:00	SMRR	0.007	1.675	Oversupply
5/9/2018 9:47	0:00	SMRR	0.020	0.787	Oversupply
5/9/2018 9:48	0:00	SMRR	0.030	0.022	Oversupply
5/9/2018 9:48	0:01	SMRR	0.059	0.034	Oversupply
5/9/2018 9:49:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 9:49:00	0:02	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 9:49	0:02	AWE	0.046	21.000	Oversupply
5/9/2018 9:50	0:00	SMRR	0.030	0.062	Oversupply
5/9/2018 9:51	0:00	SMRR	0.012	1.434	Oversupply
5/9/2018 9:52	0:00	SMRR	0.017	1.059	Oversupply
5/9/2018 9:54	0:00	SMRR	0.008	1.780	Oversupply
5/9/2018 9:55	0:00	SMRR	0.008	1.806	Oversupply
5/9/2018 9:55	0:45	SMRR	1.731	0.453	Oversupply
5/9/2018 9:56:00	0:45	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 9:56:00	0:45	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 9:56:00	0:45	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 9:56	0:45	AWE	2.318	21.000	Oversupply
5/9/2018 10:40	0:00	SMRR	0.022	1.036	Oversupply
5/9/2018 10:41	0:00	SMRR	0.015	1.648	Oversupply
5/9/2018 10:42	0:00	SMRR	0.017	1.454	Oversupply
5/9/2018 10:43	0:00	SMRR	0.002	2.596	Oversupply
5/9/2018 10:44	0:00	SMRR	0.016	1.564	Oversupply
5/9/2018 10:44	0:00	SMRR	0.024	0.829	Oversupply
5/9/2018 10:45	0:00	SMRR	0.034	0.032	Oversupply
5/9/2018 10:46	0:00	SMRR	0.025	0.796	Oversupply
5/9/2018 10:47	0:00	SMRR	0.024	0.890	Oversupply
5/9/2018 10:47	0:00	SMRR	0.033	0.154	Oversupply
5/9/2018 10:48:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 10:48:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 10:48:00	0:09	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 10:48	0:07	SMRR	0.324	0.258	Oversupply
5/9/2018 10:49	0:09	AWE	0.157	21.000	Oversupply
5/9/2018 10:56	0:00	SMRR	0.032	0.299	Oversupply
5/9/2018 10:57	0:00	SMRR	0.037	0.022	Oversupply
5/9/2018 10:57	0:00	SMRR	0.026	0.835	Oversupply
5/9/2018 10:58	0:00	SMRR	0.029	0.626	Oversupply
5/9/2018 10:59	0:00	SMRR	0.029	0.552	Oversupply
5/9/2018 11:00	0:00	SMRR	0.025	0.932	Oversupply
5/9/2018 11:00	0:00	SMRR	0.035	0.143	Oversupply
5/9/2018 11:01:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 11:01:00	0:05	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 11:01:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 11:01	0:00	SMRR	0.033	0.264	Oversupply
5/9/2018 11:02	0:00	SMRR	0.036	0.059	Oversupply
5/9/2018 11:03	0:00	SMRR	0.036	0.063	Oversupply
5/9/2018 11:03	0:00	SMRR	0.033	0.321	Oversupply
5/9/2018 11:04	0:01	AWE	0.001	20.600	Oversupply
5/9/2018 11:04	0:00	SMRR	0.033	0.295	Oversupply
5/9/2018 11:05	0:00	SMRR	0.031	0.383	Oversupply
5/9/2018 11:06	0:00	SMRR	0.031	0.448	Oversupply
5/9/2018 11:07:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 11:07:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 11:07:00	0:01	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 11:07	0:00	SMRR	0.029	0.544	Oversupply
5/9/2018 11:07	0:00	SMRR	0.035	0.095	Oversupply
5/9/2018 11:08	0:01	AWE	0.001	20.500	Oversupply
5/9/2018 11:35:00	1:06	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 11:35:00	1:06	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 11:35:00	1:06	ESB	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/9/2018 11:35	1:05	SMRR	2.643	0.316	Oversupply
5/9/2018 11:36	1:05	AWE	4.662	21.000	Oversupply
5/9/2018 12:40	0:00	SMRR	0.034	0.186	Oversupply
5/9/2018 12:41	0:00	SMRR	0.006	2.383	Oversupply
5/9/2018 12:41	0:00	SMRR	0.030	0.546	Oversupply
5/9/2018 12:42:00	1:20	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 12:42:00	1:20	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 12:42:00	1:20	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 12:42	0:07	SMRR	0.306	0.463	Oversupply
5/9/2018 12:43	1:20	AWE	3.975	21.000	Oversupply
5/9/2018 12:50	1:11	SMRR	3.300	0.078	Oversupply
5/9/2018 14:02	0:00	SMRR	0.035	0.027	Oversupply
5/9/2018 14:03	0:00	SMRR	0.004	2.443	Oversupply
5/9/2018 14:03	0:00	SMRR	0.019	1.223	Oversupply
5/9/2018 14:04	0:00	SMRR	0.025	0.808	Oversupply
5/9/2018 14:05	0:00	SMRR	0.033	0.172	Oversupply
5/9/2018 14:06:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/9/2018 14:06:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/9/2018 14:06:00	0:09	ESB	Data is not available	Data is not available	Oversupply
5/9/2018 14:06	0:10	AWE	0.214	21.000	Oversupply
5/9/2018 14:06	0:09	SMRR	0.412	0.023	Oversupply
5/9/2018 14:15	0:00	SMRR	0.030	0.359	Oversupply
5/9/2018 14:19	0:00	SMRR	0.009	1.953	Oversupply
5/9/2018 14:19	0:00	SMRR	0.007	2.071	Oversupply
5/9/2018 14:22	0:00	SMRR	0.005	2.201	Oversupply
5/9/2018 14:22	0:00	SMRR	0.004	2.291	Oversupply
5/9/2018 14:23	0:00	SMRR	0.009	1.856	Oversupply
5/10/2018 0:37	0:01	AWE	0.004	13.900	Oversupply
5/10/2018 0:42	0:22	AWE	0.882	20.800	Oversupply
5/10/2018 8:15:00	1:30	BS250	Data is not available	Data is not available	Oversupply
5/10/2018 8:15:00	1:30	ESA	Data is not available	Data is not available	Oversupply
5/10/2018 8:15:00	1:30	ESB	Data is not available	Data is not available	Oversupply
5/10/2018 8:15	1:09	SMRR	1.699	0.069	Oversupply
5/10/2018 8:16	1:29	AWE	8.200	21.000	Oversupply
5/10/2018 9:25	0:19	SMRR	0.618	0.002	Oversupply
5/10/2018 10:11	0:00	SMRR	0.013	1.628	Oversupply
5/10/2018 10:12	0:00	SMRR	0.011	1.818	Oversupply
5/10/2018 11:10	0:00	SMRR	0.006	1.210	Oversupply
5/10/2018 11:11	0:00	SMRR	0.007	1.061	Oversupply
5/10/2018 11:11	0:05	SMRR	0.249	0.026	Oversupply
5/10/2018 11:12:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/10/2018 11:12:00	0:05	ESA	Data is not available	Data is not available	Oversupply
5/10/2018 11:12:00	0:05	ESB	Data is not available	Data is not available	Oversupply
5/10/2018 11:12	0:05	AWE	0.185	21.000	Oversupply
5/10/2018 11:17	0:00	SMRR	0.036	-0.002	Oversupply
5/10/2018 11:18	0:00	SMRR	0.025	0.227	Oversupply
5/10/2018 11:18	0:01	SMRR	0.057	0.659	Oversupply
5/10/2018 11:20	0:00	SMRR	0.017	0.590	Oversupply
5/12/2018 8:32	0:00	SMRR	0.020	0.026	Oversupply
5/12/2018 8:33	0:00	SMRR	0.014	0.513	Oversupply
5/12/2018 8:34:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 8:34:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 8:34	0:02	AWE	0.005	8.600	Oversupply
5/12/2018 8:34	0:01	SMRR	0.041	0.011	Oversupply
5/12/2018 8:36	0:03	SMRR	0.082	0.331	Oversupply
5/12/2018 8:37:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 8:37:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 8:37	0:03	AWE	0.012	9.600	Oversupply
5/12/2018 8:39	0:00	SMRR	0.021	0.038	Oversupply
5/12/2018 8:40	0:00	SMRR	0.012	0.756	Oversupply
5/12/2018 8:51	0:00	SMRR	0.006	1.396	Oversupply
5/12/2018 9:00	0:00	SMRR	0.014	0.850	Oversupply
5/12/2018 9:01:00	0:13	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 9:01:00	0:13	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 9:01	0:04	AWE	0.126	13.900	Oversupply
5/12/2018 9:01	0:12	SMRR	0.406	0.010	Oversupply
5/12/2018 9:06	0:07	AWE	0.412	17.200	Oversupply
5/12/2018 9:13	0:00	SMRR	0.024	0.167	Oversupply
5/12/2018 9:14	0:00	SMRR	0.021	0.392	Oversupply
5/12/2018 9:15:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 9:15:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 9:15	0:03	AWE	0.028	16.900	Oversupply
5/12/2018 9:15	0:02	SMRR	0.079	0.002	Oversupply
5/12/2018 9:17	0:00	SMRR	0.022	0.392	Oversupply
5/12/2018 9:27	0:00	SMRR	0.005	1.766	Oversupply
5/12/2018 9:28	0:00	SMRR	0.019	0.688	Oversupply
5/12/2018 9:28	0:00	SMRR	0.006	1.670	Oversupply
5/12/2018 9:29	0:00	SMRR	0.012	1.222	Oversupply
5/12/2018 9:31:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 9:31:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 9:31	0:00	SMRR	0.023	0.413	Oversupply
5/12/2018 9:31	0:00	SMRR	0.020	0.656	Oversupply
5/12/2018 9:33	0:00	SMRR	0.017	0.920	Oversupply
5/12/2018 9:34:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 9:34:00	0:01	ESA	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/12/2018 9:34	0:01	SMRR	0.055	0.023	Oversupply
5/12/2018 9:35	0:01	AWE	0.006	15.900	Oversupply
5/12/2018 9:35	0:00	SMRR	0.015	1.027	Oversupply
5/12/2018 9:37	0:00	SMRR	0.009	1.558	Oversupply
5/12/2018 9:41	0:00	SMRR	0.005	1.912	Oversupply
5/12/2018 9:42	0:00	SMRR	0.010	1.487	Oversupply
5/12/2018 9:45	0:00	SMRR	0.010	1.498	Oversupply
5/12/2018 9:46	0:00	SMRR	0.025	0.326	Oversupply
5/12/2018 9:47	0:00	SMRR	0.022	0.568	Oversupply
5/12/2018 9:47	0:00	SMRR	0.022	0.639	Oversupply
5/12/2018 9:48	0:00	SMRR	0.007	1.748	Oversupply
5/12/2018 9:49	0:00	SMRR	0.007	1.827	Oversupply
5/12/2018 9:50:00	0:11	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 9:50:00	0:11	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 9:50	0:11	SMRR	0.453	0.641	Oversupply
5/12/2018 9:51	0:10	AWE	0.335	18.800	Oversupply
5/12/2018 10:03	0:00	SMRR	0.019	1.030	Oversupply
5/12/2018 10:04:00	0:38	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 10:04:00	0:38	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 10:04	0:39	AWE	2.796	20.600	Oversupply
5/12/2018 10:04	0:38	SMRR	1.565	0.474	Oversupply
5/12/2018 10:42	0:00	SMRR	0.032	0.170	Oversupply
5/12/2018 10:43:00	2:10	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 10:43:00	2:10	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 10:43	2:09	SMRR	5.855	0.516	Oversupply
5/12/2018 10:44	2:11	AWE	17.029	21.000	Oversupply
5/12/2018 12:54:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 12:54:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 12:54	0:00	SMRR	0.008	0.003	Oversupply
5/12/2018 12:55	0:00	SMRR	0.005	0.319	Oversupply
5/12/2018 12:56	0:00	SMRR	0.010	0.015	Oversupply
5/12/2018 12:58	0:00	SMRR	0.018	1.462	Oversupply
5/12/2018 12:59	0:00	SMRR	0.027	0.417	Oversupply
5/12/2018 13:00	0:09	SMRR	0.476	0.021	Oversupply
5/12/2018 13:01:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:01:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:01	0:09	AWE	0.165	21.000	Oversupply
5/12/2018 13:10	0:00	SMRR	0.022	1.111	Oversupply
5/12/2018 13:10	0:00	SMRR	0.030	0.550	Oversupply
5/12/2018 13:11	0:01	SMRR	0.069	0.240	Oversupply
5/12/2018 13:12:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:12:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:12	0:01	AWE	0.000	21.000	Oversupply
5/12/2018 13:13	0:00	SMRR	0.034	0.186	Oversupply
5/12/2018 13:13	0:03	SMRR	0.147	0.002	Oversupply
5/12/2018 13:14:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:14:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:14	0:02	AWE	0.016	21.000	Oversupply
5/12/2018 13:16	0:00	SMRR	0.028	0.595	Oversupply
5/12/2018 13:17	0:00	SMRR	0.024	0.961	Oversupply
5/12/2018 13:18	0:00	SMRR	0.023	1.038	Oversupply
5/12/2018 13:19:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:19:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:19	0:01	SMRR	0.065	0.679	Oversupply
5/12/2018 13:20	0:02	AWE	0.010	21.000	Oversupply
5/12/2018 13:20	0:01	SMRR	0.072	0.009	Oversupply
5/12/2018 13:22	0:00	SMRR	0.031	0.495	Oversupply
5/12/2018 13:23:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:23:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:23	0:00	SMRR	0.037	0.005	Oversupply
5/12/2018 13:23	0:00	SMRR	0.037	0.003	Oversupply
5/12/2018 13:24	0:00	SMRR	0.035	0.105	Oversupply
5/12/2018 13:25	0:01	AWE	0.000	20.300	Oversupply
5/12/2018 13:25	0:00	SMRR	0.034	0.290	Oversupply
5/12/2018 13:26:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:26:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:26	0:00	SMRR	0.029	0.631	Oversupply
5/12/2018 13:26	0:00	SMRR	0.037	0.005	Oversupply
5/12/2018 13:27	0:01	AWE	0.006	21.000	Oversupply
5/12/2018 13:27	0:00	SMRR	0.031	0.415	Oversupply
5/12/2018 13:28	0:00	SMRR	0.033	0.369	Oversupply
5/12/2018 13:29	0:01	AWE	0.005	21.000	Oversupply
5/12/2018 13:29	0:00	SMRR	0.035	0.074	Oversupply
5/12/2018 13:30	0:00	SMRR	0.026	0.850	Oversupply
5/12/2018 13:30	0:00	SMRR	0.030	0.495	Oversupply
5/12/2018 13:31	0:01	AWE	0.002	21.000	Oversupply
5/12/2018 13:31	0:00	SMRR	0.034	0.253	Oversupply
5/12/2018 13:32:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:32:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:32	0:01	SMRR	0.065	0.274	Oversupply
5/12/2018 13:33	0:00	SMRR	0.012	1.969	Oversupply
5/12/2018 13:43	0:00	SMRR	0.001	2.777	Oversupply
5/12/2018 13:44	0:00	SMRR	0.004	2.530	Oversupply
5/12/2018 13:44	0:00	SMRR	0.010	2.036	Oversupply
5/12/2018 13:45	0:00	SMRR	0.027	0.741	Oversupply

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/12/2018 13:46	0:00	SMRR	0.012	1.917	Oversupply
5/12/2018 13:47	0:00	SMRR	0.034	0.140	Oversupply
5/12/2018 13:47	0:00	SMRR	0.021	1.127	Oversupply
5/12/2018 13:48	0:00	SMRR	0.030	0.539	Oversupply
5/12/2018 13:49	0:00	SMRR	0.012	0.716	Oversupply
5/12/2018 13:50	0:00	SMRR	0.007	0.062	Oversupply
5/12/2018 13:52	0:00	SMRR	0.017	1.530	Oversupply
5/12/2018 13:53	0:00	SMRR	0.018	1.471	Oversupply
5/12/2018 13:53	0:06	SMRR	0.293	0.013	Oversupply
5/12/2018 13:55:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 13:55:00	0:05	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 13:56	0:05	AWE	0.118	21.000	Oversupply
5/12/2018 14:00	0:00	SMRR	0.035	0.095	Oversupply
5/12/2018 14:00	0:00	SMRR	0.030	0.542	Oversupply
5/12/2018 14:01	0:00	SMRR	0.023	1.096	Oversupply
5/12/2018 14:02	0:00	SMRR	0.017	1.490	Oversupply
5/12/2018 14:05	0:00	SMRR	0.002	2.581	Oversupply
5/12/2018 14:06	0:00	SMRR	0.007	2.146	Oversupply
5/12/2018 14:07	0:00	SMRR	0.008	2.074	Oversupply
5/12/2018 14:07	0:00	SMRR	0.022	0.964	Oversupply
5/12/2018 14:08	0:00	SMRR	0.028	0.561	Oversupply
5/12/2018 14:09	0:00	SMRR	0.026	0.691	Oversupply
5/12/2018 14:10:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 14:10:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 14:10	0:02	AWE	0.004	21.000	Oversupply
5/12/2018 14:10	0:02	SMRR	0.103	0.008	Oversupply
5/12/2018 14:12	0:00	SMRR	0.034	0.118	Oversupply
5/12/2018 14:13	0:00	SMRR	0.029	0.484	Oversupply
5/12/2018 14:13	0:00	SMRR	0.023	0.932	Oversupply
5/12/2018 14:14	0:00	SMRR	0.022	0.958	Oversupply
5/12/2018 14:15	0:00	SMRR	0.023	0.960	Oversupply
5/12/2018 14:20	0:00	SMRR	0.007	2.133	Oversupply
5/12/2018 14:20	0:00	SMRR	0.005	2.308	Oversupply
5/12/2018 14:33	0:00	SMRR	0.008	2.230	Oversupply
5/12/2018 14:39	0:00	SMRR	0.023	0.739	Oversupply
5/12/2018 14:39	0:00	SMRR	0.024	0.963	Oversupply
5/12/2018 14:40	0:00	SMRR	0.024	0.869	Oversupply
5/12/2018 14:41:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 14:41:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 14:41	0:02	SMRR	0.108	0.036	Oversupply
5/12/2018 14:42	0:02	AWE	0.021	21.000	Oversupply
5/12/2018 14:43	0:00	SMRR	0.036	0.044	Oversupply
5/12/2018 14:44	0:00	SMRR	0.029	0.624	Oversupply
5/12/2018 14:45	0:00	SMRR	0.019	0.625	Oversupply
5/12/2018 14:45	0:00	SMRR	0.024	0.956	Oversupply
5/12/2018 15:16	0:00	SMRR	0.014	1.278	Oversupply
5/12/2018 15:17	0:00	SMRR	0.028	0.158	Oversupply
5/12/2018 15:18:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/12/2018 15:18:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/12/2018 15:18	0:00	SMRR	0.025	0.367	Oversupply
5/12/2018 15:18	0:00	SMRR	0.030	0.027	Oversupply
5/12/2018 15:19	0:01	AWE	0.009	20.900	Oversupply
5/12/2018 15:19	0:00	SMRR	0.016	1.163	Oversupply
5/12/2018 15:20	0:00	SMRR	0.012	1.436	Oversupply
5/12/2018 15:28	0:00	SMRR	0.005	1.878	Oversupply
5/12/2018 15:31	0:00	SMRR	0.002	2.061	Oversupply
5/12/2018 15:31	0:00	SMRR	0.006	1.770	Oversupply
5/12/2018 15:32	0:00	SMRR	0.014	1.158	Oversupply
5/13/2018 7:51	0:00	SMRR	0.003	0.882	Oversupply
5/13/2018 7:52	0:00	SMRR	0.003	0.858	Oversupply
5/13/2018 7:52	0:00	SMRR	0.007	0.609	Oversupply
5/13/2018 7:53	0:00	SMRR	0.002	1.004	Oversupply
5/13/2018 7:54	0:00	SMRR	0.008	0.541	Oversupply
5/13/2018 7:55	0:00	SMRR	0.010	0.389	Oversupply
5/13/2018 8:04	0:00	SMRR	0.013	0.261	Oversupply
5/13/2018 8:05	0:00	SMRR	0.009	0.554	Oversupply
5/13/2018 8:08:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 8:08:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 8:08	0:00	SMRR	0.015	0.191	Oversupply
5/13/2018 8:09	0:00	SMRR	0.013	0.299	Oversupply
5/13/2018 8:09	0:00	SMRR	0.009	0.635	Oversupply
5/13/2018 8:11	0:00	SMRR	0.010	0.535	Oversupply
5/13/2018 8:12	0:00	SMRR	0.017	0.078	Oversupply
5/13/2018 8:12	0:00	SMRR	0.012	0.429	Oversupply
5/13/2018 8:13:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 8:13:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 8:13	0:00	SMRR	0.018	0.006	Oversupply
5/13/2018 8:14	0:01	AWE	0.008	11.500	Oversupply
5/13/2018 8:14	0:00	SMRR	0.013	0.343	Oversupply
5/13/2018 8:15:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 8:15:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 8:15	0:00	SMRR	0.009	0.647	Oversupply
5/13/2018 8:15	0:01	SMRR	0.032	0.343	Oversupply
5/13/2018 8:16	0:02	AWE	0.024	12.700	Oversupply
5/13/2018 8:17	0:00	SMRR	0.018	0.011	Oversupply

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/13/2018 8:18	0:01	SMRR	0.034	0.205	Oversupply
5/13/2018 8:19:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 8:19:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 8:19	0:07	AWE	0.113	17.100	Oversupply
5/13/2018 8:19	0:03	SMRR	0.092	0.030	Oversupply
5/13/2018 8:23	0:00	SMRR	0.016	0.323	Oversupply
5/13/2018 8:24	0:00	SMRR	0.012	0.614	Oversupply
5/13/2018 8:25	0:00	SMRR	0.006	1.060	Oversupply
5/13/2018 8:26	0:00	SMRR	0.009	0.867	Oversupply
5/13/2018 8:27:00	4:18	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 8:27:00	4:18	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 8:27	0:01	AWE	0.004	12.500	Oversupply
5/13/2018 8:27	5:39	SMRR	13.887	0.019	Oversupply
5/13/2018 8:29	5:38	AWE	43.281	21.000	Oversupply
5/13/2018 12:46:00	1:21	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 12:46:00	1:21	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 14:07	0:00	SMRR	0.032	0.155	Oversupply
5/13/2018 14:08	0:00	SMRR	0.017	1.410	Oversupply
5/13/2018 14:08	0:00	SMRR	0.008	2.071	Oversupply
5/13/2018 14:09	0:00	SMRR	0.017	1.365	Oversupply
5/13/2018 14:54	0:00	SMRR	0.021	0.839	Oversupply
5/13/2018 14:55:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 14:55:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 14:55	0:00	SMRR	0.030	0.050	Oversupply
5/13/2018 14:56	0:01	AWE	0.012	21.000	Oversupply
5/13/2018 14:56	0:00	SMRR	0.031	-0.006	Oversupply
5/13/2018 14:57:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 14:57:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 14:57	0:00	SMRR	0.028	0.288	Oversupply
5/13/2018 14:57	0:00	SMRR	0.031	0.006	Oversupply
5/13/2018 14:58	0:00	SMRR	0.030	0.090	Oversupply
5/13/2018 14:59:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 14:59:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 14:59	0:01	AWE	0.000	19.400	Oversupply
5/13/2018 14:59	0:00	SMRR	0.032	0.009	Oversupply
5/13/2018 15:00	0:00	SMRR	0.024	0.582	Oversupply
5/13/2018 15:01:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 15:01:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 15:01	0:00	SMRR	0.030	0.033	Oversupply
5/13/2018 15:01	0:00	SMRR	0.028	0.273	Oversupply
5/13/2018 15:02	0:00	SMRR	0.023	0.550	Oversupply
5/13/2018 15:03:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 15:03:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 15:03	0:00	SMRR	0.027	0.321	Oversupply
5/13/2018 15:04	0:03	AWE	0.032	21.000	Oversupply
5/13/2018 15:04	0:03	SMRR	0.122	0.012	Oversupply
5/13/2018 15:07	0:00	SMRR	0.026	0.326	Oversupply
5/13/2018 15:07	0:00	SMRR	0.026	0.321	Oversupply
5/13/2018 15:08	0:00	SMRR	0.023	0.552	Oversupply
5/13/2018 15:09	0:00	SMRR	0.018	0.952	Oversupply
5/13/2018 15:10	0:01	SMRR	0.055	0.318	Oversupply
5/13/2018 15:11	0:01	AWE	0.002	21.000	Oversupply
5/13/2018 15:11	0:00	SMRR	0.029	0.079	Oversupply
5/13/2018 15:12	0:00	SMRR	0.022	0.660	Oversupply
5/13/2018 15:13:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/13/2018 15:13:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/13/2018 15:13	0:05	AWE	0.065	21.000	Oversupply
5/13/2018 15:13	0:04	SMRR	0.183	0.011	Oversupply
5/13/2018 15:17	0:00	SMRR	0.022	0.767	Oversupply
5/13/2018 15:18	0:00	SMRR	0.018	0.976	Oversupply
5/13/2018 15:19	0:00	SMRR	0.009	1.729	Oversupply
5/13/2018 15:20	0:00	SMRR	0.006	2.003	Oversupply
5/13/2018 15:22	0:00	SMRR	0.001	2.318	Oversupply
5/13/2018 15:23	0:00	SMRR	0.005	1.958	Oversupply
5/13/2018 22:49	0:07	AWE	0.151	21.000	Oversupply
5/14/2018 5:00	0:01	AWE	0.002	0.100	Oversupply
5/14/2018 8:17	0:00	SMRR	0.015	0.258	Oversupply
5/14/2018 8:18	0:01	SMRR	0.029	0.512	Oversupply
5/14/2018 8:19:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 8:19:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 8:19	0:01	AWE	0.013	13.100	Oversupply
5/14/2018 8:19	0:00	SMRR	0.013	0.436	Oversupply
5/14/2018 9:34	0:00	SMRR	0.007	1.764	Oversupply
5/14/2018 9:34	0:00	SMRR	0.010	1.386	Oversupply
5/14/2018 9:35	0:00	SMRR	0.015	0.870	Oversupply
5/14/2018 9:36	0:00	SMRR	0.009	0.784	Oversupply
5/14/2018 13:06	0:00	SMRR	0.017	1.556	Oversupply
5/14/2018 13:12:00	0:07	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 13:12:00	0:07	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 13:12	0:06	SMRR	0.324	0.545	Oversupply
5/14/2018 13:13	0:07	AWE	0.162	18.300	Oversupply
5/14/2018 13:19	0:00	SMRR	0.029	0.000	Oversupply
5/14/2018 13:19	0:00	SMRR	0.017	0.249	Oversupply
5/14/2018 13:21	0:00	SMRR	0.006	1.776	Oversupply
5/14/2018 13:22:00	0:11	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
5/14/2018 13:22:00	0:11	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 13:22	0:14	AWE		0.241	19.000 Oversupply
5/14/2018 13:22	0:11	SMRR		0.472	0.016 Oversupply
5/14/2018 13:33	0:00	SMRR		0.011	0.455 Oversupply
5/14/2018 13:34:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 13:34:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 13:34	0:01	SMRR		0.033	0.001 Oversupply
5/14/2018 13:36	0:00	SMRR		0.012	0.394 Oversupply
5/14/2018 13:36	0:00	SMRR		0.009	0.613 Oversupply
5/14/2018 13:38	0:00	SMRR		0.012	0.573 Oversupply
5/14/2018 13:39:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 13:39:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 13:39	0:00	SMRR		0.014	0.238 Oversupply
5/14/2018 13:39	0:00	SMRR		0.015	0.175 Oversupply
5/14/2018 13:40	0:01	SMRR		0.034	0.022 Oversupply
5/14/2018 13:41	0:02	AWE		0.007	20.100 Oversupply
5/14/2018 13:42	0:00	SMRR		0.017	-0.002 Oversupply
5/14/2018 13:43	0:00	SMRR		0.017	-0.002 Oversupply
5/14/2018 13:44	0:00	SMRR		0.017	-0.002 Oversupply
5/14/2018 13:44	0:00	SMRR		0.021	0.804 Oversupply
5/14/2018 15:36:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 15:36:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 15:36	0:09	SMRR		0.355	0.018 Oversupply
5/14/2018 15:37	0:08	AWE		0.199	18.800 Oversupply
5/14/2018 15:45	0:01	SMRR		0.035	0.125 Oversupply
5/14/2018 15:46:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 15:46:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 15:46	0:00	SMRR		0.005	0.195 Oversupply
5/14/2018 15:47	0:00	SMRR		0.005	0.120 Oversupply
5/14/2018 15:48:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 15:48:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 15:48	0:00	SMRR		0.007	-0.001 Oversupply
5/14/2018 15:49	0:01	AWE		0.000	20.700 Oversupply
5/14/2018 15:49	0:00	SMRR		0.015	0.556 Oversupply
5/14/2018 15:50	0:00	SMRR		0.016	0.502 Oversupply
5/14/2018 15:52	0:00	SMRR		0.012	1.252 Oversupply
5/14/2018 15:53	0:00	SMRR		0.019	0.114 Oversupply
5/14/2018 15:54	0:09	SMRR		0.279	0.028 Oversupply
5/14/2018 15:55:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/14/2018 15:55:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/14/2018 15:55	0:06	AWE		0.098	18.500 Oversupply
5/14/2018 16:02	0:02	AWE		0.012	18.800 Oversupply
5/14/2018 16:03	0:00	SMRR		0.011	-0.001 Oversupply
5/14/2018 16:04	0:00	SMRR		0.008	0.227 Oversupply
5/15/2018 11:54	0:01	AWE		0.013	17.000 Oversupply
5/15/2018 11:54	0:00	SMRR		0.008	0.020 Oversupply
5/15/2018 11:55	0:00	SMRR		0.006	0.231 Oversupply
5/15/2018 11:56	0:01	AWE		0.005	16.600 Oversupply
5/15/2018 11:57	0:00	SMRR		0.015	0.891 Oversupply
5/15/2018 12:01	0:00	SMRR		0.002	1.090 Oversupply
5/15/2018 12:02	0:00	SMRR		0.002	1.081 Oversupply
5/15/2018 12:03	0:00	SMRR		0.000	1.226 Oversupply
5/15/2018 13:48	0:00	SMRR		0.008	2.261 Oversupply
5/15/2018 13:49	0:00	SMRR		0.007	2.331 Oversupply
5/15/2018 13:50	0:00	SMRR		0.018	1.469 Oversupply
5/15/2018 13:51	0:00	SMRR		0.018	1.454 Oversupply
5/15/2018 13:51	0:00	SMRR		0.018	1.453 Oversupply
5/15/2018 13:52	0:00	SMRR		0.026	0.816 Oversupply
5/15/2018 13:53	0:00	SMRR		0.025	0.953 Oversupply
5/15/2018 14:13	0:00	SMRR		0.013	1.008 Oversupply
5/15/2018 14:14	0:00	SMRR		0.010	1.252 Oversupply
5/15/2018 14:14	0:00	SMRR		0.025	0.089 Oversupply
5/15/2018 14:15:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/15/2018 14:15:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/15/2018 14:15	0:02	AWE		0.004	15.800 Oversupply
5/15/2018 14:15	0:00	SMRR		0.023	0.186 Oversupply
5/15/2018 14:16	0:00	SMRR		0.024	0.092 Oversupply
5/15/2018 14:17:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/15/2018 14:17:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/15/2018 14:17	0:03	SMRR		0.135	0.338 Oversupply
5/15/2018 14:18	0:03	AWE		0.055	18.200 Oversupply
5/15/2018 14:21	0:00	SMRR		0.027	0.136 Oversupply
5/16/2018 11:06	0:00	SMRR		0.010	2.102 Oversupply
5/16/2018 11:07	0:00	SMRR		0.031	0.147 Oversupply
5/16/2018 11:08:00	0:06	BS250	Data is not available	Data is not available	Oversupply
5/16/2018 11:08:00	0:06	ESA	Data is not available	Data is not available	Oversupply
5/16/2018 11:08	0:06	SMRR		0.263	0.086 Oversupply
5/16/2018 11:09	0:15	AWE		0.357	14.800 Oversupply
5/16/2018 11:14	0:00	SMRR		0.035	0.108 Oversupply
5/16/2018 11:15:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/16/2018 11:15:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/16/2018 11:15	0:09	SMRR		0.382	0.006 Oversupply
5/16/2018 11:25	0:00	SMRR		0.007	2.348 Oversupply
5/16/2018 12:18	0:00	SMRR		0.002	2.730 Oversupply
5/16/2018 12:19	0:00	SMRR		0.011	2.029 Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/16/2018 12:20	0:00	SMRR	0.013	1.863	Oversupply
5/16/2018 12:24	0:00	SMRR	0.007	2.299	Oversupply
5/16/2018 12:24	0:00	SMRR	0.005	2.491	Oversupply
5/16/2018 12:25	0:00	SMRR	0.001	2.818	Oversupply
5/17/2018 3:35	0:01	AWE	0.010	17.300	Oversupply
5/17/2018 3:37	0:36	AWE	2.061	17.500	Oversupply
5/17/2018 4:20	0:05	AWE	0.089	14.700	Oversupply
5/17/2018 4:26	0:02	AWE	0.025	13.900	Oversupply
5/18/2018 10:08:00	0:10	BS250	Data is not available	Data is not available	Oversupply
5/18/2018 10:08:00	0:10	ESA	Data is not available	Data is not available	Oversupply
5/18/2018 10:08	0:10	AWE	0.228	19.600	Oversupply
5/18/2018 10:08	0:00	SMRR	0.009	1.181	Oversupply
5/18/2018 10:09	0:08	SMRR	0.273	0.008	Oversupply
5/18/2018 10:26	0:15	AWE	0.594	21.000	Oversupply
5/18/2018 10:28:00	0:13	BS250	Data is not available	Data is not available	Oversupply
5/18/2018 10:28:00	0:13	ESA	Data is not available	Data is not available	Oversupply
5/18/2018 10:28	0:12	SMRR	0.519	0.489	Oversupply
5/18/2018 10:40	0:00	SMRR	0.033	-0.004	Oversupply
5/18/2018 10:44:00	0:06	BS250	Data is not available	Data is not available	Oversupply
5/18/2018 10:44:00	0:06	ESA	Data is not available	Data is not available	Oversupply
5/18/2018 10:44	0:01	AWE	0.001	18.700	Oversupply
5/18/2018 10:44	0:00	SMRR	0.025	0.657	Oversupply
5/18/2018 10:45	0:00	SMRR	0.033	0.023	Oversupply
5/18/2018 10:46	0:04	AWE	0.094	19.000	Oversupply
5/18/2018 10:46	0:03	SMRR	0.167	0.000	Oversupply
5/18/2018 10:49	0:00	SMRR	0.033	0.005	Oversupply
5/18/2018 10:50	0:00	SMRR	0.025	0.605	Oversupply
5/18/2018 10:51	0:00	SMRR	0.020	1.109	Oversupply
5/18/2018 10:52	0:00	SMRR	0.017	1.286	Oversupply
5/18/2018 10:56	0:00	SMRR	0.013	1.688	Oversupply
5/18/2018 10:56	0:00	SMRR	0.026	0.662	Oversupply
5/18/2018 10:57:00	0:44	BS250	Data is not available	Data is not available	Oversupply
5/18/2018 10:57:00	0:44	ESA	Data is not available	Data is not available	Oversupply
5/18/2018 10:57	0:01	AWE	0.000	18.200	Oversupply
5/18/2018 10:57	0:00	SMRR	0.035	0.017	Oversupply
5/18/2018 10:58	0:00	SMRR	0.034	0.095	Oversupply
5/18/2018 10:59	0:37	AWE	1.834	20.400	Oversupply
5/18/2018 10:59	0:36	SMRR	1.697	-0.001	Oversupply
5/18/2018 11:35	0:00	SMRR	0.034	0.112	Oversupply
5/18/2018 11:36	0:05	SMRR	0.250	0.041	Oversupply
5/18/2018 11:38	0:03	AWE	0.124	20.100	Oversupply
5/18/2018 11:42	0:00	SMRR	0.034	0.073	Oversupply
5/18/2018 11:42	3:02	SMRR	8.459	0.005	Oversupply
5/18/2018 11:43:00	4:07	BS250	Data is not available	Data is not available	Oversupply
5/18/2018 11:43:00	4:07	ESA	Data is not available	Data is not available	Oversupply
5/18/2018 11:43	2:51	AWE	14.558	21.000	Oversupply
5/18/2018 12:31	2:49	KWPII	50.970	20.708	Oversupply
5/18/2018 14:35	0:01	AWE	0.009	19.900	Oversupply
5/18/2018 14:37	0:02	AWE	0.006	20.400	Oversupply
5/18/2018 14:45	0:00	SMRR	0.031	0.038	Oversupply
5/18/2018 14:46	0:33	SMRR	1.343	-0.002	Oversupply
5/18/2018 15:19	0:00	SMRR	0.029	-0.002	Oversupply
5/18/2018 15:21	0:29	KWPII	2.629	20.708	Oversupply
5/18/2018 15:21	0:28	SMRR	0.996	0.005	Oversupply
5/18/2018 15:49	0:00	SMRR	0.025	0.010	Oversupply
5/18/2018 15:50	0:00	SMRR	0.018	0.591	Oversupply
5/18/2018 18:46	20:57	SMRR	19.928	-0.003	Oversupply
5/18/2018 23:11	0:18	KWPII	1.147	20.708	Oversupply
5/18/2018 23:30	16:13	KWPII	265.773	20.708	Oversupply
5/19/2018 3:28	0:40	AWE	1.468	21.000	Oversupply
5/19/2018 4:12	0:01	AWE	0.004	19.600	Oversupply
5/19/2018 4:14	0:01	AWE	0.003	19.400	Oversupply
5/19/2018 4:16	0:08	AWE	0.046	20.100	Oversupply
5/19/2018 4:26	0:03	AWE	0.016	20.100	Oversupply
5/19/2018 5:44:00	8:51	BS250	Data is not available	Data is not available	Oversupply
5/19/2018 5:44:00	8:51	ESA	Data is not available	Data is not available	Oversupply
5/19/2018 8:28	0:01	AWE	0.002	19.700	Oversupply
5/19/2018 8:31	0:02	AWE	0.008	19.600	Oversupply
5/19/2018 8:34	6:56	AWE	82.723	20.700	Oversupply
5/19/2018 11:18:00	0:05	SA	Data is not available	Data is not available	Oversupply
5/19/2018 11:18:00	0:05	BS	Data is not available	Data is not available	Oversupply
5/19/2018 11:18:00	0:05	MH	Data is not available	Data is not available	Oversupply
5/19/2018 11:24:00	0:03	SA	Data is not available	Data is not available	Oversupply
5/19/2018 11:24:00	0:03	BS	Data is not available	Data is not available	Oversupply
5/19/2018 11:28:00	0:20	SA	Data is not available	Data is not available	Oversupply
5/19/2018 11:28:00	0:20	BS	Data is not available	Data is not available	Oversupply
5/19/2018 11:32	0:01	KWP	0.021	24.612	Oversupply
5/19/2018 11:34	0:01	KWP	0.003	24.242	Oversupply
5/19/2018 11:39	0:01	KWP	0.018	25.309	Oversupply
5/19/2018 11:43	0:02	KWP	0.039	26.042	Oversupply
5/19/2018 11:48	0:01	KWP	0.015	25.902	Oversupply
5/19/2018 11:49:00	0:10	SA	Data is not available	Data is not available	Oversupply
5/19/2018 11:49:00	0:10	BS	Data is not available	Data is not available	Oversupply
5/19/2018 11:57	0:01	KWP	0.008	23.856	Oversupply
5/19/2018 12:00:00	0:03	SA	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
5/19/2018 12:00:00	0:03	BS	Data is not available	Data is not available	Oversupply
5/19/2018 12:04:00	0:53	5A	Data is not available	Data is not available	Oversupply
5/19/2018 12:04:00	0:53	BS	Data is not available	Data is not available	Oversupply
5/19/2018 12:06	0:01	KWP	0.000	24.768	Oversupply
5/19/2018 12:08	0:01	KWP	0.006	25.620	Oversupply
5/19/2018 12:10	0:07	KWP	0.260	27.221	Oversupply
5/19/2018 12:19	0:02	KWP	0.058	26.013	Oversupply
5/19/2018 12:22	0:01	KWP	0.037	25.635	Oversupply
5/19/2018 12:25	0:02	KWP	0.081	25.961	Oversupply
5/19/2018 12:32	0:03	KWP	0.023	26.102	Oversupply
5/19/2018 12:37	0:01	KWP	0.012	26.509	Oversupply
5/19/2018 12:58:00	0:07	5A	Data is not available	Data is not available	Oversupply
5/19/2018 12:58:00	0:07	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:06:00	0:05	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:06:00	0:05	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:06	0:01	KWP	0.002	26.102	Oversupply
5/19/2018 13:12:00	0:06	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:12:00	0:06	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:19:00	0:01	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:19:00	0:01	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:20	0:01	KWP	0.016	26.272	Oversupply
5/19/2018 13:21:00	0:10	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:21:00	0:10	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:23	0:01	KWP	0.016	25.909	Oversupply
5/19/2018 13:28	0:02	KWP	0.028	25.561	Oversupply
5/19/2018 13:32:00	0:03	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:32:00	0:03	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:36:00	0:04	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:36:00	0:04	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:46:00	0:02	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:46:00	0:02	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:49:00	0:04	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:49:00	0:04	BS	Data is not available	Data is not available	Oversupply
5/19/2018 13:54:00	0:02	5A	Data is not available	Data is not available	Oversupply
5/19/2018 13:54:00	0:02	BS	Data is not available	Data is not available	Oversupply
5/19/2018 14:36:00	1:07	BS250	Data is not available	Data is not available	Oversupply
5/19/2018 14:36:00	1:07	ESA	Data is not available	Data is not available	Oversupply
5/19/2018 15:32	0:02	AWE	0.013	20.600	Oversupply
5/19/2018 15:43	0:00	SMRR	0.021	0.440	Oversupply
5/19/2018 15:44:00	0:23	BS250	Data is not available	Data is not available	Oversupply
5/19/2018 15:44:00	0:23	ESA	Data is not available	Data is not available	Oversupply
5/19/2018 15:44	0:00	SMRR	0.011	1.271	Oversupply
5/19/2018 15:45	1:01	KWP/II	7.469	20.708	Oversupply
5/19/2018 15:45	0:22	SMRR	0.599	0.344	Oversupply
5/19/2018 16:07	0:00	SMRR	0.011	0.615	Oversupply
5/19/2018 16:08:00	0:37	BS250	Data is not available	Data is not available	Oversupply
5/19/2018 16:08:00	0:37	ESA	Data is not available	Data is not available	Oversupply
5/19/2018 16:08	0:36	SMRR	0.872	0.002	Oversupply
5/19/2018 16:45	0:00	SMRR	0.016	0.134	Oversupply
5/19/2018 16:46	0:00	SMRR	0.011	0.577	Oversupply
5/19/2018 16:53	0:00	SMRR	0.003	1.054	Oversupply
5/19/2018 16:54	0:00	SMRR	0.006	0.826	Oversupply
5/19/2018 18:45	16:58	SMRR	6.961	0.000	Oversupply
5/19/2018 22:38	0:17	KWP/II	0.544	20.708	Oversupply
5/19/2018 23:02	0:01	KWP/II	0.011	20.708	Oversupply
5/19/2018 23:09	0:33	KWP/II	3.397	20.708	Oversupply
5/19/2018 23:43	3:01	KWP/II	49.452	20.708	Oversupply
5/20/2018 1:46	0:01	AWE	0.003	19.600	Oversupply
5/20/2018 1:48	0:01	AWE	0.005	19.600	Oversupply
5/20/2018 1:50	0:01	AWE	0.005	20.100	Oversupply
5/20/2018 1:56	0:07	AWE	0.052	20.000	Oversupply
5/20/2018 2:12	0:02	AWE	0.008	18.600	Oversupply
5/20/2018 2:15	0:06	AWE	0.032	18.900	Oversupply
5/20/2018 2:22	0:07	AWE	0.115	19.200	Oversupply
5/20/2018 2:38	0:01	AWE	0.003	19.700	Oversupply
5/20/2018 2:46	8:58	KWP/II	142.671	20.708	Oversupply
5/20/2018 3:02	0:01	AWE	0.006	19.200	Oversupply
5/20/2018 3:04	0:28	AWE	0.604	19.800	Oversupply
5/20/2018 3:33	0:02	AWE	0.014	17.800	Oversupply
5/20/2018 3:38	0:03	AWE	0.043	18.700	Oversupply
5/20/2018 3:42	0:13	AWE	0.338	20.400	Oversupply
5/20/2018 3:56	0:01	AWE	0.010	18.900	Oversupply
5/20/2018 3:58	0:01	AWE	0.010	18.900	Oversupply
5/20/2018 4:01	0:08	AWE	0.066	18.500	Oversupply
5/20/2018 4:12	0:08	AWE	0.067	20.600	Oversupply
5/20/2018 4:23	0:03	AWE	0.010	19.600	Oversupply
5/20/2018 4:29	0:01	AWE	0.005	18.300	Oversupply
5/20/2018 4:32	0:03	AWE	0.014	19.400	Oversupply
5/20/2018 4:36	0:01	AWE	0.001	18.400	Oversupply
5/20/2018 4:38	0:07	AWE	0.084	20.600	Oversupply
5/20/2018 4:46	0:02	AWE	0.012	19.900	Oversupply
5/20/2018 4:50	0:01	AWE	0.009	20.000	Oversupply
5/20/2018 5:04	0:02	AWE	0.009	20.700	Oversupply
5/20/2018 5:07	0:01	AWE	0.002	20.700	Oversupply
5/20/2018 5:44:00	5:59	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
5/20/2018 5:44:00	5:59	ESA	Data is not available	Data is not available	Oversupply
5/20/2018 9:27	0:03	AWE	0.023	20.500	Oversupply
5/20/2018 9:31	2:03	AWE	19.083	20.600	Oversupply
5/20/2018 11:36	0:02	AWE	0.023	21.000	Oversupply
5/20/2018 11:43	0:00	SMRR	0.006	0.492	Oversupply
5/20/2018 11:44:00	2:51	BS250	Data is not available	Data is not available	Oversupply
5/20/2018 11:44:00	2:51	ESA	Data is not available	Data is not available	Oversupply
5/20/2018 11:44	0:00	SMRR	0.012	0.014	Oversupply
5/20/2018 11:45	0:00	SMRR	0.011	0.006	Oversupply
5/20/2018 11:46	2:50	KWP/II	31.837	20.708	Oversupply
5/20/2018 11:46	2:50	SMRR	3.878	-0.001	Oversupply
5/20/2018 14:36:00	0:40	BS250	Data is not available	Data is not available	Oversupply
5/20/2018 14:36:00	0:40	ESA	Data is not available	Data is not available	Oversupply
5/20/2018 14:36	0:40	SMRR	0.634	0.007	Oversupply
5/20/2018 14:37	0:40	KWP/II	3.801	20.708	Oversupply
5/20/2018 15:17	0:00	SMRR	0.006	0.339	Oversupply
5/20/2018 15:18	0:00	SMRR	0.011	0.019	Oversupply
5/20/2018 15:19	0:00	SMRR	0.003	0.690	Oversupply
5/20/2018 15:20:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/20/2018 15:20:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/20/2018 15:20	0:03	SMRR	0.045	0.041	Oversupply
5/20/2018 15:23	0:01	KWP/II	0.001	19.211	Oversupply
5/20/2018 15:23	0:00	SMRR	0.012	0.007	Oversupply
5/20/2018 22:51	0:25	KWP/II	4.261	20.708	Oversupply
5/20/2018 23:17	5:49	KWP/II	118.355	20.708	Oversupply
5/20/2018 23:30	0:30	AWE	1.036	20.000	Oversupply
5/21/2018 0:02	0:17	AWE	0.342	16.800	Oversupply
5/21/2018 0:20	0:03	AWE	0.048	15.500	Oversupply
5/21/2018 0:25	0:04	AWE	0.055	16.700	Oversupply
5/21/2018 0:30	4:29	AWE	17.757	20.700	Oversupply
5/21/2018 5:08	0:45	KWP/II	5.057	20.708	Oversupply
5/21/2018 5:44:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 5:44:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 6:01:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 6:01:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 7:47	0:09	SMRR	0.155	0.318	Oversupply
5/21/2018 7:48:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 7:48:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 7:49	0:08	KWP/II	0.454	20.700	Oversupply
5/21/2018 7:57:00	6:20	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 7:57:00	6:20	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 7:57	6:19	SMRR	15.372	0.405	Oversupply
5/21/2018 7:58	6:18	KWP/II	90.721	20.708	Oversupply
5/21/2018 10:32	2:52	AWE	27.982	21.000	Oversupply
5/21/2018 12:54	0:15	MH	Data is not available	Data is not available	System constraint
5/21/2018 14:16	0:00	SMRR	0.014	0.149	Oversupply
5/21/2018 14:17	0:00	SMRR	0.009	0.573	Oversupply
5/21/2018 14:22:00	0:14	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 14:22:00	0:14	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 14:22	0:14	SMRR	0.479	0.542	Oversupply
5/21/2018 14:24	0:13	KWP/II	0.926	20.708	Oversupply
5/21/2018 14:38	0:28	AWE	1.578	20.500	Oversupply
5/21/2018 14:38	0:38	KWP/II	11.210	20.708	Oversupply
5/21/2018 14:40	0:10	KWP	0.321	28.058	Oversupply
5/21/2018 14:50:00	0:26	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 14:50:00	0:26	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 14:50	1:16	SMRR	2.943	0.780	Oversupply
5/21/2018 15:07	0:02	AWE	0.001	20.700	Oversupply
5/21/2018 15:17:00	0:50	BS250	Data is not available	Data is not available	Oversupply
5/21/2018 15:17:00	0:50	ESA	Data is not available	Data is not available	Oversupply
5/21/2018 15:17	0:43	KWP/II	7.283	20.708	Oversupply
5/21/2018 16:01	0:07	KWP/II	0.096	20.708	Oversupply
5/21/2018 16:07	0:00	SMRR	0.026	0.096	Oversupply
5/21/2018 16:07	0:00	SMRR	0.021	0.483	Oversupply
5/21/2018 16:08	0:00	SMRR	0.018	0.693	Oversupply
5/21/2018 16:09	0:00	SMRR	0.017	0.778	Oversupply
5/21/2018 22:37	0:02	KWP/II	0.039	20.707	Oversupply
5/21/2018 22:42	0:10	KWP/II	0.412	20.708	Oversupply
5/21/2018 23:56	0:31	KWP/II	0.742	20.708	Oversupply
5/22/2018 1:14	0:01	KWP/II	0.006	20.701	Oversupply
5/22/2018 1:16	0:06	KWP/II	0.133	20.708	Oversupply
5/22/2018 1:24	0:15	KWP/II	0.759	20.701	Oversupply
5/22/2018 1:42	0:25	KWP/II	0.664	20.708	Oversupply
5/22/2018 2:14	2:00	KWP/II	18.094	20.708	Oversupply
5/22/2018 4:23	0:30	KWP/II	2.627	20.708	Oversupply
5/22/2018 7:39	0:00	SMRR	0.002	0.793	Oversupply
5/22/2018 7:39	0:00	SMRR	0.007	0.407	Oversupply
5/22/2018 7:40:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 7:40:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 7:40	0:00	SMRR	0.012	0.010	Oversupply
5/22/2018 7:42:00	0:37	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 7:42:00	0:37	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 7:42	0:36	SMRR	0.774	0.010	Oversupply
5/22/2018 7:43	0:37	KWP/II	2.308	20.708	Oversupply
5/22/2018 8:19	0:00	SMRR	0.016	0.323	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/22/2018 8:39	0:00	SMRR	0.006	1.158	Oversupply
5/22/2018 8:40:00	0:07	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 8:40:00	0:07	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 8:40	0:06	SMRR	0.190	0.015	Oversupply
5/22/2018 8:41	0:06	KWPPI	0.204	20.698	Oversupply
5/22/2018 8:48:00	0:40	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 8:48:00	0:40	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 8:48	0:40	SMRR	1.043	0.882	Oversupply
5/22/2018 8:49	5:08	KWPPI	95.842	20.708	Oversupply
5/22/2018 9:33:00	2:25	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 9:33:00	2:25	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 9:33	4:23	SMRR	9.934	1.377	Oversupply
5/22/2018 9:59	0:02	AWE	0.055	20.800	Oversupply
5/22/2018 10:02	3:43	AWE	37.209	21.000	Oversupply
5/22/2018 13:07:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 13:07:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 13:17	0:13	KWP	0.921	27.110	Oversupply
5/22/2018 13:30:00	0:27	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 13:30:00	0:27	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 13:32	0:01	KWP	0.002	25.939	Oversupply
5/22/2018 13:47	0:02	AWE	0.034	21.000	Oversupply
5/22/2018 13:50	0:02	AWE	0.010	21.000	Oversupply
5/22/2018 13:59:00	2:05	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 13:59:00	2:05	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 13:59	2:04	KWPPI	24.602	20.708	Oversupply
5/22/2018 13:59	2:03	SMRR	3.481	0.001	Oversupply
5/22/2018 14:19	0:02	AWE	0.017	21.000	Oversupply
5/22/2018 16:03	0:00	SMRR	0.016	0.001	Oversupply
5/22/2018 16:04	0:00	SMRR	0.023	0.177	Oversupply
5/22/2018 16:04	0:00	SMRR	0.016	0.763	Oversupply
5/22/2018 16:05	0:00	SMRR	0.012	1.034	Oversupply
5/22/2018 16:06:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/22/2018 16:06:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/22/2018 16:06	0:00	SMRR	0.017	0.576	Oversupply
5/22/2018 16:07	0:01	SMRR	0.046	0.016	Oversupply
5/22/2018 16:08	0:00	SMRR	0.022	0.157	Oversupply
5/22/2018 16:09	0:00	SMRR	0.020	0.347	Oversupply
5/22/2018 16:10	0:00	SMRR	0.007	1.359	Oversupply
5/22/2018 16:10	0:00	SMRR	0.011	1.008	Oversupply
5/22/2018 16:11	0:00	SMRR	0.020	0.327	Oversupply
5/22/2018 16:12	0:00	SMRR	0.023	0.078	Oversupply
5/22/2018 16:13	0:00	SMRR	0.016	0.641	Oversupply
5/22/2018 16:13	0:00	SMRR	0.008	1.195	Oversupply
5/22/2018 22:33	0:32	KWPPI	4.234	20.708	Oversupply
5/22/2018 23:06	0:17	KWPPI	0.916	20.707	Oversupply
5/22/2018 23:38	5:13	KWPPI	51.205	20.708	Oversupply
5/23/2018 0:04	0:03	AWE	0.043	20.200	Oversupply
5/23/2018 1:26	0:03	AWE	0.020	20.500	Oversupply
5/23/2018 4:52	0:08	KWPPI	0.163	20.611	Oversupply
5/23/2018 5:47:00	0:14	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 5:47:00	0:14	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 5:48	0:13	KWPPI	0.422	20.703	Oversupply
5/23/2018 7:01:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 7:01:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 7:01	0:02	SMRR	0.018	0.045	Oversupply
5/23/2018 7:03	0:01	KWPPI	0.013	20.706	Oversupply
5/23/2018 7:03	0:05	AWE	0.143	14.300	Oversupply
5/23/2018 7:04:00	0:16	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 7:04:00	0:16	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 7:04	0:16	SMRR	0.161	0.001	Oversupply
5/23/2018 7:05	0:15	KWPPI	1.288	20.708	Oversupply
5/23/2018 7:22:00	3:05	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 7:22:00	3:05	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 7:22	0:06	SMRR	0.077	0.003	Oversupply
5/23/2018 7:24	0:03	KWPPI	0.135	20.704	Oversupply
5/23/2018 7:28	7:01	SMRR	13.813	0.112	Oversupply
5/23/2018 7:29	0:36	KWPPI	6.521	20.708	Oversupply
5/23/2018 8:06	6:23	KWPPI	125.355	20.708	Oversupply
5/23/2018 8:40	2:40	AWE	20.800	21.000	Oversupply
5/23/2018 10:50	0:05	KWP	0.063	25.902	Oversupply
5/23/2018 10:59	0:01	KWP	0.015	25.346	Oversupply
5/23/2018 11:01:00	3:28	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 11:01:00	3:28	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 11:25	0:03	AWE	0.019	21.000	Oversupply
5/23/2018 11:29	0:01	AWE	0.002	21.000	Oversupply
5/23/2018 11:31	0:48	AWE	4.372	21.000	Oversupply
5/23/2018 12:20	0:08	AWE	0.273	21.000	Oversupply
5/23/2018 12:33	0:01	AWE	0.008	20.100	Oversupply
5/23/2018 12:37	0:35	AWE	3.337	21.000	Oversupply
5/23/2018 13:14	0:03	AWE	0.090	19.900	Oversupply
5/23/2018 13:25	1:00	AWE	3.807	21.000	Oversupply
5/23/2018 14:31:00	1:31	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 14:31:00	1:31	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 14:31	1:32	KWPPI	15.872	20.708	Oversupply
5/23/2018 14:31	1:31	SMRR	3.000	2.249	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/23/2018 16:03	0:00	SMRR	0.020	0.619	Oversupply
5/23/2018 16:03	0:00	SMRR	0.020	0.585	Oversupply
5/23/2018 16:04	0:00	SMRR	0.006	1.727	Oversupply
5/23/2018 16:06:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 16:06:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 16:06	0:00	SMRR	0.001	2.132	Oversupply
5/23/2018 16:07	0:00	SMRR	0.021	0.476	Oversupply
5/23/2018 16:07	0:00	SMRR	0.024	0.282	Oversupply
5/23/2018 16:08:00	0:33	BS250	Data is not available	Data is not available	Oversupply
5/23/2018 16:08:00	0:33	ESA	Data is not available	Data is not available	Oversupply
5/23/2018 16:08	0:00	SMRR	0.019	0.648	Oversupply
5/23/2018 16:09	0:32	SMRR	1.085	0.017	Oversupply
5/23/2018 16:10	0:32	KWP/II	1.016	20.708	Oversupply
5/23/2018 16:42	0:00	SMRR	0.020	0.204	Oversupply
5/23/2018 16:42	0:00	SMRR	0.020	0.190	Oversupply
5/23/2018 16:46	0:00	SMRR	0.018	0.257	Oversupply
5/23/2018 16:46	0:00	SMRR	0.014	0.465	Oversupply
5/23/2018 18:47	11:29	SMRR	0.058	0.002	Oversupply
5/23/2018 21:57	0:29	KWP/II	2.038	20.708	Oversupply
5/23/2018 23:02	0:05	KWP/II	0.042	19.211	Oversupply
5/23/2018 23:08	0:57	KWP/II	11.926	19.211	Oversupply
5/23/2018 23:42	0:16	AWE	0.456	21.000	Oversupply
5/24/2018 0:07	5:49	KWP/II	106.850	19.211	Oversupply
5/24/2018 0:34	0:12	AWE	0.426	13.600	Oversupply
5/24/2018 0:50	0:08	AWE	0.343	13.800	Oversupply
5/24/2018 0:59	4:29	AWE	26.950	21.000	Oversupply
5/24/2018 5:29	0:04	AWE	0.036	18.700	Oversupply
5/24/2018 5:39	0:10	AWE	0.255	21.000	Oversupply
5/24/2018 5:44:00	0:11	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 5:44:00	0:11	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 5:51	0:01	AWE	0.001	21.000	Oversupply
5/24/2018 5:57:00	0:20	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 5:57:00	0:20	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 5:58	0:19	KWP/II	1.438	19.207	Oversupply
5/24/2018 6:20:00	0:36	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 6:20:00	0:36	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 6:21	0:35	SMRR	0.163	0.003	Oversupply
5/24/2018 6:24	0:01	AWE	0.045	15.700	Oversupply
5/24/2018 6:24	0:33	KWP/II	3.331	19.211	Oversupply
5/24/2018 6:29	0:01	AWE	0.008	19.500	Oversupply
5/24/2018 6:56	0:02	AWE	0.035	12.800	Oversupply
5/24/2018 6:57:00	0:37	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 6:57:00	0:37	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 6:57	0:36	SMRR	0.362	0.239	Oversupply
5/24/2018 6:58	0:37	KWP/II	11.341	20.708	Oversupply
5/24/2018 7:07	0:24	AWE	1.273	21.000	Oversupply
5/24/2018 7:35:00	2:01	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 7:35:00	2:01	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 7:35	0:00	SMRR	0.002	0.786	Oversupply
5/24/2018 7:36	5:10	KWP/II	93.291	19.211	Oversupply
5/24/2018 7:36	2:00	SMRR	3.207	0.008	Oversupply
5/24/2018 7:37	0:13	AWE	0.494	21.000	Oversupply
5/24/2018 7:51	5:19	AWE	55.881	21.000	Oversupply
5/24/2018 9:49:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 9:49:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 9:49	0:00	SMRR	0.000	2.300	Oversupply
5/24/2018 9:56	0:08	KWP	0.213	25.242	Oversupply
5/24/2018 10:04:00	4:12	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 10:04:00	4:12	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 10:04	4:11	SMRR	10.996	1.258	Oversupply
5/24/2018 11:02:00	0:01	5A	Data is not available	Data is not available	Oversupply
5/24/2018 11:02:00	0:01	BS	Data is not available	Data is not available	Oversupply
5/24/2018 11:04:00	0:05	5A	Data is not available	Data is not available	Oversupply
5/24/2018 11:04:00	0:05	BS	Data is not available	Data is not available	Oversupply
5/24/2018 11:12:00	0:01	5A	Data is not available	Data is not available	Oversupply
5/24/2018 11:12:00	0:01	BS	Data is not available	Data is not available	Oversupply
5/24/2018 12:57	1:19	KWP/II	23.226	19.211	Oversupply
5/24/2018 13:17	0:02	AWE	0.017	21.000	Oversupply
5/24/2018 13:23	0:02	AWE	0.015	21.000	Oversupply
5/24/2018 13:26	0:03	AWE	0.008	21.000	Oversupply
5/24/2018 13:30	0:24	AWE	1.209	21.000	Oversupply
5/24/2018 13:56	0:04	AWE	0.068	21.000	Oversupply
5/24/2018 14:03	0:02	AWE	0.022	21.000	Oversupply
5/24/2018 14:11	0:01	AWE	0.006	21.000	Oversupply
5/24/2018 14:18:00	0:18	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 14:18:00	0:18	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 14:18	1:19	KWP/II	10.228	19.211	Oversupply
5/24/2018 14:18	0:17	SMRR	0.622	0.924	Oversupply
5/24/2018 14:36	0:00	SMRR	0.014	0.950	Oversupply
5/24/2018 14:37:00	1:00	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 14:37:00	1:00	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 14:37	1:01	SMRR	2.201	0.599	Oversupply
5/24/2018 15:41	0:00	SMRR	0.008	0.812	Oversupply
5/24/2018 16:04	0:00	SMRR	0.016	0.661	Oversupply
5/24/2018 16:05	0:00	SMRR	0.013	0.297	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/24/2018 16:05	0:00	SMRR	0.010	0.386	Oversupply
5/24/2018 16:06:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/24/2018 16:06:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/24/2018 16:07	0:00	SMRR	0.011	0.824	Oversupply
5/24/2018 16:08	0:00	SMRR	0.006	0.583	Oversupply
5/24/2018 16:09	0:00	SMRR	0.012	0.135	Oversupply
5/24/2018 16:09	0:00	SMRR	0.002	0.901	Oversupply
5/24/2018 16:10	0:00	SMRR	0.004	0.611	Oversupply
5/24/2018 16:11	0:00	SMRR	0.010	0.465	Oversupply
5/24/2018 16:12	0:00	SMRR	0.003	0.513	Oversupply
5/24/2018 16:15	0:00	SMRR	0.007	0.896	Oversupply
5/24/2018 16:16	0:00	SMRR	0.004	1.654	Oversupply
5/24/2018 17:46	0:00	SMRR	0.001	0.653	Oversupply
5/24/2018 17:47	0:00	SMRR	0.004	0.616	Oversupply
5/24/2018 17:48	0:00	SMRR	0.005	0.537	Oversupply
5/24/2018 17:49	0:00	SMRR	0.008	0.231	Oversupply
5/24/2018 17:49	0:00	SMRR	0.010	0.088	Oversupply
5/24/2018 18:48	11:52	SMRR	0.149	0.001	Oversupply
5/24/2018 22:00	0:13	KWP/II	0.807	19.210	Oversupply
5/24/2018 22:17	0:07	KWP/II	0.052	19.203	Oversupply
5/24/2018 22:25	7:05	KWP/II	122.510	19.211	Oversupply
5/24/2018 23:31	4:18	AWE	30.584	21.000	Oversupply
5/25/2018 3:51	1:26	AWE	10.485	20.900	Oversupply
5/25/2018 5:24	0:02	AWE	0.005	20.800	Oversupply
5/25/2018 5:32	1:10	KWP/II	7.295	19.211	Oversupply
5/25/2018 5:44:00	0:56	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 5:44:00	0:56	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 6:41	0:00	SMRR	0.004	0.001	Oversupply
5/25/2018 6:43:00	0:10	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 6:43:00	0:10	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 6:44	0:00	SMRR	0.004	0.001	Oversupply
5/25/2018 6:44	0:09	SMRR	0.056	0.001	Oversupply
5/25/2018 6:46	0:08	KWP/II	0.057	19.211	Oversupply
5/25/2018 6:56:00	3:21	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 6:56:00	3:21	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 6:56	0:00	SMRR	0.005	-0.002	Oversupply
5/25/2018 6:57	3:20	SMRR	5.103	0.002	Oversupply
5/25/2018 6:59	5:36	KWP/II	95.642	19.211	Oversupply
5/25/2018 7:00	0:04	AWE	0.089	18.300	Oversupply
5/25/2018 7:53	0:03	AWE	0.016	21.000	Oversupply
5/25/2018 8:02	3:00	AWE	17.981	21.000	Oversupply
5/25/2018 10:17	0:00	SMRR	0.031	-0.003	Oversupply
5/25/2018 10:21	2:14	SMRR	6.096	0.004	Oversupply
5/25/2018 10:37:00	1:57	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 10:37:00	1:57	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 11:07	0:01	AWE	0.004	19.500	Oversupply
5/25/2018 11:09	0:02	AWE	0.021	19.400	Oversupply
5/25/2018 11:12	0:04	AWE	0.036	19.700	Oversupply
5/25/2018 11:17	0:06	AWE	0.044	19.700	Oversupply
5/25/2018 11:24	0:01	AWE	0.000	18.300	Oversupply
5/25/2018 11:26	0:10	AWE	0.193	19.100	Oversupply
5/25/2018 11:42	0:04	AWE	0.031	19.800	Oversupply
5/25/2018 11:48	0:17	AWE	0.512	19.200	Oversupply
5/25/2018 12:06	0:07	AWE	0.115	21.000	Oversupply
5/25/2018 12:14	0:02	AWE	0.013	21.000	Oversupply
5/25/2018 12:21	0:02	AWE	0.015	20.800	Oversupply
5/25/2018 12:29	0:02	AWE	0.011	21.000	Oversupply
5/25/2018 12:36	0:00	SMRR	0.018	0.359	Oversupply
5/25/2018 12:37:00	1:05	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 12:37:00	1:05	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 12:37	1:05	KWP/II	16.871	18.908	Oversupply
5/25/2018 12:37	1:04	SMRR	2.363	-0.002	Oversupply
5/25/2018 13:14	0:13	AWE	0.370	21.000	Oversupply
5/25/2018 13:29	0:01	AWE	0.007	21.000	Oversupply
5/25/2018 13:42	0:00	SMRR	0.037	-0.004	Oversupply
5/25/2018 13:43	0:00	SMRR	0.035	0.071	Oversupply
5/25/2018 13:44:00	1:05	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 13:44:00	1:05	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 13:44	1:07	KWP/II	10.658	19.146	Oversupply
5/25/2018 13:44	0:00	SMRR	0.033	0.288	Oversupply
5/25/2018 13:44	1:05	SMRR	2.850	0.545	Oversupply
5/25/2018 14:49	0:00	SMRR	0.026	-0.004	Oversupply
5/25/2018 14:50	0:00	SMRR	0.022	-0.004	Oversupply
5/25/2018 14:51	0:00	SMRR	0.021	0.013	Oversupply
5/25/2018 14:52	0:00	SMRR	0.023	0.132	Oversupply
5/25/2018 14:52	0:00	SMRR	0.023	0.351	Oversupply
5/25/2018 14:53:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 14:53:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 14:53	0:01	SMRR	0.051	0.371	Oversupply
5/25/2018 14:54	0:01	KWP/II	0.008	18.775	Oversupply
5/25/2018 14:55	0:00	SMRR	0.030	-0.003	Oversupply
5/25/2018 14:56	0:00	SMRR	0.029	-0.003	Oversupply
5/25/2018 14:57	0:00	SMRR	0.029	-0.003	Oversupply
5/25/2018 15:52	0:04	KWP/II	0.055	18.462	Oversupply
5/25/2018 15:53:00	0:02	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
5/25/2018 15:53:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 15:53	0:03	SMRR		0.022	Oversupply
5/25/2018 16:01:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 16:01:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 16:01	0:00	SMRR		0.006	1.198 Oversupply
5/25/2018 16:02	0:15	KWP/II		1.176	19.138 Oversupply
5/25/2018 16:08	0:00	SMRR		0.001	1.592 Oversupply
5/25/2018 16:09:00	0:07	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 16:09:00	0:07	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 16:09	0:09	SMRR		0.258	0.010 Oversupply
5/25/2018 16:39	0:00	SMRR		0.006	1.104 Oversupply
5/25/2018 16:39	0:00	SMRR		0.014	0.558 Oversupply
5/25/2018 16:41	0:00	SMRR		0.006	1.145 Oversupply
5/25/2018 16:49:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 16:49:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 16:49	0:07	SMRR		0.136	0.110 Oversupply
5/25/2018 16:52	0:04	KWP/II		0.070	19.211 Oversupply
5/25/2018 16:57	0:00	SMRR		0.016	0.069 Oversupply
5/25/2018 16:58	0:00	SMRR		0.015	0.190 Oversupply
5/25/2018 16:59	0:00	SMRR		0.005	0.948 Oversupply
5/25/2018 17:00:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/25/2018 17:00:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/25/2018 17:00	0:01	SMRR		0.028	0.406 Oversupply
5/25/2018 17:02	0:00	SMRR		0.014	0.180 Oversupply
5/25/2018 17:02	0:00	SMRR		0.003	0.984 Oversupply
5/25/2018 17:03	0:00	SMRR		0.005	0.894 Oversupply
5/25/2018 18:48	14:04	SMRR		1.400	0.001 Oversupply
5/25/2018 22:31	0:03	KWP/II		0.093	18.844 Oversupply
5/25/2018 23:03	0:02	KWP/II		0.007	17.231 Oversupply
5/25/2018 23:06	0:01	KWP/II		0.002	17.083 Oversupply
5/25/2018 23:08	0:05	KWP/II		0.058	18.861 Oversupply
5/25/2018 23:14	0:07	KWP/II		0.088	19.069 Oversupply
5/25/2018 23:24	1:02	KWP/II		4.929	19.190 Oversupply
5/26/2018 0:28	1:34	KWP/II		13.385	19.057 Oversupply
5/26/2018 2:17	0:01	KWP/II		0.005	16.488 Oversupply
5/26/2018 2:26	0:07	KWP/II		0.093	14.730 Oversupply
5/26/2018 2:36	0:03	KWP/II		0.050	13.600 Oversupply
5/26/2018 2:49	0:01	KWP/II		0.003	13.865 Oversupply
5/26/2018 2:55	0:05	KWP/II		0.042	13.150 Oversupply
5/26/2018 3:03	0:02	KWP/II		0.025	14.160 Oversupply
5/26/2018 3:09	0:07	KWP/II		0.158	13.578 Oversupply
5/26/2018 5:21	0:04	AWE		0.028	21.000 Oversupply
5/26/2018 5:23	0:03	KWP		0.046	13.362 Oversupply
5/26/2018 5:23	0:30	KWP/II		4.983	13.731 Oversupply
5/26/2018 5:26	0:01	AWE		0.017	21.000 Oversupply
5/26/2018 5:27	0:01	KWP		0.004	12.384 Oversupply
5/26/2018 5:30	0:11	AWE		0.195	20.400 Oversupply
5/26/2018 5:44:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 5:44:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 5:44	0:04	AWE		0.042	20.000 Oversupply
5/26/2018 5:55:00	2:58	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 5:55:00	2:58	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 5:56	2:57	KWP/II		29.945	19.171 Oversupply
5/26/2018 6:41	0:03	AWE		0.032	21.000 Oversupply
5/26/2018 6:59	0:02	AWE		0.002	21.000 Oversupply
5/26/2018 8:53	0:00	SMRR		0.009	0.065 Oversupply
5/26/2018 8:53	0:00	SMRR		0.007	0.256 Oversupply
5/26/2018 8:54	0:00	SMRR		0.005	0.385 Oversupply
5/26/2018 8:55	0:00	SMRR		0.006	0.317 Oversupply
5/26/2018 8:56:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 8:56:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 8:56	0:02	KWP/II		0.011	18.339 Oversupply
5/26/2018 8:56	0:02	SMRR		0.029	0.038 Oversupply
5/26/2018 8:58	0:00	SMRR		0.007	0.250 Oversupply
5/26/2018 8:59	0:00	SMRR		0.010	0.036 Oversupply
5/26/2018 9:08	0:00	SMRR		0.005	0.460 Oversupply
5/26/2018 9:09:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 9:09:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 9:09	0:00	SMRR		0.010	0.109 Oversupply
5/26/2018 9:09	0:00	SMRR		0.006	0.424 Oversupply
5/26/2018 9:10	0:02	KWP/II		0.021	19.097 Oversupply
5/26/2018 9:10	0:01	SMRR		0.020	0.075 Oversupply
5/26/2018 9:13	0:00	SMRR		0.002	0.749 Oversupply
5/26/2018 9:15	0:02	KWP/II		0.006	19.172 Oversupply
5/26/2018 9:15	0:00	SMRR		0.010	0.102 Oversupply
5/26/2018 9:15	0:00	SMRR		0.010	0.123 Oversupply
5/26/2018 9:17	0:00	SMRR		0.000	0.853 Oversupply
5/26/2018 9:18	0:00	SMRR		0.009	0.179 Oversupply
5/26/2018 9:57	0:00	SMRR		0.004	1.223 Oversupply
5/26/2018 9:58:00	0:43	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 9:58:00	0:43	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 9:58	0:43	KWP/II		3.404	18.562 Oversupply
5/26/2018 9:58	0:42	SMRR		1.473	0.012 Oversupply
5/26/2018 10:41	0:00	SMRR		0.027	0.288 Oversupply
5/26/2018 10:42	0:00	SMRR		0.016	0.902 Oversupply

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/26/2018 10:43:00	0:18	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 10:43:00	0:18	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 10:43	0:19	KWP	0.818	18.291	Oversupply
5/26/2018 10:43	0:19	SMRR	0.492	0.355	Oversupply
5/26/2018 10:59	0:01	AWE	0.002	21.000	Oversupply
5/26/2018 11:00	0:02	KWP	0.023	20.973	Oversupply
5/26/2018 11:03	0:03	AWE	0.046	21.000	Oversupply
5/26/2018 11:03	1:01	KWP	8.127	18.919	Oversupply
5/26/2018 11:04	0:59	SMRR	1.655	0.910	Oversupply
5/26/2018 11:07:00	0:56	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 11:07:00	0:56	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 12:04:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 12:04:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 12:04	0:01	SMRR	0.030	0.712	Oversupply
5/26/2018 12:05	0:01	KWP	0.004	17.603	Oversupply
5/26/2018 12:06	0:00	SMRR	0.006	1.068	Oversupply
5/26/2018 12:07	0:00	SMRR	0.003	1.284	Oversupply
5/26/2018 12:08	0:00	SMRR	0.017	0.220	Oversupply
5/26/2018 12:09:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 12:09:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 12:09	0:01	KWP	0.002	17.119	Oversupply
5/26/2018 12:09	0:01	SMRR	0.037	0.019	Oversupply
5/26/2018 12:10	0:00	SMRR	0.014	0.459	Oversupply
5/26/2018 12:11:00	0:24	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 12:11:00	0:24	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 12:11	0:25	KWP	2.370	19.186	Oversupply
5/26/2018 12:11	2:43	SMRR	5.276	0.019	Oversupply
5/26/2018 12:33	0:09	AWE	0.430	21.000	Oversupply
5/26/2018 12:36	0:06	KWP	0.187	23.767	Oversupply
5/26/2018 12:37	1:17	KWP	17.884	19.195	Oversupply
5/26/2018 12:43:00	2:12	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 12:43:00	2:12	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 13:34	0:12	AWE	0.471	21.000	Oversupply
5/26/2018 13:55	0:05	AWE	0.096	21.000	Oversupply
5/26/2018 13:55	1:00	KWP	14.392	19.189	Oversupply
5/26/2018 14:38	0:13	AWE	0.518	21.000	Oversupply
5/26/2018 14:57:00	0:16	BS250	Data is not available	Data is not available	Oversupply
5/26/2018 14:57:00	0:16	ESA	Data is not available	Data is not available	Oversupply
5/26/2018 14:57	0:16	KWP	2.567	17.679	Oversupply
5/26/2018 14:57	0:16	SMRR	0.493	0.809	Oversupply
5/26/2018 15:13	0:00	SMRR	0.017	0.236	Oversupply
5/26/2018 15:14	0:00	SMRR	0.009	0.328	Oversupply
5/26/2018 15:15	0:00	SMRR	0.009	0.317	Oversupply
5/26/2018 23:27	1:09	KWP	6.411	16.401	Oversupply
5/27/2018 0:41	0:30	KWP	2.795	17.359	Oversupply
5/27/2018 1:16	0:35	KWP	2.516	15.194	Oversupply
5/27/2018 1:53	0:42	KWP	3.180	15.886	Oversupply
5/27/2018 2:46	0:26	KWP	4.581	15.999	Oversupply
5/27/2018 2:51	0:17	AWE	1.469	21.000	Oversupply
5/27/2018 3:14	0:02	KWP	0.088	11.088	Oversupply
5/27/2018 3:49	0:01	KWP	0.003	3.590	Oversupply
5/27/2018 3:51	0:01	KWP	0.001	3.495	Oversupply
5/27/2018 3:53	0:05	AWE	0.090	18.400	Oversupply
5/27/2018 3:53	0:11	KWP	1.158	11.163	Oversupply
5/27/2018 4:07	0:37	KWP	3.731	16.047	Oversupply
5/27/2018 4:26	0:02	AWE	0.013	17.900	Oversupply
5/27/2018 8:24:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 8:24:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 8:24	0:00	SMRR	0.007	1.201	Oversupply
5/27/2018 8:25	0:01	KWP	0.010	8.752	Oversupply
5/27/2018 8:25	0:01	SMRR	0.044	0.025	Oversupply
5/27/2018 8:28:00	1:33	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 8:28:00	1:33	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 8:28	0:00	SMRR	0.003	1.377	Oversupply
5/27/2018 8:28	1:33	SMRR	3.050	0.027	Oversupply
5/27/2018 8:29	1:33	KWP	14.482	17.185	Oversupply
5/27/2018 8:34	0:43	AWE	1.633	20.300	Oversupply
5/27/2018 9:18	0:08	AWE	0.274	19.600	Oversupply
5/27/2018 9:30	0:02	AWE	0.032	13.200	Oversupply
5/27/2018 9:33	0:23	AWE	1.211	20.600	Oversupply
5/27/2018 10:04:00	0:16	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 10:04:00	0:16	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 10:04	0:16	KWP	1.340	8.762	Oversupply
5/27/2018 10:04	0:16	SMRR	0.653	-0.003	Oversupply
5/27/2018 10:14	0:02	AWE	0.011	19.800	Oversupply
5/27/2018 10:21	0:33	KWP	1.662	10.195	Oversupply
5/27/2018 10:21	0:00	SMRR	0.028	-0.003	Oversupply
5/27/2018 10:21	0:00	SMRR	0.028	-0.003	Oversupply
5/27/2018 10:22:00	0:32	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 10:22:00	0:32	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 10:22	0:31	SMRR	1.210	-0.003	Oversupply
5/27/2018 10:23	0:01	AWE	0.002	19.000	Oversupply
5/27/2018 10:46	0:01	AWE	0.005	19.400	Oversupply
5/27/2018 10:49	0:01	AWE	0.007	20.300	Oversupply
5/27/2018 10:54	0:00	SMRR	0.036	0.031	Oversupply

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/27/2018 10:54	0:00	SMRR	0.033	0.245	Oversupply
5/27/2018 10:55	0:00	SMRR	0.028	0.614	Oversupply
5/27/2018 10:56:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 10:56:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 10:56	0:03	SMRR	0.184	0.002	Oversupply
5/27/2018 10:57	0:03	KWPll	0.063	5.492	Oversupply
5/27/2018 11:00	0:00	SMRR	0.036	-0.003	Oversupply
5/27/2018 11:30	0:00	SMRR	0.014	1.712	Oversupply
5/27/2018 11:31	0:00	SMRR	0.024	0.611	Oversupply
5/27/2018 11:32	0:00	SMRR	0.024	0.683	Oversupply
5/27/2018 11:33:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 11:33:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 11:33	0:00	SMRR	0.033	0.293	Oversupply
5/27/2018 11:33	0:02	SMRR	0.103	0.026	Oversupply
5/27/2018 11:34	0:01	KWPll	0.005	3.977	Oversupply
5/27/2018 11:36:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 11:36:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 11:36	0:00	SMRR	0.037	-0.003	Oversupply
5/27/2018 11:36	0:00	SMRR	0.031	-0.003	Oversupply
5/27/2018 11:39	0:00	SMRR	0.037	-0.003	Oversupply
5/27/2018 11:39	0:00	SMRR	0.035	0.109	Oversupply
5/27/2018 11:40	0:00	SMRR	0.033	0.277	Oversupply
5/27/2018 11:41	0:00	SMRR	0.028	0.690	Oversupply
5/27/2018 11:42	0:00	SMRR	0.023	1.035	Oversupply
5/27/2018 11:43	0:00	SMRR	0.018	1.424	Oversupply
5/27/2018 11:43	0:00	SMRR	0.027	0.728	Oversupply
5/27/2018 11:44:00	0:13	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 11:44:00	0:13	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 11:44	0:14	KWPll	0.647	6.634	Oversupply
5/27/2018 11:44	0:13	SMRR	0.644	0.018	Oversupply
5/27/2018 11:58	0:00	SMRR	0.025	-0.004	Oversupply
5/27/2018 11:59:00	0:31	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 11:59:00	0:31	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 11:59	0:32	KWPll	5.143	13.107	Oversupply
5/27/2018 11:59	0:00	SMRR	0.022	-0.004	Oversupply
5/27/2018 11:59	0:31	SMRR	1.370	-0.004	Oversupply
5/27/2018 12:11	0:13	AWE	0.144	19.700	Oversupply
5/27/2018 12:31	0:00	SMRR	0.034	-0.004	Oversupply
5/27/2018 12:31	0:00	SMRR	0.033	-0.003	Oversupply
5/27/2018 12:32:00	0:44	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 12:32:00	0:44	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 12:32	0:00	SMRR	0.031	0.090	Oversupply
5/27/2018 12:33	0:45	KWPll	3.604	16.071	Oversupply
5/27/2018 12:33	0:43	SMRR	1.560	0.001	Oversupply
5/27/2018 12:51	0:01	AWE	0.005	18.400	Oversupply
5/27/2018 13:17	0:00	SMRR	0.025	0.053	Oversupply
5/27/2018 13:17	0:19	SMRR	0.759	0.039	Oversupply
5/27/2018 13:18:00	0:19	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 13:18:00	0:19	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 13:19	0:19	KWPll	1.062	17.447	Oversupply
5/27/2018 13:37	0:00	SMRR	0.027	0.007	Oversupply
5/27/2018 13:38	0:00	SMRR	0.025	0.112	Oversupply
5/27/2018 13:39	0:00	SMRR	0.024	0.227	Oversupply
5/27/2018 13:39	0:00	SMRR	0.016	0.744	Oversupply
5/27/2018 13:40:00	0:13	BS250	Data is not available	Data is not available	Oversupply
5/27/2018 13:40:00	0:13	ESA	Data is not available	Data is not available	Oversupply
5/27/2018 13:40	0:00	SMRR	0.017	0.591	Oversupply
5/27/2018 13:41	0:12	KWPll	0.498	18.688	Oversupply
5/27/2018 13:41	0:12	SMRR	0.327	0.010	Oversupply
5/27/2018 13:53	0:00	SMRR	0.015	0.286	Oversupply
5/28/2018 1:34	0:04	KWPll	0.089	15.944	Oversupply
5/28/2018 1:49	0:42	KWPll	6.094	19.177	Oversupply
5/28/2018 2:19	0:08	AWE	0.122	16.300	Oversupply
5/28/2018 2:33	2:18	KWPll	21.748	20.580	Oversupply
5/28/2018 4:41	0:02	AWE	0.014	21.000	Oversupply
5/28/2018 4:44	0:03	AWE	0.004	21.000	Oversupply
5/28/2018 4:53	0:42	KWPll	7.051	20.300	Oversupply
5/28/2018 11:59	0:00	SMRR	0.008	2.242	Oversupply
5/28/2018 12:00	0:00	SMRR	0.017	1.588	Oversupply
5/28/2018 12:01:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/28/2018 12:01:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/28/2018 12:01	0:00	SMRR	0.029	0.511	Oversupply
5/28/2018 12:02	0:00	SMRR	0.037	0.011	Oversupply
5/28/2018 12:02	0:00	SMRR	0.032	0.364	Oversupply
5/28/2018 12:03:00	0:09	BS250	Data is not available	Data is not available	Oversupply
5/28/2018 12:03:00	0:09	ESA	Data is not available	Data is not available	Oversupply
5/28/2018 12:03	0:10	KWPll	0.087	0.762	Oversupply
5/28/2018 12:03	0:09	SMRR	0.472	0.209	Oversupply
5/28/2018 12:04	0:08	AWE	0.214	21.000	Oversupply
5/28/2018 12:13	0:00	SMRR	0.031	0.413	Oversupply
5/28/2018 12:14	0:00	SMRR	0.021	1.195	Oversupply
5/28/2018 18:49	12:48	SMRR	0.594	0.008	Oversupply
5/28/2018 23:03	0:02	KWPll	0.046	6.245	Oversupply
5/28/2018 23:08	0:14	KWPll	0.587	12.906	Oversupply
5/29/2018 4:07	0:42	KWPll	4.876	15.286	Oversupply



Maui Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/29/2018 5:20	2:18	KWPPII	15.515	20.375	Oversupply
5/29/2018 5:29	0:04	KWP	0.043	17.987	Oversupply
5/29/2018 5:44:00	1:53	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 5:44:00	1:53	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 8:45:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 8:45:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 8:45	0:01	KWPPII	0.008	16.945	Oversupply
5/29/2018 8:45	0:01	SMRR	0.018	0.387	Oversupply
5/29/2018 8:50:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 8:50:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 8:50	0:01	KWPPII	0.042	16.486	Oversupply
5/29/2018 8:50	0:01	SMRR	0.017	0.606	Oversupply
5/29/2018 10:19	0:01	KWPPII	0.011	9.668	Oversupply
5/29/2018 10:19	0:00	SMRR	0.004	0.023	Oversupply
5/29/2018 10:31:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 10:31:00	0:05	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 10:31	0:05	KWPPII	0.338	18.647	Oversupply
5/29/2018 10:31	0:05	SMRR	0.033	0.013	Oversupply
5/29/2018 10:40:00	0:20	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 10:40:00	0:20	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 10:40	0:19	SMRR	0.222	0.284	Oversupply
5/29/2018 10:41	0:21	KWPPII	1.533	20.700	Oversupply
5/29/2018 11:01:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 11:01:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 11:01	0:00	SMRR	0.004	0.543	Oversupply
5/29/2018 11:02	0:00	SMRR	0.004	0.510	Oversupply
5/29/2018 11:02	0:01	SMRR	0.014	0.108	Oversupply
5/29/2018 11:06:00	0:29	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 11:06:00	0:29	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 11:06	0:00	SMRR	0.003	0.698	Oversupply
5/29/2018 11:06	0:07	SMRR	0.131	0.414	Oversupply
5/29/2018 11:07	0:07	KWPPII	0.212	20.450	Oversupply
5/29/2018 11:15	0:22	KWPPII	3.489	18.983	Oversupply
5/29/2018 11:15	0:20	SMRR	0.311	0.013	Oversupply
5/29/2018 11:36	0:00	SMRR	0.006	0.436	Oversupply
5/29/2018 11:37:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 11:37:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 11:41:00	0:40	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 11:41:00	0:40	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 11:41	0:39	SMRR	0.742	0.066	Oversupply
5/29/2018 11:42	0:39	KWPPII	4.805	20.253	Oversupply
5/29/2018 12:21	0:00	SMRR	0.009	0.014	Oversupply
5/29/2018 12:22:00	0:38	BS250	Data is not available	Data is not available	Oversupply
5/29/2018 12:22:00	0:38	ESA	Data is not available	Data is not available	Oversupply
5/29/2018 12:22	0:38	SMRR	0.573	0.316	Oversupply
5/29/2018 12:23	0:37	KWPPII	4.734	18.042	Oversupply
5/29/2018 21:39	0:04	KWPPII	0.145	16.724	Oversupply
5/29/2018 21:45	1:05	KWPPII	5.888	17.714	Oversupply
5/29/2018 23:03	0:36	KWPPII	1.558	17.714	Oversupply
5/29/2018 23:52	1:43	KWPPII	5.728	17.714	Oversupply
5/30/2018 2:01	1:47	KWPPII	3.734	17.714	Oversupply
5/30/2018 7:28	0:00	SMRR	0.002	0.753	Oversupply
5/30/2018 7:29:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 7:29:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 7:29	0:00	SMRR	0.011	0.021	Oversupply
5/30/2018 7:30	0:02	KWPPII	0.004	20.708	Oversupply
5/30/2018 7:30	0:00	SMRR	0.010	0.006	Oversupply
5/30/2018 7:30	0:00	SMRR	0.004	0.550	Oversupply
5/30/2018 7:31	0:00	SMRR	0.006	0.409	Oversupply
5/30/2018 7:32	0:00	SMRR	0.004	0.562	Oversupply
5/30/2018 7:33	0:00	SMRR	0.009	0.172	Oversupply
5/30/2018 7:33	0:03	SMRR	0.046	0.002	Oversupply
5/30/2018 7:35:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 7:35:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 7:36	0:00	SMRR	0.012	-0.003	Oversupply
5/30/2018 7:37	0:05	SMRR	0.086	-0.003	Oversupply
5/30/2018 7:38:00	0:05	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 7:38:00	0:05	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 7:40	0:04	KWPPII	0.032	20.708	Oversupply
5/30/2018 7:43	0:00	SMRR	0.013	-0.003	Oversupply
5/30/2018 7:43	0:00	SMRR	0.013	-0.003	Oversupply
5/30/2018 7:44:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 7:44:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 7:44	0:00	SMRR	0.013	-0.003	Oversupply
5/30/2018 7:45	0:00	SMRR	0.013	-0.003	Oversupply
5/30/2018 7:46	1:56	SMRR	2.974	-0.003	Oversupply
5/30/2018 7:47:00	1:55	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 7:47:00	1:55	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 7:48	1:55	KWPPII	15.871	20.708	Oversupply
5/30/2018 9:29	0:09	AWE	0.132	21.000	Oversupply
5/30/2018 9:42	0:00	SMRR	0.028	0.131	Oversupply
5/30/2018 9:43	0:00	SMRR	0.025	0.346	Oversupply
5/30/2018 9:43	0:06	SMRR	0.261	0.006	Oversupply
5/30/2018 9:44:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 9:44:00	0:04	ESA	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
5/30/2018 9:44	0:16	KWPII	4.622	19.211	Oversupply
5/30/2018 9:49:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 9:49:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 10:02	0:03	KWPII	0.835	17.709	Oversupply
5/30/2018 10:07	0:26	KWPII	7.488	19.210	Oversupply
5/30/2018 10:28:00	0:04	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 10:28:00	0:04	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 10:28	0:03	SMRR	0.132	2.199	Oversupply
5/30/2018 10:31	0:00	SMRR	0.032	-0.004	Oversupply
5/30/2018 10:32	0:00	SMRR	0.033	-0.004	Oversupply
5/30/2018 10:33	0:00	SMRR	0.033	-0.004	Oversupply
5/30/2018 10:34:00	0:30	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 10:34:00	0:30	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 10:34	0:29	SMRR	1.306	-0.004	Oversupply
5/30/2018 10:35	0:29	KWPII	8.885	19.211	Oversupply
5/30/2018 10:40	0:14	AWE	0.171	21.000	Oversupply
5/30/2018 10:56	0:02	AWE	0.011	21.000	Oversupply
5/30/2018 11:04	0:00	SMRR	0.035	-0.003	Oversupply
5/30/2018 11:05	0:36	SMRR	1.675	0.211	Oversupply
5/30/2018 11:06:00	1:50	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 11:06:00	1:50	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 11:06	1:30	KWPII	25.087	20.708	Oversupply
5/30/2018 11:11	0:02	AWE	0.003	21.000	Oversupply
5/30/2018 11:22	0:02	AWE	0.011	21.000	Oversupply
5/30/2018 11:26	0:01	AWE	0.001	21.000	Oversupply
5/30/2018 11:30	0:04	AWE	0.025	21.000	Oversupply
5/30/2018 11:42	0:00	SMRR	0.036	-0.004	Oversupply
5/30/2018 11:43	1:12	SMRR	3.456	-0.004	Oversupply
5/30/2018 12:12	0:01	AWE	0.001	21.000	Oversupply
5/30/2018 12:25	0:11	AWE	0.331	21.000	Oversupply
5/30/2018 12:37	0:07	AWE	0.067	21.000	Oversupply
5/30/2018 12:37	0:19	KWPII	6.284	20.561	Oversupply
5/30/2018 12:46	0:02	AWE	0.003	21.000	Oversupply
5/30/2018 12:50	0:02	AWE	0.016	21.000	Oversupply
5/30/2018 12:55	0:00	SMRR	0.037	-0.003	Oversupply
5/30/2018 12:56	0:00	SMRR	0.035	0.167	Oversupply
5/30/2018 12:57	0:00	SMRR	0.029	0.525	Oversupply
5/30/2018 12:57	1:25	SMRR	2.851	-0.008	Oversupply
5/30/2018 12:58:00	1:25	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 12:58:00	1:25	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 12:58	1:26	KWPII	18.265	20.682	Oversupply
5/30/2018 14:23	0:00	SMRR	0.031	0.093	Oversupply
5/30/2018 14:24	0:06	SMRR	0.123	0.242	Oversupply
5/30/2018 14:25:00	0:19	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 14:25:00	0:19	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 14:25	0:19	KWPII	0.602	20.372	Oversupply
5/30/2018 14:30	0:00	SMRR	0.015	-0.004	Oversupply
5/30/2018 14:31	0:12	SMRR	0.396	-0.001	Oversupply
5/30/2018 14:43	0:00	SMRR	0.023	0.070	Oversupply
5/30/2018 14:46	0:00	SMRR	0.009	0.605	Oversupply
5/30/2018 14:47	0:00	SMRR	0.010	0.488	Oversupply
5/30/2018 14:48	0:00	SMRR	0.016	0.019	Oversupply
5/30/2018 14:49	0:06	KWPII	0.056	19.691	Oversupply
5/30/2018 14:49	0:01	SMRR	0.035	0.013	Oversupply
5/30/2018 14:50:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 14:50:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 14:51	0:00	SMRR	0.015	-0.003	Oversupply
5/30/2018 14:51	0:02	SMRR	0.065	-0.003	Oversupply
5/30/2018 14:52:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 14:52:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 14:54	0:00	SMRR	0.035	-0.003	Oversupply
5/30/2018 14:54	0:00	SMRR	0.014	-0.003	Oversupply
5/30/2018 14:55	0:00	SMRR	0.012	0.189	Oversupply
5/30/2018 14:56	0:01	SMRR	0.028	0.041	Oversupply
5/30/2018 14:57:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/30/2018 14:57:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/30/2018 14:57	0:02	KWPII	0.029	19.434	Oversupply
5/30/2018 14:57	0:00	SMRR	0.014	0.000	Oversupply
5/30/2018 18:51	13:41	SMRR	1.870	0.000	Oversupply
5/30/2018 22:22	0:04	KWPII	0.055	20.048	Oversupply
5/30/2018 22:28	0:13	KWPII	0.552	20.098	Oversupply
5/30/2018 22:44	0:18	KWPII	0.606	19.477	Oversupply
5/30/2018 23:04	0:04	KWPII	0.040	17.315	Oversupply
5/30/2018 23:11	1:12	KWPII	7.495	19.271	Oversupply
5/31/2018 0:28	1:41	KWPII	11.175	19.197	Oversupply
5/31/2018 2:11	0:03	KWPII	0.074	18.689	Oversupply
5/31/2018 2:16	1:15	KWPII	18.775	19.211	Oversupply
5/31/2018 2:56	0:08	AWE	0.233	20.400	Oversupply
5/31/2018 3:09	0:01	AWE	0.005	18.100	Oversupply
5/31/2018 3:12	0:14	AWE	0.260	20.600	Oversupply
5/31/2018 3:33	5:00	KWPII	48.074	20.708	Oversupply
5/31/2018 5:44:00	2:49	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 5:44:00	2:49	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 8:32	0:00	SMRR	0.012	0.593	Oversupply
5/31/2018 9:22	0:00	SMRR	0.021	0.394	Oversupply



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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/31/2018 9:23	0:00	SMRR	0.019	0.593	Oversupply
5/31/2018 9:24	0:00	SMRR	0.002	1.840	Oversupply
5/31/2018 9:25	2:39	SMRR	6.552	0.011	Oversupply
5/31/2018 9:26:00	2:40	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 9:26:00	2:40	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 9:26	2:40	KWPPII	39.100	20.704	Oversupply
5/31/2018 11:20	0:02	AWE	0.029	20.000	Oversupply
5/31/2018 11:23	0:01	AWE	0.006	20.200	Oversupply
5/31/2018 11:27	0:34	AWE	2.385	20.800	Oversupply
5/31/2018 12:05	0:00	SMRR	0.035	0.101	Oversupply
5/31/2018 12:06	0:00	SMRR	0.026	0.829	Oversupply
5/31/2018 12:06	0:00	SMRR	0.025	0.952	Oversupply
5/31/2018 12:07	0:32	SMRR	1.530	0.294	Oversupply
5/31/2018 12:08:00	1:53	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 12:08:00	1:53	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 12:08	1:54	KWPPII	19.996	20.616	Oversupply
5/31/2018 12:27	0:01	AWE	0.009	20.400	Oversupply
5/31/2018 12:32	0:02	AWE	0.016	20.600	Oversupply
5/31/2018 12:39	1:21	SMRR	3.316	0.004	Oversupply
5/31/2018 14:00	0:01	SMRR	0.064	0.080	Oversupply
5/31/2018 14:02:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 14:02:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 14:02	0:00	SMRR	0.032	0.250	Oversupply
5/31/2018 14:03	0:06	KWPPII	0.126	20.088	Oversupply
5/31/2018 14:03	0:00	SMRR	0.035	0.004	Oversupply
5/31/2018 14:03	0:00	SMRR	0.034	0.069	Oversupply
5/31/2018 14:04	0:03	SMRR	0.141	0.031	Oversupply
5/31/2018 14:05:00	0:03	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 14:05:00	0:03	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 14:07	0:00	SMRR	0.034	0.202	Oversupply
5/31/2018 14:08	0:00	SMRR	0.026	0.786	Oversupply
5/31/2018 14:32	0:00	SMRR	0.017	1.358	Oversupply
5/31/2018 14:32	0:00	SMRR	0.012	1.742	Oversupply
5/31/2018 14:33	0:00	SMRR	0.010	1.842	Oversupply
5/31/2018 16:52:00	0:08	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 16:52:00	0:08	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 16:52	0:07	SMRR	0.068	0.031	Oversupply
5/31/2018 16:53	0:07	KWPPII	0.406	14.249	Oversupply
5/31/2018 17:02	0:00	SMRR	0.005	0.158	Oversupply
5/31/2018 17:03	0:16	SMRR	0.154	0.001	Oversupply
5/31/2018 17:04:00	0:16	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 17:04:00	0:16	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 17:04	0:17	KWPPII	0.830	17.534	Oversupply
5/31/2018 17:31:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 17:31:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 17:31	0:00	SMRR	0.008	0.025	Oversupply
5/31/2018 17:32	0:00	SMRR	0.001	0.500	Oversupply
5/31/2018 17:33:00	0:01	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 17:33:00	0:01	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 17:41	0:02	SMRR	0.017	0.008	Oversupply
5/31/2018 17:41:00	0:02	BS250	Data is not available	Data is not available	Oversupply
5/31/2018 17:41:00	0:02	ESA	Data is not available	Data is not available	Oversupply
5/31/2018 17:42	0:02	KWPPII	0.033	16.714	Oversupply
5/31/2018 22:22	0:03	KWPPII	0.009	20.676	Oversupply
5/31/2018 22:57	0:04	KWPPII	0.031	20.586	Oversupply
5/31/2018 23:03	0:02	KWPPII	0.029	19.361	Oversupply
5/31/2018 23:06	0:45	KWPPII	2.498	20.528	Oversupply
5/31/2018 23:53	0:02	KWPPII	0.018	19.182	Oversupply
Total Estimated Curtailed MWH			2,947.665		

Notes:

- Curtailment for Kaheawa Wind Power ("KWP"), Makila Hydroelectric ("MH"), AAAAA Rent-A-Space Maui LTD ("SA"), Bioreal Solar, LLC ("BS"), Auwahi Wind Energy ("AWE"), Kaheawa Wind Power II ("KWPPII") Bioreal Solar 250, LLC ("BS250"), Extra Spaces A ("ESA"), Extra Spaces B ("ESB"), and South Maui Renewable Resources ("SMRR") 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.
- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information provided by AWE, KWP, KWPPII, and SMRR. Maui Electric does not make any representation as to its accuracy.
- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by SA, BS, BS 250, ESA, ESB, or MH.
- Curtailment signals sent to SA, BS, BS250, ESA, ESB, or SMRR 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 HPUK Docket No. 2013-0141 Decoupling for HECO companies metrics.



Lanai Curtailment Report

May 2018

Start Date and Time	Duration	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
5/1/2018 7:15	0:04	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 7:25	0:02	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 7:37	0:11	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 7:50	0:06	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 7:57	0:04	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 8:25	0:12	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 9:29	0:59	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 10:29	1:28	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 11:58	2:13	LSR	Data is not available	Data is not available	Oversupply
5/1/2018 14:18	0:09	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 9:24	0:02	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 9:29	0:04	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 9:34	0:02	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 10:20	0:16	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 10:39	0:09	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 10:59	0:23	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 12:02	0:17	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 12:39	0:15	LSR	Data is not available	Data is not available	Oversupply
5/2/2018 15:57	0:13	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 8:57	0:16	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 9:15	0:11	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 12:04	0:03	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 12:17	0:09	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 12:33	0:05	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 12:54	0:01	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 13:01	0:01	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 13:06	0:01	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 13:08	0:49	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:17	0:01	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:21	0:10	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:33	0:02	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:36	0:04	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:42	0:01	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:46	0:06	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:53	0:04	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 15:58	0:10	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 16:09	0:04	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 16:17	0:03	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 16:22	0:27	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 16:53	0:03	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 17:24	0:04	LSR	Data is not available	Data is not available	Oversupply
5/3/2018 17:35	0:09	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 7:33	0:03	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 7:56	0:06	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 12:59	0:08	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 13:13	0:02	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 13:16	0:01	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 14:10	0:16	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 14:33	0:20	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 15:41	0:07	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 15:52	0:19	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 16:15	0:04	LSR	Data is not available	Data is not available	Oversupply
5/4/2018 16:22	0:12	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 6:33	1:01	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 7:36	0:15	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 8:04	0:01	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 8:06	0:16	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 8:30	0:01	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 8:34	0:08	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 9:06	0:25	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 9:32	0:38	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 11:40	0:01	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 12:02	0:02	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 12:08	0:05	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 12:38	1:14	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 14:27	0:14	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 14:44	0:06	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 14:51	1:21	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 16:18	0:10	LSR	Data is not available	Data is not available	Oversupply
5/5/2018 16:40	0:42	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 6:25	0:03	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 6:30	0:38	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 7:10	0:02	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 7:14	1:06	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 8:22	2:29	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 10:54	0:04	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 11:02	0:01	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 11:22	0:21	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 11:45	0:40	LSR	Data is not available	Data is not available	Oversupply
5/6/2018 12:27	5:23	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 7:00	0:02	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 7:03	0:01	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 7:07	0:02	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 7:19	0:01	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 8:11	0:01	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 8:17	0:05	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 8:28	0:05	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 8:40	0:02	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 15:21	0:10	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 15:55	0:07	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 16:06	0:02	LSR	Data is not available	Data is not available	Oversupply
5/7/2018 16:43	0:09	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 9:39	0:12	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 9:53	0:14	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 10:21	0:01	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 10:27	1:53	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 13:05	1:24	LSR	Data is not available	Data is not available	Oversupply
5/8/2018 15:09	0:22	LSR	Data is not available	Data is not available	Oversupply



Lanai Curtailment Report

Start Date and Time	Duration	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
5/9/2018 7:18	0:12	LSR	Data is not available	Data is not available	Oversupply
5/9/2018 7:33	0:05	LSR	Data is not available	Data is not available	Oversupply
5/9/2018 7:39	0:16	LSR	Data is not available	Data is not available	Oversupply
5/9/2018 8:01	0:05	LSR	Data is not available	Data is not available	Oversupply
5/13/2018 8:48	0:04	LSR	Data is not available	Data is not available	Oversupply
5/15/2018 16:29	0:07	LSR	Data is not available	Data is not available	Oversupply
5/15/2018 17:30	0:08	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 6:50	1:07	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 8:00	0:15	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 8:19	0:09	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 8:31	0:10	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 8:48	0:01	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 8:51	0:12	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 10:39	3:41	LSR	Data is not available	Data is not available	Oversupply
5/16/2018 14:22	1:16	LSR	Data is not available	Data is not available	Oversupply
5/20/2018 14:28	0:02	LSR	Data is not available	Data is not available	Oversupply
5/23/2018 17:37	0:02	LSR	Data is not available	Data is not available	Oversupply
5/23/2018 17:40	0:02	LSR	Data is not available	Data is not available	Oversupply
5/24/2018 10:48	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:10	0:01	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:18	0:01	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:20	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:24	0:03	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:32	0:01	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:38	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:42	0:01	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:45	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:53	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 7:56	0:02	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 8:11	0:01	LSR	Data is not available	Data is not available	Oversupply
5/28/2018 8:44	0:03	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 10:42	0:04	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 10:50	0:01	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 10:57	0:01	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 12:31	0:13	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 13:12	0:10	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 13:53	0:04	LSR	Data is not available	Data is not available	Oversupply
5/29/2018 14:23	0:06	LSR	Data is not available	Data is not available	Oversupply
5/30/2018 8:17	0:01	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:09	0:01	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:11	0:01	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:17	0:02	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:20	0:03	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:24	0:11	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:36	0:06	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 7:48	0:19	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 8:08	0:17	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 10:34	0:19	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 13:28	0:55	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 14:33	0:01	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 14:42	0:25	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 15:08	0:08	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 15:18	1:03	LSR	Data is not available	Data is not available	Oversupply
5/31/2018 16:35	0:04	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 operate at the allowed capacity of 1.2 MW while the Maui Electric-Lanai Diesel Operator was in the control room.
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 curtailment set point.
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.

Hawai'i Electric Light Company Curtailment Report May 2018

Start Date/Time	MW Output Prior to Start of Curtailment	End Date/Time	MW Output After Curtailment Released ¹	IPP	Reason for Curtailment
05/15/18 11:03	4.8 MW	05/15/18 13:18	1.9 MW	Hawi Renewable Develop	System constraint
05/16/18 01:22	16.9 MW	05/16/18 08:26	5.0 MW	Pakini Nui Windfarm	System constraint
05/17/18 07:27	18.7 MW	05/17/18 08:19	18.7 MW	Pakini Nui Windfarm	System constraint
05/17/18 08:36	18.7 MW	05/17/18 12:14	18.4 MW	Pakini Nui Windfarm	System constraint
05/17/18 09:57	6.3 MW	05/17/18 16:07	4.3 MW	Hawi Renewable Develop	System constraint
05/22/18 17:29	0.0 MW	05/22/18 18:15	7.4 MW	Hawi Renewable Develop	System constraint
05/24/18 09:33	1.0 MW	05/24/18 20:35	0.0 MW	TGUHI 1	System constraint
05/24/18 18:22	0.0 MW	05/30/18 10:49	4.6 MW	Hawi Renewable Develop	System constraint
05/30/18 07:34	19.9 MW	05/30/18 14:39	19.6 MW	Pakini Nui Windfarm	Facility requested

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.

SERVICE LIST
(Docket No. 2011-0206)

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