



July 21, 2023

The Honorable Chair and Members  
of the Hawai'i Public Utilities Commission  
Kekuanao'a Building, First Floor  
465 South King Street  
Honolulu, Hawai'i 96813

Dear Commissioners:

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

In accordance with Ordering Paragraph 3 of Order No. 30371, filed May 4, 2012 in the subject proceeding, enclosed as Exhibit A is Hawaiian Electric's<sup>1</sup> monthly report for June 2023 on: (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

Any party to this proceeding may obtain an electronic copy of this report by emailing Michael Chu at [michael.chu@hawaiianelectric.com](mailto:michael.chu@hawaiianelectric.com).

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura  
Director, Regulatory Non-Rate Proceedings

Enclosures

c: Service List

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<sup>1</sup> Hawaiian Electric Company, Inc., Maui Electric Company, Limited, and Hawai'i Electric Light Company, Inc. are each doing business as "Hawaiian Electric" and have jointly registered "Hawaiian Electric" as a trade name with the State of Hawai'i Department of Commerce and Consumer Affairs, as evidenced by Certificate of Registration No. 4235929, dated December 20, 2019.

**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 December 31, 2022):

**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 Company, Inc., Maui Electric Company, Limited (Maui Division) and Hawai'i Electric Light Company, Inc. 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 Company, Inc., Maui Electric Company, Limited (Maui Division) and Hawai'i Electric Light Company, Inc 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 December 31, 2022):

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

Hawaiian Electric Company, Inc.'s contingency reserve activations are provided in Attachment 3. Maui Electric Company, Limited and Hawai'i Electric Light Company, Inc. do not operate with contingency reserve requirements.

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

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

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

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

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

The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending December 31, 2022):

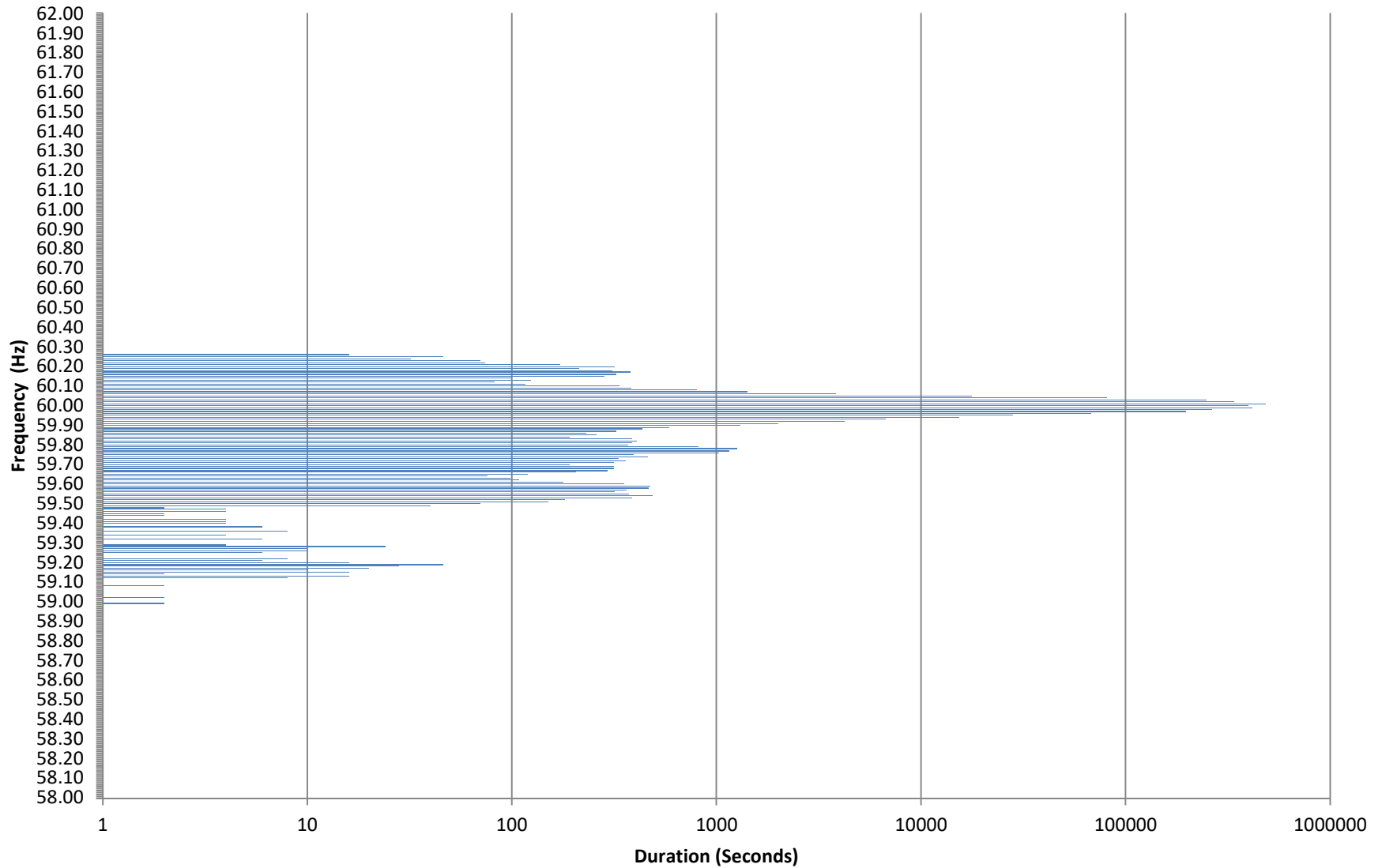
**3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:**

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

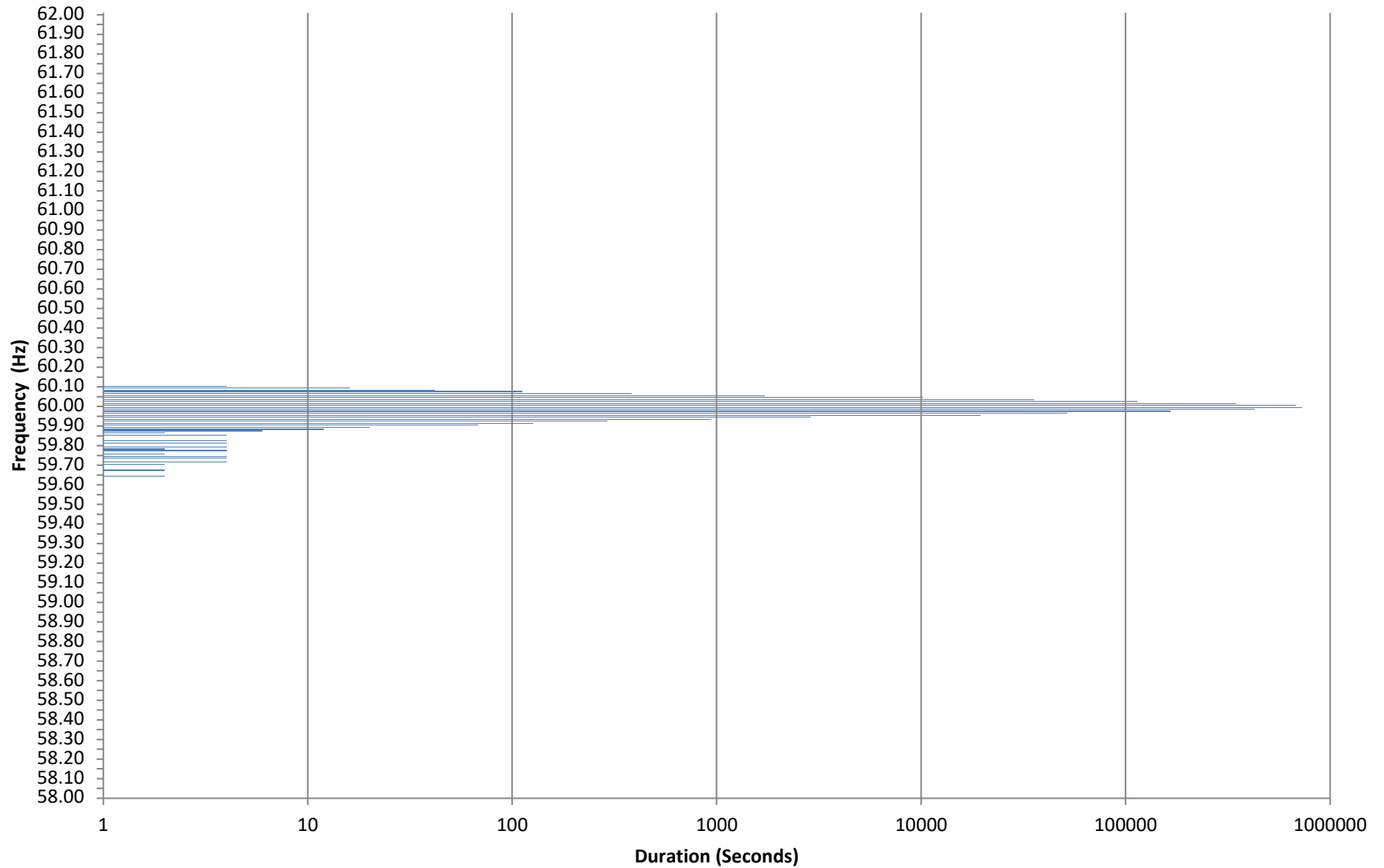
**3b) Total MWh of non-dispatchable renewable resources curtailed for the month:**

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 Company does 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.

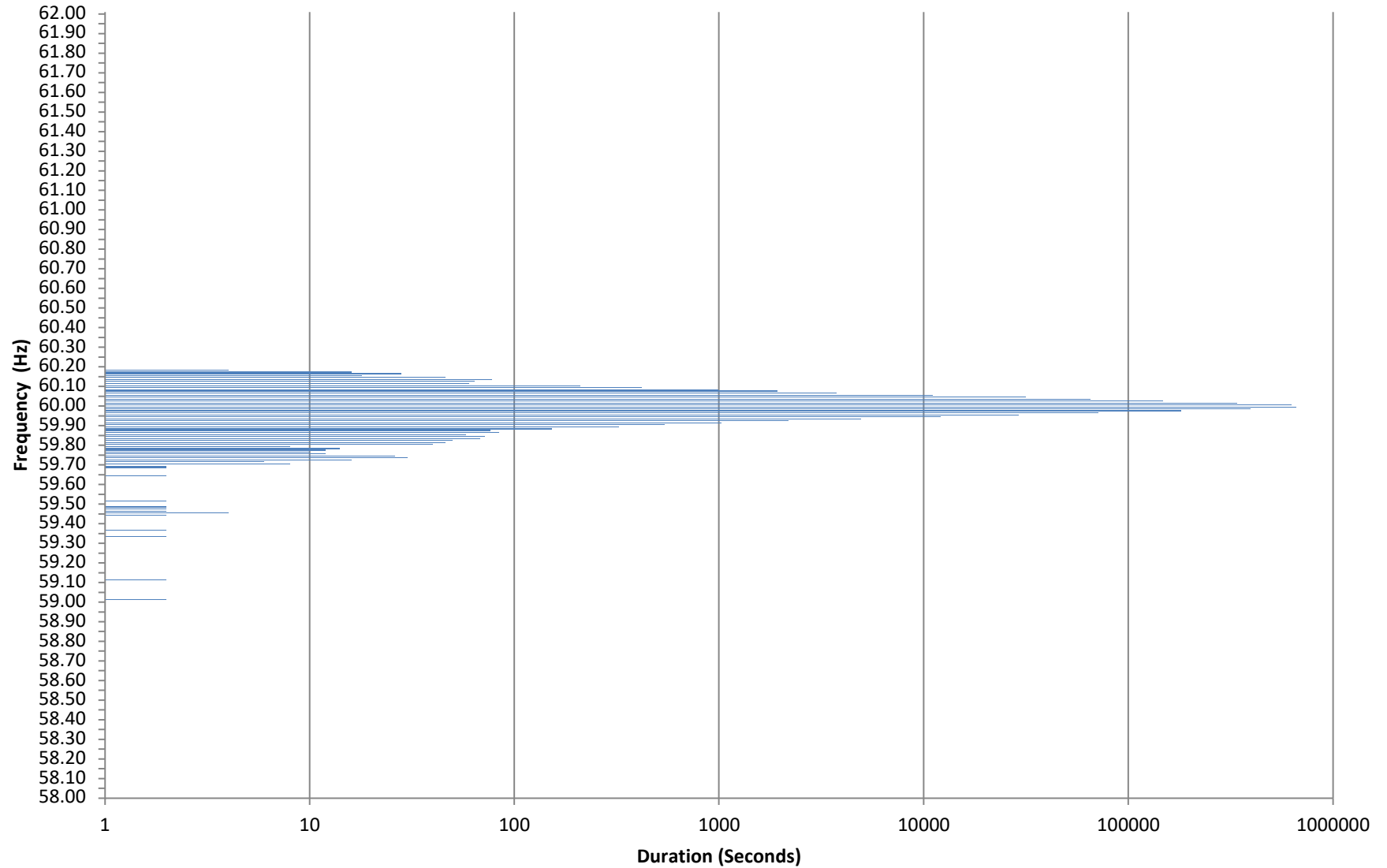
### Frequency Distribution Plot - Hawaiian Electric June 2023



## Frequency Distribution Plot - Hawai'i Island June 2023



## Frequency Distribution Plot - Maui Electric Company, Limited June 2023



Hawaiian Electric Frequency Excursion Statistics June 2023		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	4000	1343
Maximum Duration (sec)	12848	2748
Maximum Deviation (Hz)	58.989	60.263
Total Duration of Excursions (sec)	54880	13362



Hawai'i Island Frequency Excursion Statistics June 2023		
	<59.95 Hz	>60.05 Hz
Number of Excursions	2874	229
Maximum Duration (sec)	84	68
Maximum Deviation (Hz)	59.637	60.096
Total Duration of Excursions (sec)	13464	1018

Maui Electric Company, Limited Frequency Excursion Statistics June 2023		
	<59.95 Hz	>60.05 Hz
Number of Excursions	9431	785
Maximum Duration (sec)	486	400
Maximum Deviation (Hz)	59.007	60.177
Total Duration of Excursions (sec)	51110	7608





HAWAIIAN ELECTRIC COMPANY, INC.  
DEMAND RESPONSE EVENTS  
June 2023

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	6/11/2023 15:29	60.10	58.99	59.70	NA	0:09	Kahe 6 tripped offline while generating ~103 MW. RDLC/CIDLC activated.
2	6/28/2023 9:00	60.10	59.62	59.70	NA	0:00	KES decreased output from ~70 MW to 5 MW during testing.

Hawaiian Electric Company, Inc. Curtailment Report June 2023

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/Facility	Reason for Curtailment
06/02/23 13:06	0.0	19.00	06/02/23 15:15	0	*	KSMakai	Oversupply
06/02/23 13:06	0.0	23.20	06/02/23 15:15	0	*	KSMauka	Oversupply
06/06/23 13:16	0.0	18.50	06/06/23 16:01	0	*	KSMakai	Oversupply
06/06/23 13:16	0.0	25.00	06/06/23 16:01	0	*	KSMauka	Oversupply
06/09/23 12:27	0.0	22.00	06/09/23 13:02	0	*	KSMauka	Oversupply
06/09/23 12:28	0.0	15.80	06/09/23 13:02	0	*	KSMakai	Oversupply
06/11/23 09:24	0.0	20.30	06/11/23 15:29	0	*	KSMauka	Oversupply
06/11/23 09:25	0.0	18.00	06/11/23 15:29	0	*	KSMakai	Oversupply
06/11/23 10:28	0.0	2.10	06/11/23 15:23	0	*	Aloha2	Oversupply
06/11/23 10:29	0.0	3.10	06/11/23 15:22	0	*	MFO	Oversupply
06/11/23 10:29	0.0	19.80	06/11/23 15:22	0	*	NPM	Oversupply
06/13/23 06:34	0.0	4.70	06/13/23 15:46	0	*	NPM	System Constraints
06/14/23 06:38	0.0	12.50	06/14/23 14:43	0	*	NPM	System Constraints
06/14/23 10:08	0.0	0.90	06/14/23 10:13	0	*	Aloha1	System Constraints
06/15/23 05:34	0.0	7.40	06/15/23 16:26	0	*	NPM	System Constraints
06/16/23 12:37	0.0	17.20	06/16/23 15:08	0	*	KSMakai	Oversupply
06/16/23 12:37	0.0	21.70	06/16/23 15:09	0	*	KSMauka	Oversupply
06/16/23 12:39	0.0	2.90	06/16/23 14:24	0	*	Aloha2	Oversupply
06/16/23 12:41	0.0	2.70	06/16/23 14:23	0	*	MFO	Oversupply
06/16/23 12:42	0.0	19.90	06/16/23 14:20	0	*	NPM	Oversupply
06/17/23 06:09	0.0	0.00	06/17/23 09:59	0	*	KREP	System Constraints
06/17/23 06:10	0.0	0.00	06/17/23 10:00	0	22.75	WestL	System Constraints
06/17/23 09:30	0.0	1.60	06/17/23 10:00	0	*	Aloha2	System Constraints
06/17/23 11:48	0.0	17.40	06/17/23 15:41	0	*	KSMakai	Oversupply
06/17/23 11:48	0.0	23.90	06/17/23 15:40	0	*	KSMauka	Oversupply
06/17/23 12:14	0.0	0.00	06/17/23 15:47	0	*	Aloha2	Oversupply
06/17/23 12:15	0.0	3.20	06/17/23 15:38	0	*	MFO	Oversupply
06/17/23 12:15	0.0	14.00	06/17/23 15:36	0	*	NPM	Oversupply
06/17/23 12:55	0.0	14.70	06/17/23 15:31	0	*	Lani	Oversupply
06/17/23 12:55	0.0	44.90	06/17/23 15:29	0	*	Waipio	Oversupply
06/17/23 13:47	0.0	19.90	06/17/23 15:56	0	34.17	WestL	Oversupply
06/17/23 14:43	0.0	2.40	06/17/23 15:55	0	*	KREP	System Constraints
06/17/23 16:29	44.7	43.30	06/17/23 17:29	30.10	*	Waipio	Oversupply
06/17/23 17:29	40.1	30.10	06/17/23 18:29	7.90	*	Waipio	Oversupply
06/17/23 18:29	20.4	7.90	06/17/23 19:29	0.40	*	Waipio	Oversupply
06/17/23 19:29	0.0	0.40	06/18/23 06:29	0.00	*	Waipio	Oversupply
06/18/23 06:29	1.4	0.00	06/18/23 07:29	19.30	*	Waipio	Oversupply
06/18/23 07:29	35.2	19.30	06/18/23 08:29	35.30	*	Waipio	Oversupply
06/18/23 08:29	38.0	35.30	06/18/23 09:29	45.10	*	Waipio	Oversupply
06/18/23 09:29	45.3	45.10	06/18/23 10:29	44.90	*	Waipio	Oversupply
06/18/23 10:29	45.2	44.90	06/18/23 15:29	44.70	*	Waipio	Oversupply
06/18/23 11:55	0.0	11.10	06/18/23 14:46	0	*	KSMakai	Oversupply
06/18/23 11:55	0.0	15.40	06/18/23 14:45	0	*	KSMauka	Oversupply
06/18/23 15:29	45.1	44.70	06/18/23 16:29	43.70	*	Waipio	Oversupply
06/18/23 16:29	44.8	43.70	06/18/23 17:29	30.10	*	Waipio	Oversupply
06/18/23 17:29	40.1	30.10	06/18/23 18:29	8.10	*	Waipio	Oversupply
06/18/23 18:29	20.8	8.10	06/18/23 19:29	0.40	*	Waipio	Oversupply
06/18/23 19:29	0.0	0.40	06/19/23 06:29	1.10	*	Waipio	Oversupply
06/19/23 06:29	2.3	1.10	06/19/23 07:29	21.90	*	Waipio	Oversupply
06/19/23 07:29	34.2	21.90	06/19/23 08:29	26.40	*	Waipio	Oversupply
06/19/23 08:29	39.2	26.40	06/19/23 09:29	45.10	*	Waipio	Oversupply
06/19/23 09:29	45.2	45.10	06/19/23 10:29	39.70	*	Waipio	Oversupply
06/19/23 10:29	43.9	39.70	06/19/23 11:29	45.10	*	Waipio	Oversupply
06/19/23 11:29	45.2	45.10	06/19/23 15:39	44.90	*	Waipio	Oversupply
06/19/23 13:08	0.0	16.80	06/19/23 14:23	0	*	KSMakai	Oversupply
06/19/23 13:08	0.0	26.70	06/19/23 14:23	0	*	KSMauka	Oversupply
06/19/23 15:39	45.1	44.90	06/19/23 16:39	41.40	*	Waipio	Oversupply
06/19/23 16:39	44.4	41.40	06/19/23 17:39	26.60	*	Waipio	Oversupply
06/19/23 17:39	38.2	26.60	06/19/23 18:39	5.00	*	Waipio	Oversupply
06/19/23 18:39	14.2	5.00	06/19/23 19:39	0.40	*	Waipio	Oversupply

Hawaiian Electric Company, Inc. Curtailment Report June 2023

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/Facility	Reason for Curtailment
06/19/23 19:39	0.0	0.40	06/20/23 06:39	4.10	*	Waipio	Oversupply
06/20/23 06:39	14.2	4.10	06/20/23 07:39	20.00	*	Waipio	Oversupply
06/20/23 07:39	35.1	20.00	06/20/23 08:39	44.40	*	Waipio	Oversupply
06/20/23 08:39	44.5	44.40	06/20/23 09:39	33.60	*	Waipio	Oversupply
06/20/23 09:39	42.3	33.60	06/20/23 10:39	44.90	*	Waipio	Oversupply
06/20/23 10:39	45.2	44.90	06/20/23 13:39	44.70	*	Waipio	Oversupply
06/20/23 11:45	0.0	5.60	06/20/23 12:24	0	*	KWF	Facility Requested
06/20/23 12:28	0.0	13.70	06/20/23 13:38	0	*	KSMakai	Oversupply
06/20/23 12:28	0.0	26.90	06/20/23 13:38	0	*	KSMauka	Oversupply
06/20/23 13:39	45.1	44.70	06/20/23 14:39	44.70	*	Waipio	Oversupply
06/20/23 14:39	45.0	44.70	06/20/23 15:39	44.70	*	Waipio	Oversupply
06/20/23 15:39	45.1	44.70	06/20/23 16:39	25.20	*	Waipio	Oversupply
06/20/23 16:39	37.8	25.20	06/20/23 17:39	23.80	*	Waipio	Oversupply
06/20/23 17:39	37.2	23.80	06/20/23 18:39	2.90	*	Waipio	Oversupply
06/20/23 18:39	9.3	2.90	06/20/23 19:39	0.60	*	Waipio	Oversupply
06/20/23 19:39	0.0	0.60	06/21/23 07:39	24.50	*	Waipio	Oversupply
06/21/23 06:29	0.0	0.60	06/21/23 16:59	0	*	Waianae	System Constraints
06/21/23 06:42	0.0	0.10	06/21/23 07:32	0	*	Aloha1	System Constraints
06/21/23 07:39	37.5	24.50	06/21/23 09:39	42.30	*	Waipio	Oversupply
06/21/23 09:39	44.2	42.30	06/21/23 10:39	27.30	*	Waipio	Oversupply
06/21/23 10:39	39.3	27.30	06/21/23 11:39	26.80	*	Waipio	Oversupply
06/21/23 11:39	39.6	26.80	06/21/23 12:39	36.90	*	Waipio	Oversupply
06/21/23 12:39	29.2	36.90	06/21/23 13:39	8.10	*	Waipio	Oversupply
06/21/23 13:39	21.6	8.10	06/21/23 14:39	44.70	*	Waipio	Oversupply
06/21/23 14:39	45.1	44.70	06/21/23 15:39	38.30	*	Waipio	Oversupply
06/21/23 15:39	43.1	38.30	06/21/23 16:39	8.80	*	Waipio	Oversupply
06/21/23 16:07	0.0	2.60	06/21/23 17:07	0	*	Aloha1	System Constraints
06/21/23 16:39	22.0	8.80	06/21/23 17:39	13.70	*	Waipio	Oversupply
06/21/23 17:39	28.4	13.70	06/21/23 18:39	2.00	*	Waipio	Oversupply
06/21/23 18:39	5.6	2.00	06/21/23 19:39	0.60	*	Waipio	Oversupply
06/21/23 19:39	0.0	0.60	06/22/23 06:39	1.30	*	Waipio	Oversupply
06/22/23 06:39	4.8	1.30	06/22/23 07:39	2.50	*	Waipio	Oversupply
06/22/23 07:39	7.1	2.50	06/22/23 08:39	22.60	*	Waipio	Oversupply
06/22/23 08:39	36.2	22.60	06/22/23 09:39	10.40	*	Waipio	Oversupply
06/22/23 09:39	24.5	10.40	06/22/23 10:39	16.30	*	Waipio	Oversupply
06/22/23 10:39	29.9	16.30	06/22/23 11:39	11.40	*	Waipio	Oversupply
06/22/23 11:39	26.7	11.40	06/22/23 12:39	15.10	*	Waipio	Oversupply
06/22/23 12:39	30.4	15.10	06/22/23 14:39	0.00	*	Waipio	Oversupply
06/22/23 14:39	0.0	0.00	06/22/23 14:41	25.20	*	Waipio	Oversupply
06/22/23 15:39	38.5	25.20	06/22/23 16:39	12.80	*	Waipio	Oversupply
06/22/23 16:39	29.7	12.80	06/22/23 17:39	19.60	*	Waipio	Oversupply
06/22/23 17:39	35.2	19.60	06/22/23 18:39	1.30	*	Waipio	Oversupply
06/22/23 18:39	4.8	1.30	06/22/23 19:39	0.00	*	Waipio	Oversupply
06/22/23 19:39	0.0	0.00	06/22/23 23:02	0.00	*	Waipio	Oversupply
06/22/23 23:39	0.0	0.00	06/23/23 01:07	0.00	*	Waipio	Oversupply
06/23/23 01:39	0.0	0.00	06/23/23 02:57	0.00	*	Waipio	Oversupply
06/23/23 03:39	0.0	0.00	06/23/23 05:22	0.00	*	Waipio	Oversupply
06/23/23 05:39	0.0	0.00	06/23/23 06:37	0.00	*	Waipio	Oversupply
06/23/23 06:39	1.4	0.00	06/23/23 06:45	0	*	Waipio	Oversupply
06/25/23 04:53	0.0	0.00	06/25/23 04:56	0	*	KLS2	System Constraints
06/25/23 12:16	0.0	10.90	06/25/23 15:39	0	*	KSMakai	Oversupply
06/25/23 12:16	0.0	12.50	06/25/23 15:39	0	*	KSMauka	Oversupply
06/25/23 12:17	0.0	2.10	06/25/23 15:30	0	*	Aloha2	Oversupply
06/25/23 12:18	0.0	1.20	06/25/23 15:29	0	*	MFO	Oversupply
06/25/23 12:18	0.0	23.40	06/25/23 15:25	0	*	NPM	Oversupply
06/25/23 13:04	0.0	4.70	06/25/23 14:20	0	*	KLS2	System Constraints
06/27/23 05:54	0.0	23.80	06/27/23 13:00	0	*	NPM	System Constraints
06/28/23 06:16	0.0	17.50	06/28/23 13:46	0	*	NPM	System Constraints
06/28/23 13:22	0.0	13.30	06/28/23 14:35	0	*	KSMakai	Oversupply
06/28/23 13:22	0.0	19.40	06/28/23 14:35	0	*	KSMauka	Oversupply
06/29/23 06:12	0.0	0.00	06/29/23 07:49	0	*	Aloha2	System Constraints
06/29/23 06:34	0.0	8.40	06/29/23 15:03	0	*	NPM	System Constraints
06/29/23 14:47	0.0	3.30	06/29/23 17:46	0	*	Aloha2	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report June 2023

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/Facility	Reason for Curtailment
06/30/23 06:45	0.0	0.20	06/30/23 07:02	0	*	Aloha2	System Constraints
06/30/23 07:36	0.0	11.60	06/30/23 07:53	0	*	Waianae	System Constraints
06/30/23 14:05	0.0	17.40	06/30/23 14:30	0	*	Waianae	System Constraints
06/30/23 14:43	0.0	1.50	06/30/23 15:51	0	*	Aloha2	System Constraints

Aloha1 = Aloha Solar Energy Fund I  
Aloha2 = Aloha Solar Energy Fund II  
KLS2 = Kalaeloa Solar Two  
KREP = Kalaeloa Renewable Energy Partners  
Kahuku WF = Kahuku Wind Power  
Lani = Lanikuhana Solar  
MFO = Mauka FIT One Solar  
NPM = Na Pua Makani Power Partners  
KSMakai = Kawaiiloa Solar Makai  
KSMauka = Kawaiiloa Solar Mauka  
KWMakai = Kawaiiloa Wind Makai  
KWMauka = Kawaiiloa Wind Mauka  
WAIH N = Waihonu North  
WAIH S = Waihonu South  
Waianae = EE Waianae Solar Project  
Waipio PV = Waipio PV  
WestL = West Loch PV

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

\* Data has not been provided by IPP.



Hawai'i Electric Light Company Curtailment Report June 2023

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released <sup>1</sup>	IPP	Reason for Curtailment
06/03/23 11:36	0.7 MW	06/03/23 14:21	0.0 MW	TGUHI	Oversupply
06/03/23 11:36	0.0 MW	06/03/23 14:17	0.0 MW	West Hawaii Civic Center	Oversupply
06/03/23 11:37	18.9 MW	06/03/23 14:12	17.9 MW	Pakini Nui	Oversupply
06/20/23 08:47	13.3 MW	06/20/23 09:16	10.5 MW	Pakini Nui	System Constraint
06/20/23 13:04	18.5 MW	06/20/23 13:58	14.8 MW	Pakini Nui	System Constraint
06/21/23 08:03	19.0 MW	06/21/23 08:30	12.9 MW	Pakini Nui	System Constraint
06/21/23 12:06	19.1 MW	06/21/23 12:49	11.6 MW	Pakini Nui	System Constraint
06/24/23 10:52	0.9 MW	06/24/23 12:11	0.0 MW	TGUHI	Oversupply
06/29/23 07:53	18.6 MW	06/29/23 12:53	7.0 MW	Pakini Nui	Facility Requested

<sup>1</sup> 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, Wailuku, and FIT Facilities may take longer to return to scheduled or full available output levels.



Start Date and Time	Duration (h:mm)	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
No curtailment for June 2023					
<b>Notes:</b>					
On June 27, 2012, Maui Electric notified Lanai Sustainability Research (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 70 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.					
Facility Requested curtailment includes but is not limited to conditions that are attributed to IPPs such as communication problems and curtailment control testing.					



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/1/2023 2:56	0:01	KWPIL	0.00075	0.04491	Oversupply
6/1/2023 3:31	0:01	KWPIL	0.02378	7.75112	Oversupply
6/1/2023 3:33	0:06	KWPIL	0.33949	13.17600	Oversupply
6/1/2023 6:45	0:10	17-2	0.01210	0.09800	Oversupply
6/1/2023 6:45	0:02	SSA3	0.01138	0.27000	Oversupply
6/1/2023 6:46	0:08	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 6:47	0:08	SSA3	0.04545	0.00500	Oversupply
6/1/2023 6:48	0:07	KWPIL	0.51832	16.25569	Oversupply
6/1/2023 6:57	0:02	SSA3	0.01148	0.22400	Oversupply
6/1/2023 6:58	0:09	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 6:58	0:11	17-2	0.01278	0.08700	Oversupply
6/1/2023 6:59	0:10	SSA3	0.05030	0.00600	Oversupply
6/1/2023 7:00	0:08	KWPIL	0.30038	16.11099	Oversupply
6/1/2023 7:15	0:02	SSA3	0.00789	0.27900	Oversupply
6/1/2023 7:17	0:01	17-2	0.00125	0.07500	Oversupply
6/1/2023 7:19	0:02	SSA3	0.00789	0.00500	Oversupply
6/1/2023 7:20	0:01	17-2	0.00208	0.12500	Oversupply
6/1/2023 7:26	0:01	17-2	0.00177	0.10600	Oversupply
6/1/2023 7:29	0:14	SSA3	0.13026	0.31300	Oversupply
6/1/2023 7:31	0:13	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 7:31	0:13	17-2	0.02947	0.18100	Oversupply
6/1/2023 7:31	0:13	KWPIL	0.46743	10.15120	Oversupply
6/1/2023 7:58	0:02	SSA3	0.01286	0.80600	Oversupply
6/1/2023 7:59	0:02	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 7:59	0:03	17-2	0.00835	0.19400	Oversupply
6/1/2023 8:00	0:01	KWPIL	0.00927	6.94477	Oversupply
6/1/2023 8:00	0:02	SSA3	0.01246	0.01000	Oversupply
6/1/2023 8:40	0:02	SSA3	0.02164	1.15600	Oversupply
6/1/2023 8:41	1:44	17-2	0.64430	0.75000	Oversupply
6/1/2023 8:42	1:41	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 8:42	1:41	SSA3	2.69436	0.24200	Oversupply
6/1/2023 8:43	0:39	AWE	2.74403	19.10000	Oversupply
6/1/2023 8:43	1:40	KWPIL	5.28707	6.51365	System Constraint
6/1/2023 9:24	0:07	AWE	0.24727	12.70000	Oversupply
6/1/2023 9:38	0:20	AWE	0.71021	13.80000	Oversupply
6/1/2023 10:02	0:01	AWE	0.02296	15.50000	Oversupply
6/1/2023 10:04	0:07	AWE	0.19900	16.70000	Oversupply
6/1/2023 10:14	0:01	AWE	0.00044	15.10000	Oversupply
6/1/2023 10:19	0:01	AWE	0.00225	16.40000	Oversupply
6/1/2023 10:29	0:02	17-2	0.00732	0.22700	Oversupply
6/1/2023 10:30	0:02	SSA3	0.02575	1.12900	Oversupply
6/1/2023 10:34	0:02	SSA3	0.02417	1.01000	Oversupply
6/1/2023 10:35	0:03	17-2	0.01751	0.46600	Oversupply
6/1/2023 10:36	0:02	SSA3	0.02377	0.93100	Oversupply
6/1/2023 10:40	2:43	17-2	0.98197	0.75000	Oversupply
6/1/2023 10:40	0:02	SSA3	0.02397	0.51500	Oversupply
6/1/2023 10:41	0:03	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 10:42	0:05	KWPIL	0.08858	4.44589	System Constraint
6/1/2023 10:42	0:02	SSA3	0.02397	0.00400	Oversupply
6/1/2023 10:44	0:02	SSA3	0.03766	0.03300	Oversupply
6/1/2023 10:45	0:01	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 10:46	0:02	SSA3	0.06128	0.45800	Oversupply
6/1/2023 10:48	2:21	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 10:48	2:18	KWPIL	6.98850	6.23622	System Constraint
6/1/2023 10:48	2:21	SSA3	4.12404	0.00400	Oversupply
6/1/2023 10:52	0:08	AWE	0.24955	20.60000	Oversupply
6/1/2023 11:05	0:01	AWE	0.01107	20.80000	Oversupply
6/1/2023 11:07	0:43	AWE	3.96628	21.00000	Oversupply
6/1/2023 11:51	1:19	AWE	10.29017	21.00000	Oversupply
6/1/2023 13:09	0:02	SSA3	0.05184	0.65800	Oversupply
6/1/2023 13:11	0:02	SSA3	0.05184	0.56600	Oversupply
6/1/2023 13:13	0:04	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 13:13	0:05	AWE	0.03838	21.00000	Oversupply
6/1/2023 13:13	0:04	SSA3	0.06811	0.00600	Oversupply
6/1/2023 13:17	0:02	SSA3	0.02354	0.66600	Oversupply
6/1/2023 13:19	0:02	SSA3	0.02354	0.79000	Oversupply
6/1/2023 13:21	0:02	SSA3	0.02374	1.21200	Oversupply
6/1/2023 13:56	0:02	SSA3	0.01083	0.52500	Oversupply
6/1/2023 13:57	0:06	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 13:57	0:06	KWPIL	0.09239	2.64059	System Constraint
6/1/2023 13:57	2:14	17-2	0.42645	0.54200	Oversupply
6/1/2023 13:58	0:04	SSA3	0.03439	0.01300	Oversupply
6/1/2023 13:59	0:02	AWE	0.00918	21.00000	Oversupply
6/1/2023 14:02	0:02	SSA3	0.02054	0.13400	Oversupply
6/1/2023 14:04	2:06	BS250	Data is not available	Data is not available	Oversupply
6/1/2023 14:04	2:07	SSA3	1.16129	0.00100	Oversupply
6/1/2023 14:05	0:03	KWPIL	0.08033	2.83519	System Constraint



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/1/2023 14:06	0:02	AWE	0.00547	21.00000	Oversupply
6/1/2023 14:09	2:02	KWPPII	11.48621	10.57034	System Constraint
6/1/2023 14:11	0:01	AWE	0.00457	21.00000	Oversupply
6/1/2023 14:13	0:12	AWE	0.33099	20.40000	Oversupply
6/1/2023 14:32	1:39	AWE	10.10699	20.00000	Oversupply
6/2/2023 0:08	0:02	KWPPII	0.00750	19.72658	Oversupply
6/2/2023 1:16	0:01	KWPPII	0.00038	14.78970	Oversupply
6/2/2023 1:48	0:04	KWPPII	0.05814	16.83650	Oversupply
6/2/2023 1:53	0:01	KWPPII	0.00725	15.47928	Oversupply
6/2/2023 1:55	0:10	KWPPII	0.23350	16.69479	Oversupply
6/2/2023 2:11	0:08	KWPPII	0.16078	16.25170	Oversupply
6/2/2023 2:20	0:01	KWPPII	0.01656	15.27071	Oversupply
6/2/2023 2:43	0:02	KWPPII	0.01643	16.22176	Oversupply
6/2/2023 3:05	0:01	KWPPII	0.00673	16.29062	Oversupply
6/2/2023 3:19	0:01	AWE	0.00333	0.20000	Oversupply
6/2/2023 3:43	0:01	KWPPII	0.01107	18.95017	Oversupply
6/2/2023 7:52	0:02	BS250	Data is not available	Data is not available	Oversupply
6/2/2023 7:52	0:11	17-2	0.02795	0.18900	Oversupply
6/2/2023 7:52	0:02	SSA3	0.01532	0.00600	Oversupply
6/2/2023 7:53	0:02	KWPPII	0.01964	20.75947	Oversupply
6/2/2023 7:54	0:02	SSA3	0.01520	0.14600	Oversupply
6/2/2023 7:56	0:02	SSA3	0.01507	0.43200	Oversupply
6/2/2023 7:58	0:02	BS250	Data is not available	Data is not available	Oversupply
6/2/2023 7:58	0:02	KWPPII	0.01612	19.46312	Oversupply
6/2/2023 7:58	0:02	SSA3	0.01407	0.00800	Oversupply
6/2/2023 8:00	0:02	SSA3	0.01151	0.56700	Oversupply
6/2/2023 8:10	0:03	17-2	0.01087	0.24000	Oversupply
6/2/2023 8:10	0:02	SSA3	0.01151	0.16100	Oversupply
6/2/2023 8:11	0:01	BS250	Data is not available	Data is not available	Oversupply
6/2/2023 8:11	0:01	KWPPII	0.00360	19.19168	Oversupply
6/2/2023 8:22	0:02	SSA3	0.01375	0.65700	Oversupply
6/2/2023 8:23	0:02	17-2	0.00203	0.11700	Oversupply
6/2/2023 8:26	7:37	17-2	4.34710	0.75000	Oversupply
6/2/2023 8:26	0:02	SSA3	0.01375	0.72800	Oversupply
6/2/2023 8:28	0:02	SSA3	0.01779	0.12200	Oversupply
6/2/2023 8:30	7:03	BS250	Data is not available	Data is not available	Oversupply
6/2/2023 8:30	7:02	SSA3	11.15099	0.00800	Oversupply
6/2/2023 8:31	7:02	KWPPII	67.46307	21.04488	System Constraint
6/2/2023 8:48	0:12	5A	Data is not available	Data is not available	Oversupply
6/2/2023 8:48	0:12	MS	Data is not available	Data is not available	Oversupply
6/2/2023 8:49	0:22	AWE	0.50799	3.70000	Oversupply
6/2/2023 9:01	0:01	5A	Data is not available	Data is not available	Oversupply
6/2/2023 9:01	0:01	MS	Data is not available	Data is not available	Oversupply
6/2/2023 9:04	0:01	5A	Data is not available	Data is not available	Oversupply
6/2/2023 9:04	0:01	MS	Data is not available	Data is not available	Oversupply
6/2/2023 9:06	0:02	5A	Data is not available	Data is not available	Oversupply
6/2/2023 9:06	0:02	MS	Data is not available	Data is not available	Oversupply
6/2/2023 9:15	0:02	AWE	0.03954	6.10000	Oversupply
6/2/2023 9:18	0:02	AWE	0.02875	5.50000	Oversupply
6/2/2023 10:28	0:22	AWE	1.10412	15.20000	Oversupply
6/2/2023 10:54	0:09	AWE	0.64671	17.30000	Oversupply
6/2/2023 11:32	0:01	AWE	0.01139	15.60000	Oversupply
6/2/2023 11:34	0:01	AWE	0.00739	16.00000	Oversupply
6/2/2023 11:37	0:01	AWE	0.01122	16.40000	Oversupply
6/2/2023 11:44	1:44	AWE	8.38484	14.80000	Oversupply
6/2/2023 12:05	0:02	5A	Data is not available	Data is not available	Oversupply
6/2/2023 12:05	0:02	MS	Data is not available	Data is not available	Oversupply
6/2/2023 12:06	0:01	KWP	0.00267	5.36000	System Constraint
6/2/2023 12:13	0:05	5A	Data is not available	Data is not available	Oversupply
6/2/2023 12:13	0:05	MS	Data is not available	Data is not available	Oversupply
6/2/2023 12:17	0:01	KWP	0.00267	0.56000	System Constraint
6/2/2023 12:20	0:04	5A	Data is not available	Data is not available	Oversupply
6/2/2023 12:20	0:04	MS	Data is not available	Data is not available	Oversupply
6/2/2023 12:21	0:01	KWP	0.00267	2.16000	System Constraint
6/2/2023 13:29	0:25	AWE	1.03982	9.80000	Oversupply
6/2/2023 14:01	0:04	AWE	0.05035	9.30000	Oversupply
6/2/2023 14:06	0:06	AWE	0.28970	9.10000	Oversupply
6/2/2023 14:15	0:04	AWE	0.07843	9.50000	Oversupply
6/2/2023 14:23	0:12	AWE	0.20845	11.50000	Oversupply
6/2/2023 14:49	0:16	AWE	0.79973	13.30000	Oversupply
6/2/2023 15:07	0:17	AWE	1.06860	13.20000	Oversupply
6/2/2023 15:33	0:02	SSA3	0.05397	0.25300	Oversupply
6/2/2023 15:34	0:06	BS250	Data is not available	Data is not available	Oversupply
6/2/2023 15:35	0:04	KWPPII	0.08843	6.06158	System Constraint
6/2/2023 15:35	0:04	SSA3	0.10794	0.00200	Oversupply
6/2/2023 15:39	0:02	SSA3	0.05486	0.11000	Oversupply
6/2/2023 15:41	0:22	BS250	Data is not available	Data is not available	Oversupply



**Maui Curtailment Report**

**June 2023**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/2/2023 15:41	0:22	SSA3	0.54228	0.06800	Oversupply
6/2/2023 15:42	0:21	KWP2	1.81318	10.94158	System Constraint
6/2/2023 15:56	0:05	AWE	0.05379	15.20000	Oversupply
6/3/2023 1:40	0:08	KWP2	0.15624	12.47145	Oversupply
6/3/2023 7:35	1:22	SSA3	1.60147	0.30800	Oversupply
6/3/2023 7:36	1:22	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 7:36	1:22	KWP2	9.77696	17.61691	Oversupply
6/3/2023 7:37	1:21	17-2	0.17695	0.22200	Oversupply
6/3/2023 8:19	0:02	AWE	0.01188	6.80000	Oversupply
6/3/2023 8:23	0:04	AWE	0.08091	6.60000	Oversupply
6/3/2023 8:31	0:02	AWE	0.03743	6.40000	Oversupply
6/3/2023 9:02	0:21	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 9:02	0:22	17-2	0.07798	0.51100	Oversupply
6/3/2023 9:02	0:20	SSA3	0.48433	0.12100	Oversupply
6/3/2023 9:03	0:20	KWP2	1.70960	12.37664	Oversupply
6/3/2023 9:10	0:02	AWE	0.02788	15.70000	Oversupply
6/3/2023 9:27	1:09	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 9:27	4:29	17-2	2.91433	0.75000	Oversupply
6/3/2023 9:27	1:08	SSA3	2.40751	0.59400	Oversupply
6/3/2023 9:28	1:08	KWP2	10.22975	13.19896	Oversupply
6/3/2023 9:31	0:02	AWE	0.01299	17.00000	Oversupply
6/3/2023 9:34	0:20	AWE	1.39357	14.90000	Oversupply
6/3/2023 9:55	0:10	AWE	0.45809	15.00000	Oversupply
6/3/2023 10:11	0:02	AWE	0.03344	16.70000	Oversupply
6/3/2023 10:23	0:02	AWE	0.01935	17.20000	Oversupply
6/3/2023 10:26	0:08	AWE	0.11744	15.60000	Oversupply
6/3/2023 10:35	0:02	SSA3	0.07749	0.35800	Oversupply
6/3/2023 10:37	3:17	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 10:37	3:17	KWP2	26.55160	13.99732	Oversupply
6/3/2023 10:37	3:15	SSA3	7.39002	0.00600	Oversupply
6/3/2023 10:43	0:51	AWE	3.45331	16.50000	Oversupply
6/3/2023 11:13	0:04	5A	Data is not available	Data is not available	Oversupply
6/3/2023 11:13	0:04	MS	Data is not available	Data is not available	Oversupply
6/3/2023 11:15	0:01	KWVP	0.00533	5.52000	Oversupply
6/3/2023 11:23	0:01	5A	Data is not available	Data is not available	Oversupply
6/3/2023 11:23	0:01	MS	Data is not available	Data is not available	Oversupply
6/3/2023 11:36	0:10	AWE	0.43259	14.60000	Oversupply
6/3/2023 11:47	0:01	AWE	0.00182	12.50000	Oversupply
6/3/2023 11:49	0:07	AWE	0.21611	14.60000	Oversupply
6/3/2023 11:57	0:06	AWE	0.11560	15.70000	Oversupply
6/3/2023 12:05	0:17	AWE	0.67449	16.70000	Oversupply
6/3/2023 12:23	0:25	AWE	1.82949	16.70000	Oversupply
6/3/2023 12:49	0:10	AWE	0.19147	16.10000	Oversupply
6/3/2023 13:01	0:52	AWE	4.04999	17.40000	Oversupply
6/3/2023 13:25	0:04	5A	Data is not available	Data is not available	Oversupply
6/3/2023 13:25	0:04	MS	Data is not available	Data is not available	Oversupply
6/3/2023 13:30	0:01	5A	Data is not available	Data is not available	Oversupply
6/3/2023 13:30	0:01	MS	Data is not available	Data is not available	Oversupply
6/3/2023 13:30	0:01	KWVP	0.00267	0.56000	Oversupply
6/3/2023 13:38	0:03	5A	Data is not available	Data is not available	Oversupply
6/3/2023 13:38	0:03	MS	Data is not available	Data is not available	Oversupply
6/3/2023 13:43	0:01	5A	Data is not available	Data is not available	Oversupply
6/3/2023 13:43	0:01	MS	Data is not available	Data is not available	Oversupply
6/3/2023 13:53	0:02	SSA3	0.03742	0.26600	Oversupply
6/3/2023 13:59	0:16	17-2	0.17969	0.75000	Oversupply
6/3/2023 14:00	0:02	SSA3	0.04347	1.81500	Oversupply
6/3/2023 14:02	0:02	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 14:02	0:03	KWP2	0.04644	5.02271	Oversupply
6/3/2023 14:02	0:04	SSA3	0.08801	0.48900	Oversupply
6/3/2023 14:06	0:02	SSA3	0.04382	1.42900	Oversupply
6/3/2023 14:08	0:05	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 14:08	0:06	KWP2	0.04555	6.09052	Oversupply
6/3/2023 14:08	0:06	SSA3	0.13040	0.84100	Oversupply
6/3/2023 14:10	0:02	AWE	0.02366	15.60000	Oversupply
6/3/2023 14:16	0:20	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 14:16	0:21	17-2	0.24653	0.75000	Oversupply
6/3/2023 14:16	0:20	SSA3	0.52969	0.55600	Oversupply
6/3/2023 14:17	0:19	KWP2	0.70849	7.03059	Oversupply
6/3/2023 14:44	0:02	SSA3	0.02905	1.64700	Oversupply
6/3/2023 14:45	0:11	17-2	0.09205	0.64500	Oversupply
6/3/2023 14:46	0:02	SSA3	0.04016	1.60700	Oversupply
6/3/2023 14:48	0:02	SSA3	0.03983	0.42000	Oversupply
6/3/2023 14:50	0:05	BS250	Data is not available	Data is not available	Oversupply
6/3/2023 14:50	0:01	KWP2	0.00632	5.31012	Oversupply
6/3/2023 14:50	0:04	SSA3	0.08031	0.00600	Oversupply
6/3/2023 14:52	0:02	KWP2	0.00750	6.21227	Oversupply
6/3/2023 14:54	0:02	SSA3	0.03983	0.31100	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/4/2023 2:35	0:04	KWP11	0.04622	16.48023	Oversupply
6/4/2023 5:13	0:01	KWP11	0.00129	10.27495	Oversupply
6/4/2023 6:30	0:01	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 6:33	0:01	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 6:33	0:02	17-2	0.00107	0.03200	Oversupply
6/4/2023 6:33	0:20	SSA3	0.07307	0.10800	Oversupply
6/4/2023 6:36	0:17	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 6:36	0:18	17-2	0.01162	0.04300	Oversupply
6/4/2023 6:38	0:16	KWP11	0.92254	17.24866	Oversupply
6/4/2023 8:16	0:02	SSA3	0.03073	0.87100	Oversupply
6/4/2023 8:17	5:20	17-2	2.77156	0.75000	Oversupply
6/4/2023 8:18	0:02	SSA3	0.03073	0.28000	Oversupply
6/4/2023 8:19	0:02	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 8:20	0:01	KWP11	0.00318	2.36016	Oversupply
6/4/2023 8:20	0:02	SSA3	0.03099	0.20000	Oversupply
6/4/2023 8:22	0:02	SSA3	0.03048	0.35700	Oversupply
6/4/2023 8:24	0:02	SSA3	0.03073	0.82300	Oversupply
6/4/2023 8:26	0:04	SSA3	0.06297	0.02000	Oversupply
6/4/2023 8:27	0:03	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 8:27	0:04	KWP11	0.03121	3.66050	Oversupply
6/4/2023 8:30	0:02	SSA3	0.04258	0.60000	Oversupply
6/4/2023 8:32	0:02	SSA3	0.04329	0.96000	Oversupply
6/4/2023 8:34	0:02	SSA3	0.04294	0.22100	Oversupply
6/4/2023 8:36	4:39	SSA3	9.86657	0.00600	Oversupply
6/4/2023 8:37	4:39	BS250	Data is not available	Data is not available	Oversupply
6/4/2023 8:38	1:13	KWP11	2.35227	5.52967	Oversupply
6/4/2023 8:40	0:01	AWE	0.00705	13.80000	Oversupply
6/4/2023 8:42	0:11	AWE	0.34574	14.80000	Oversupply
6/4/2023 8:55	2:19	AWE	8.18956	19.40000	Oversupply
6/4/2023 9:59	0:01	KWP11	0.00070	0.23053	Oversupply
6/4/2023 10:20	0:02	KWP11	0.00584	0.52093	Oversupply
6/4/2023 11:06	2:10	KWP11	5.31779	4.50377	Oversupply
6/4/2023 11:15	0:53	AWE	1.72104	16.20000	Oversupply
6/4/2023 12:09	0:13	AWE	0.39472	12.10000	Oversupply
6/4/2023 12:24	0:48	AWE	1.77127	15.70000	Oversupply
6/4/2023 13:13	0:01	AWE	0.00526	15.60000	Oversupply
6/4/2023 13:15	0:02	SSA3	0.02002	0.06900	Oversupply
6/4/2023 13:17	0:02	SSA3	0.02018	0.15800	Oversupply
6/4/2023 13:19	0:02	SSA3	0.02018	0.42400	Oversupply
6/4/2023 13:21	0:02	SSA3	0.02035	0.40500	Oversupply
6/4/2023 13:23	0:02	SSA3	0.02018	0.26600	Oversupply
6/4/2023 13:25	0:02	SSA3	0.02035	0.33000	Oversupply
6/4/2023 13:27	0:02	SSA3	0.02035	0.30300	Oversupply
6/4/2023 13:29	0:02	SSA3	0.01413	0.35100	Oversupply
6/4/2023 13:33	0:02	SSA3	0.00627	0.39100	Oversupply
6/4/2023 13:37	0:02	SSA3	0.00632	0.47800	Oversupply
6/4/2023 13:38	0:04	17-2	0.03757	0.75000	Oversupply
6/4/2023 13:44	0:01	17-2	0.01250	0.75000	Oversupply
6/4/2023 13:46	0:11	17-2	0.11511	0.75000	Oversupply
6/4/2023 13:52	0:02	SSA3	0.00965	0.51300	Oversupply
6/4/2023 13:54	0:02	SSA3	0.00973	0.25300	Oversupply
6/4/2023 13:58	0:14	17-2	0.16535	0.75000	Oversupply
6/4/2023 13:58	0:02	SSA3	0.00962	0.58500	Oversupply
6/4/2023 14:00	0:02	SSA3	0.01000	0.61300	Oversupply
6/4/2023 14:02	0:02	SSA3	0.01000	0.58600	Oversupply
6/4/2023 14:04	0:02	SSA3	0.00984	0.70900	Oversupply
6/4/2023 14:06	0:02	SSA3	0.00984	0.38400	Oversupply
6/4/2023 14:08	0:02	SSA3	0.00984	0.67000	Oversupply
6/4/2023 23:44	0:01	KWP11	0.00548	1.88614	Oversupply
6/4/2023 23:49	0:03	KWP11	0.02931	5.13847	Oversupply
6/5/2023 0:01	0:02	KWP11	0.01193	7.65232	Oversupply
6/5/2023 0:04	0:01	KWP11	0.00767	7.52857	Oversupply
6/5/2023 0:07	0:02	KWP11	0.02001	6.95675	Oversupply
6/5/2023 1:08	0:01	KWP11	0.00128	0.07684	Oversupply
6/5/2023 2:14	0:03	KWP11	0.04173	15.12202	Oversupply
6/5/2023 2:18	0:03	KWP11	0.01581	16.58801	Oversupply
6/5/2023 4:06	0:04	KWP11	0.09836	15.67588	Oversupply
6/5/2023 4:15	0:01	KWP11	0.00318	12.57424	Oversupply
6/5/2023 4:20	0:01	KWP11	0.00039	11.68207	Oversupply
6/5/2023 8:08	0:05	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 8:09	0:01	5A	Data is not available	Data is not available	Oversupply
6/5/2023 8:09	0:01	MS	Data is not available	Data is not available	Oversupply
6/5/2023 8:09	0:02	AWE	0.03058	13.00000	Oversupply
6/5/2023 8:09	0:05	KWP11	0.21942	4.40398	Oversupply
6/5/2023 8:09	6:16	17-2	3.09990	0.75000	Oversupply
6/5/2023 8:09	0:04	SSA3	0.05133	0.00600	Oversupply
6/5/2023 8:13	0:01	AWE	0.00916	12.30000	Oversupply



Maui Curtailment Report

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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/5/2023 8:13	0:02	SSA3	0.02866	0.27900	Oversupply
6/5/2023 8:15	4:51	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 8:15	1:15	KWP	2.17934	3.95390	Oversupply
6/5/2023 8:15	0:04	SSA3	0.08813	0.00200	Oversupply
6/5/2023 8:19	0:02	SSA3	0.04407	0.04100	Oversupply
6/5/2023 8:21	4:45	SSA3	10.44836	0.00300	Oversupply
6/5/2023 8:27	4:39	AWE	21.72435	15.40000	Oversupply
6/5/2023 9:35	0:03	KWP	0.02019	0.59977	Oversupply
6/5/2023 9:41	0:03	KWP	0.00400	0.08000	System Constraint
6/5/2023 9:45	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 9:47	0:05	KWP	0.04071	0.81034	Oversupply
6/5/2023 9:52	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 9:53	2:54	KWP	9.32730	6.82302	Oversupply
6/5/2023 9:54	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 9:58	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:05	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:12	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:16	0:02	KWP	0.00267	0.08000	System Constraint
6/5/2023 10:19	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:21	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:25	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:27	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:29	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:33	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:35	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:37	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:39	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:45	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:51	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 10:54	0:06	KWP	0.00800	0.08000	System Constraint
6/5/2023 11:16	0:01	KWP	0.00133	0.08000	System Constraint
6/5/2023 11:21	0:07	5A	Data is not available	Data is not available	Oversupply
6/5/2023 11:21	0:07	MS	Data is not available	Data is not available	Oversupply
6/5/2023 11:33	0:11	KWP	0.01733	0.24000	System Constraint
6/5/2023 11:43	0:01	5A	Data is not available	Data is not available	Oversupply
6/5/2023 11:43	0:01	MS	Data is not available	Data is not available	Oversupply
6/5/2023 11:45	0:05	KWP	0.00667	0.08000	System Constraint
6/5/2023 11:51	0:24	KWP	0.03733	0.24000	System Constraint
6/5/2023 12:16	5:46	KWP	0.46667	0.24000	System Constraint
6/5/2023 12:56	0:04	KWP	0.04087	0.95005	Oversupply
6/5/2023 12:57	0:05	5A	Data is not available	Data is not available	Oversupply
6/5/2023 12:57	0:05	MS	Data is not available	Data is not available	Oversupply
6/5/2023 13:05	0:01	KWP	0.01098	0.65865	Oversupply
6/5/2023 13:07	0:02	SSA3	0.08235	1.84800	Oversupply
6/5/2023 13:09	0:02	SSA3	0.08100	0.92800	Oversupply
6/5/2023 13:11	0:02	SSA3	0.08235	0.67800	Oversupply
6/5/2023 13:12	0:06	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 13:13	0:05	KWP	0.04966	1.73844	Oversupply
6/5/2023 13:13	0:06	SSA3	0.25450	0.00900	Oversupply
6/5/2023 13:14	0:03	AWE	0.03749	12.20000	Oversupply
6/5/2023 13:19	0:02	SSA3	0.08567	0.76100	Oversupply
6/5/2023 13:21	0:07	AWE	0.05771	13.00000	Oversupply
6/5/2023 13:21	0:08	SSA3	0.34340	0.00800	Oversupply
6/5/2023 13:22	0:11	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 13:27	0:04	KWP	0.03787	1.16062	Oversupply
6/5/2023 13:29	0:02	AWE	0.01872	11.90000	Oversupply
6/5/2023 13:29	0:02	SSA3	0.08827	0.05000	Oversupply
6/5/2023 13:31	0:42	SSA3	1.02066	0.00600	Oversupply
6/5/2023 13:33	0:04	KWP	0.01072	0.40517	Oversupply
6/5/2023 13:34	0:33	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 13:34	0:27	AWE	1.07187	11.90000	Oversupply
6/5/2023 13:40	0:27	KWP	0.80340	3.04376	Oversupply
6/5/2023 14:02	0:01	AWE	0.00170	8.60000	Oversupply
6/5/2023 14:04	0:01	AWE	0.00031	10.60000	Oversupply
6/5/2023 14:08	0:06	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 14:08	0:01	KWP	0.01049	1.30333	Oversupply
6/5/2023 14:10	0:04	KWP	0.05601	2.65356	Oversupply
6/5/2023 14:13	0:02	SSA3	0.01866	0.20700	Oversupply
6/5/2023 14:15	0:02	SSA3	0.03624	0.31500	Oversupply
6/5/2023 14:16	0:01	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 14:17	0:02	SSA3	0.03624	1.01600	Oversupply
6/5/2023 14:19	0:02	SSA3	0.03594	2.04800	Oversupply
6/5/2023 14:21	0:02	SSA3	0.03594	1.95900	Oversupply
6/5/2023 14:26	0:01	17-2	0.00986	0.75000	Oversupply
6/5/2023 14:29	0:01	17-2	0.00321	0.75000	Oversupply
6/5/2023 14:34	0:02	17-2	0.00863	0.75000	Oversupply
6/5/2023 14:44	0:02	SSA3	0.02122	1.81400	Oversupply



**Maui Curtailment Report**

**June 2023**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/5/2023 14:45	0:02	17-2	0.00730	0.22400	Oversupply
6/5/2023 14:49	0:01	17-2	0.00090	0.31600	Oversupply
6/5/2023 14:51	0:01	17-2	0.00480	0.28800	Oversupply
6/5/2023 15:12	0:02	SSA3	0.01925	1.59800	Oversupply
6/5/2023 15:13	0:03	17-2	0.03750	0.75000	Oversupply
6/5/2023 15:14	0:02	SSA3	0.01833	1.50800	Oversupply
6/5/2023 15:17	0:02	17-2	0.02500	0.75000	Oversupply
6/5/2023 15:27	0:01	KWP/II	0.00276	0.16566	Oversupply
6/5/2023 15:29	0:17	17-2	0.16732	0.72100	Oversupply
6/5/2023 15:30	0:02	SSA3	0.04127	0.81900	Oversupply
6/5/2023 15:32	0:02	SSA3	0.04027	1.53100	Oversupply
6/5/2023 15:34	0:04	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 15:34	0:04	SSA3	0.08122	0.50100	Oversupply
6/5/2023 15:35	0:01	KWP/II	0.00892	1.00494	Oversupply
6/5/2023 15:37	0:01	KWP/II	0.00907	1.53386	Oversupply
6/5/2023 15:38	0:02	SSA3	0.04061	1.17900	Oversupply
6/5/2023 15:40	0:02	SSA3	0.04027	0.73200	Oversupply
6/5/2023 15:42	0:02	SSA3	0.04061	0.24400	Oversupply
6/5/2023 15:46	0:02	SSA3	0.02270	1.34200	Oversupply
6/5/2023 15:47	0:06	17-2	0.05567	0.66300	Oversupply
6/5/2023 15:48	0:01	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 15:48	0:01	AWE	0.00415	14.40000	Oversupply
6/5/2023 15:48	0:03	KWP/II	0.00845	0.61374	Oversupply
6/5/2023 15:48	0:02	SSA3	0.02307	0.01100	Oversupply
6/5/2023 15:50	0:02	SSA3	0.02251	0.99300	Oversupply
6/5/2023 15:56	0:04	17-2	0.03433	0.60500	Oversupply
6/5/2023 15:57	0:02	SSA3	0.02251	1.25100	Oversupply
6/5/2023 18:48	0:21	BS250	Data is not available	Data is not available	Oversupply
6/5/2023 18:50	0:04	17-2	0.00207	0.04000	Oversupply
6/5/2023 18:51	0:03	KWP/II	0.08483	14.70986	Oversupply
6/5/2023 18:55	0:05	17-2	0.00150	0.01800	Oversupply
6/5/2023 18:55	0:14	KWP/II	0.74006	17.75362	Oversupply
6/5/2023 19:28	0:30	KWP/II	3.50799	19.36333	Oversupply
6/6/2023 0:43	0:01	KWP/II	0.01485	20.15171	Oversupply
6/6/2023 0:46	0:02	KWP/II	0.01678	19.65473	Oversupply
6/6/2023 1:54	0:39	KWP/II	1.43455	19.07691	Oversupply
6/6/2023 2:39	0:02	KWP/II	0.00292	16.09103	Oversupply
6/6/2023 2:43	0:01	KWP/II	0.01431	15.97527	Oversupply
6/6/2023 4:05	0:01	AWE	0.00167	0.10000	Oversupply
6/6/2023 5:03	0:01	KWP/II	0.00449	12.61216	Oversupply
6/6/2023 6:32	0:01	17-2	0.00050	0.03000	Oversupply
6/6/2023 6:32	0:01	KWP/II	0.00726	12.01339	Oversupply
6/6/2023 6:49	0:01	KWP/II	0.00124	11.93155	Oversupply
6/6/2023 6:49	0:10	17-2	0.00732	0.07800	Oversupply
6/6/2023 6:50	0:08	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 6:51	0:07	KWP/II	0.26117	13.26382	Oversupply
6/6/2023 6:51	0:08	SSA3	0.03812	0.00300	Oversupply
6/6/2023 7:00	0:02	17-2	0.00137	0.04100	Oversupply
6/6/2023 7:03	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 7:03	0:04	SSA3	0.03086	0.00500	Oversupply
6/6/2023 7:04	0:01	KWP/II	0.00070	11.08629	Oversupply
6/6/2023 7:04	0:57	17-2	0.11011	0.29800	Oversupply
6/6/2023 7:06	0:01	KWP	0.00133	12.08000	Oversupply
6/6/2023 7:07	0:53	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 7:07	0:54	KWP/II	4.81493	12.88959	Oversupply
6/6/2023 7:09	0:52	SSA3	0.65950	-0.00100	Oversupply
6/6/2023 7:38	0:03	AWE	0.03494	15.30000	Oversupply
6/6/2023 7:42	0:19	AWE	0.51811	16.90000	Oversupply
6/6/2023 8:03	3:45	17-2	1.43466	0.75000	Oversupply
6/6/2023 8:03	0:08	SSA3	0.11753	0.01600	Oversupply
6/6/2023 8:04	0:07	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 8:04	0:07	KWP/II	0.11668	2.75935	System Constraint
6/6/2023 8:11	0:02	SSA3	0.02944	0.78400	Oversupply
6/6/2023 8:13	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 8:13	0:02	SSA3	0.02782	0.00700	Oversupply
6/6/2023 8:15	0:02	SSA3	0.03096	0.39900	Oversupply
6/6/2023 8:17	0:02	SSA3	0.03096	0.83100	Oversupply
6/6/2023 8:20	0:02	SSA3	0.03096	0.84000	Oversupply
6/6/2023 8:22	0:02	SSA3	0.03096	0.86600	Oversupply
6/6/2023 8:23	0:01	KWP	0.00067	1.04000	Oversupply
6/6/2023 8:23	0:06	KWP/II	0.06487	3.52977	System Constraint
6/6/2023 8:24	0:18	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 8:24	0:08	SSA3	0.14041	0.01900	Oversupply
6/6/2023 8:30	0:01	KWP/II	0.00746	2.94896	System Constraint
6/6/2023 8:32	0:10	SSA3	0.23995	0.04000	Oversupply
6/6/2023 8:33	0:31	KWP/II	0.73825	3.82217	System Constraint
6/6/2023 8:38	0:02	AWE	0.01078	18.10000	Oversupply





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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/6/2023 8:42	0:42	SSA3	1.16573	0.08200	Oversupply
6/6/2023 8:43	0:41	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 8:45	0:01	AWE	0.00717	17.00000	Oversupply
6/6/2023 8:47	0:01	AWE	0.00445	17.20000	Oversupply
6/6/2023 8:50	0:01	AWE	0.00316	17.80000	Oversupply
6/6/2023 9:05	0:13	KWP11	0.33391	3.42997	System Constraint
6/6/2023 9:06	0:01	AWE	0.00119	17.30000	Oversupply
6/6/2023 9:10	0:02	AWE	0.03814	18.90000	Oversupply
6/6/2023 9:20	0:01	KWP11	0.01283	2.98488	System Constraint
6/6/2023 9:22	0:02	KWP11	0.03749	2.81922	System Constraint
6/6/2023 9:24	0:02	SSA3	0.05289	0.74700	Oversupply
6/6/2023 9:26	0:02	SSA3	0.05246	1.11400	Oversupply
6/6/2023 9:28	0:02	SSA3	0.05621	0.97200	Oversupply
6/6/2023 9:30	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 9:30	0:02	SSA3	0.06648	0.02300	Oversupply
6/6/2023 9:32	0:02	SSA3	0.06648	0.51500	Oversupply
6/6/2023 9:34	0:58	SSA3	2.14809	0.01200	Oversupply
6/6/2023 9:35	0:58	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 9:36	0:03	KWP11	0.02135	2.01487	System Constraint
6/6/2023 9:40	4:13	KWP11	28.82627	14.58312	System Constraint
6/6/2023 9:50	0:01	AWE	0.00322	20.90000	Oversupply
6/6/2023 9:53	0:03	AWE	0.01407	20.00000	Oversupply
6/6/2023 9:57	0:05	AWE	0.01907	20.50000	Oversupply
6/6/2023 10:12	0:22	AWE	1.50624	17.90000	Oversupply
6/6/2023 10:33	0:02	SSA3	0.06893	0.09200	Oversupply
6/6/2023 10:35	0:02	SSA3	0.07008	1.42700	Oversupply
6/6/2023 10:37	0:02	SSA3	0.06950	1.21500	Oversupply
6/6/2023 10:39	0:02	SSA3	0.07008	0.86800	Oversupply
6/6/2023 10:40	0:49	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 10:40	0:56	AWE	2.24893	18.60000	Oversupply
6/6/2023 10:41	0:54	SSA3	2.17180	0.00100	Oversupply
6/6/2023 11:30	0:06	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 11:35	0:02	SSA3	0.05153	0.50000	Oversupply
6/6/2023 11:37	0:02	SSA3	0.04988	0.69700	Oversupply
6/6/2023 11:39	0:02	SSA3	0.05029	0.76900	Oversupply
6/6/2023 11:41	0:02	SSA3	0.04988	0.38100	Oversupply
6/6/2023 11:43	0:02	SSA3	0.03702	1.06900	Oversupply
6/6/2023 11:45	0:02	SSA3	0.04476	1.21000	Oversupply
6/6/2023 11:47	0:02	SSA3	0.04476	1.15800	Oversupply
6/6/2023 11:49	1:14	17-2	0.81330	0.75000	Oversupply
6/6/2023 11:52	0:02	SSA3	0.04476	1.63400	Oversupply
6/6/2023 11:54	0:02	SSA3	0.04402	1.60100	Oversupply
6/6/2023 11:56	0:02	SSA3	0.04476	1.85500	Oversupply
6/6/2023 11:58	0:02	SSA3	0.04514	0.78300	Oversupply
6/6/2023 12:00	0:02	SSA3	0.07067	0.62100	Oversupply
6/6/2023 12:02	0:02	SSA3	0.07009	0.90800	Oversupply
6/6/2023 12:04	0:02	SSA3	0.06951	0.82300	Oversupply
6/6/2023 12:06	0:02	SSA3	0.06951	0.67800	Oversupply
6/6/2023 12:08	0:06	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:08	0:02	AWE	0.02730	18.00000	Oversupply
6/6/2023 12:08	0:02	SSA3	0.07067	0.02800	Oversupply
6/6/2023 12:10	0:06	SSA3	0.21695	0.00900	Oversupply
6/6/2023 12:13	0:03	AWE	0.00693	17.60000	Oversupply
6/6/2023 12:15	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:16	0:02	SSA3	0.06172	0.08400	Oversupply
6/6/2023 12:17	0:01	AWE	0.00418	17.40000	Oversupply
6/6/2023 12:18	0:02	SSA3	0.06275	0.42300	Oversupply
6/6/2023 12:20	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:20	0:01	AWE	0.00013	17.00000	Oversupply
6/6/2023 12:20	0:02	SSA3	0.06172	0.19800	Oversupply
6/6/2023 12:22	0:02	SSA3	0.06223	0.08400	Oversupply
6/6/2023 12:23	0:01	AWE	0.00700	16.50000	Oversupply
6/6/2023 12:24	0:02	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:24	0:02	SSA3	0.06275	0.00600	Oversupply
6/6/2023 12:25	0:01	AWE	0.01418	17.30000	Oversupply
6/6/2023 12:26	0:02	SSA3	0.06223	0.30900	Oversupply
6/6/2023 12:27	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:28	0:02	SSA3	0.05642	0.08100	Oversupply
6/6/2023 12:29	0:01	BS250	Data is not available	Data is not available	Oversupply
6/6/2023 12:29	0:01	AWE	0.00150	18.30000	Oversupply
6/6/2023 12:30	0:02	SSA3	0.03201	0.49400	Oversupply
6/6/2023 12:32	0:02	SSA3	0.03227	0.21000	Oversupply
6/6/2023 12:34	0:02	SSA3	0.03174	0.86000	Oversupply
6/6/2023 12:36	0:02	SSA3	0.03227	1.20800	Oversupply
6/6/2023 12:38	0:02	SSA3	0.03227	1.35500	Oversupply
6/6/2023 12:40	0:02	SSA3	0.03227	1.59200	Oversupply
6/6/2023 12:42	0:02	SSA3	0.03201	1.46300	Oversupply



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June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/6/2023 12:44	0:02	SSA3	0.03005	0.78700	Oversupply
6/6/2023 12:46	0:02	SSA3	0.04502	0.54800	Oversupply
6/6/2023 12:48	0:02	SSA3	0.04539	0.44900	Oversupply
6/6/2023 12:50	0:02	SSA3	0.04576	1.27800	Oversupply
6/6/2023 12:52	0:02	SSA3	0.04539	1.50900	Oversupply
6/6/2023 12:54	0:02	SSA3	0.04502	1.24800	Oversupply
6/6/2023 12:56	0:02	SSA3	0.04576	1.14900	Oversupply
6/6/2023 12:58	0:02	SSA3	0.04696	1.68800	Oversupply
6/6/2023 13:04	0:08	17-2	0.09134	0.75000	Oversupply
6/6/2023 13:06	0:02	SSA3	0.02036	0.93800	Oversupply
6/6/2023 13:08	0:02	SSA3	0.02036	0.94400	Oversupply
6/6/2023 13:13	0:12	17-2	0.10819	0.75000	Oversupply
6/6/2023 13:14	0:02	SSA3	0.00741	1.37100	Oversupply
6/6/2023 13:16	0:02	SSA3	0.03157	1.31400	Oversupply
6/6/2023 13:18	0:02	SSA3	0.03473	1.53700	Oversupply
6/6/2023 13:21	0:02	SSA3	0.03183	1.38100	Oversupply
6/6/2023 13:26	0:01	17-2	0.00650	0.39000	Oversupply
6/6/2023 13:57	0:01	KWP11	0.00048	7.02860	System Constraint
6/6/2023 14:03	0:07	KWP11	0.17289	9.97855	System Constraint
6/6/2023 14:14	0:37	KWP11	1.55485	11.99842	System Constraint
6/6/2023 14:31	0:02	17-2	0.01303	0.39100	Oversupply
6/6/2023 14:37	0:03	17-2	0.01523	0.45400	Oversupply
6/6/2023 14:41	0:02	17-2	0.01585	0.48000	Oversupply
6/6/2023 14:46	0:01	17-2	0.00395	0.41300	Oversupply
6/6/2023 14:53	0:04	17-2	0.02402	0.46400	Oversupply
6/6/2023 15:02	0:01	KWP11	0.01210	7.72617	System Constraint
6/6/2023 15:04	0:02	KWP11	0.01780	8.02655	System Constraint
6/6/2023 15:34	0:02	SSA3	0.00670	0.49600	Oversupply
6/6/2023 16:25	0:01	17-2	0.00673	0.66000	Oversupply
6/6/2023 16:28	0:02	SSA3	0.02381	0.83600	Oversupply
6/6/2023 16:41	0:01	KWP11	0.00208	0.12474	Oversupply
6/7/2023 8:59	5:47	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 8:59	5:47	SSA3	14.00694	0.87400	Oversupply
6/7/2023 9:00	5:37	AWE	22.60897	20.10000	Oversupply
6/7/2023 9:00	6:35	17-2	4.51405	0.75000	Oversupply
6/7/2023 9:04	0:01	KWP11	0.00060	0.03593	System Constraint
6/7/2023 9:19	0:01	KWP11	0.00035	0.02096	System Constraint
6/7/2023 9:49	0:03	KWP11	0.00665	0.29340	System Constraint
6/7/2023 9:54	0:07	KWP11	0.05976	0.87620	System Constraint
6/7/2023 10:07	0:11	KWP11	0.10279	1.18657	System Constraint
6/7/2023 11:02	3:41	KWP11	2.03657	1.66559	System Constraint
6/7/2023 14:44	0:03	KWP11	0.05029	1.89512	System Constraint
6/7/2023 14:47	0:02	SSA3	0.04927	0.22900	Oversupply
6/7/2023 14:48	0:02	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 14:49	0:02	KWP11	0.02321	2.07974	System Constraint
6/7/2023 14:49	0:08	SSA3	0.19669	0.00500	Oversupply
6/7/2023 14:51	0:05	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 14:52	0:01	KWP11	0.01356	2.18353	System Constraint
6/7/2023 14:54	0:03	KWP11	0.02812	1.55581	System Constraint
6/7/2023 14:57	0:01	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 14:57	0:02	SSA3	0.04968	0.04000	Oversupply
6/7/2023 14:58	0:01	KWP11	0.01082	1.77137	System Constraint
6/7/2023 14:59	0:02	SSA3	0.05081	0.72800	Oversupply
6/7/2023 15:00	0:16	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 15:01	0:16	KWP11	0.30761	2.40607	System Constraint
6/7/2023 15:01	0:18	SSA3	0.62482	0.00300	Oversupply
6/7/2023 15:02	0:01	AWE	0.00409	19.40000	Oversupply
6/7/2023 15:06	0:02	AWE	0.01064	18.20000	Oversupply
6/7/2023 15:10	0:01	AWE	0.00102	19.60000	Oversupply
6/7/2023 15:14	0:01	AWE	0.00099	20.80000	Oversupply
6/7/2023 15:17	0:01	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 15:19	0:02	SSA3	0.04683	0.38000	Oversupply
6/7/2023 15:21	0:04	BS250	Data is not available	Data is not available	Oversupply
6/7/2023 15:21	0:04	SSA3	0.09367	0.01700	Oversupply
6/7/2023 15:22	0:02	KWP11	0.00250	2.21047	System Constraint
6/7/2023 15:25	0:02	SSA3	0.04722	0.29600	Oversupply
6/7/2023 15:27	0:02	SSA3	0.04683	0.79000	Oversupply
6/7/2023 15:29	0:02	SSA3	0.03963	1.03600	Oversupply
6/7/2023 15:31	0:02	SSA3	0.01783	0.96700	Oversupply
6/7/2023 15:36	0:01	17-2	0.01117	0.67300	Oversupply
6/8/2023 2:55	0:19	KWP11	0.51805	6.51465	Oversupply
6/8/2023 3:17	0:09	KWP11	0.25771	4.46086	Oversupply
6/8/2023 3:19	0:02	AWE	0.00586	13.30000	Oversupply
6/8/2023 3:27	0:38	KWP11	1.95932	5.14945	Oversupply
6/8/2023 3:34	0:04	AWE	0.04942	12.90000	Oversupply
6/8/2023 3:40	0:12	AWE	0.19273	15.50000	Oversupply
6/8/2023 3:53	0:06	AWE	0.15191	17.40000	Oversupply



Maui Curtailment Report

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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/8/2023 6:26	0:01	KWP/II	0.00095	0.05688	Oversupply
6/8/2023 8:25	5:32	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 8:25	5:33	SSA3	12.76312	0.88600	Oversupply
6/8/2023 8:26	0:01	KWP/II	0.00198	0.11876	Oversupply
6/8/2023 8:26	4:58	AWE	40.19133	21.00000	Oversupply
6/8/2023 8:26	5:48	17-2	3.06820	0.75000	Oversupply
6/8/2023 8:44	5:14	KWP/II	28.72664	12.30579	System Constraint
6/8/2023 13:27	0:13	AWE	0.41779	20.90000	Oversupply
6/8/2023 13:58	0:02	SSA3	0.04066	0.44700	Oversupply
6/8/2023 14:00	0:02	SSA3	0.03269	0.53500	Oversupply
6/8/2023 14:02	0:02	SSA3	0.03323	0.45800	Oversupply
6/8/2023 14:04	0:02	SSA3	0.03269	0.79500	Oversupply
6/8/2023 14:06	0:02	SSA3	0.03323	0.66300	Oversupply
6/8/2023 14:08	0:02	SSA3	0.03323	0.94800	Oversupply
6/8/2023 14:10	0:02	SSA3	0.03378	0.74400	Oversupply
6/8/2023 14:13	0:02	SSA3	0.03385	0.65600	Oversupply
6/8/2023 14:17	0:41	17-2	0.35355	0.75000	Oversupply
6/8/2023 14:17	0:02	SSA3	0.05035	0.65500	Oversupply
6/8/2023 14:19	0:02	SSA3	0.04994	0.45200	Oversupply
6/8/2023 14:23	0:02	SSA3	0.05366	1.47200	Oversupply
6/8/2023 14:25	0:01	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 14:25	0:02	SSA3	0.04994	0.39600	Oversupply
6/8/2023 14:27	0:02	SSA3	0.05035	0.19200	Oversupply
6/8/2023 14:29	0:02	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 14:29	0:02	SSA3	0.06505	0.00600	Oversupply
6/8/2023 14:30	0:01	KWP/II	0.01245	7.67527	System Constraint
6/8/2023 14:31	0:02	SSA3	0.08294	0.12600	Oversupply
6/8/2023 14:32	0:22	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 14:33	0:02	SSA3	0.08294	0.00200	Oversupply
6/8/2023 14:34	0:20	KWP/II	0.89202	11.27689	System Constraint
6/8/2023 14:35	0:02	SSA3	0.08500	0.08200	Oversupply
6/8/2023 14:37	0:16	SSA3	0.52050	0.00100	Oversupply
6/8/2023 14:53	0:02	SSA3	0.04757	0.02300	Oversupply
6/8/2023 14:55	0:02	SSA3	0.04837	0.71100	Oversupply
6/8/2023 14:59	0:02	17-2	0.01081	0.36000	Oversupply
6/8/2023 14:59	0:02	SSA3	0.04265	0.82800	Oversupply
6/8/2023 15:01	0:02	SSA3	0.03049	1.18800	Oversupply
6/8/2023 15:02	0:01	17-2	0.00593	0.35600	Oversupply
6/8/2023 15:03	0:02	SSA3	0.03024	1.07200	Oversupply
6/8/2023 15:04	0:03	17-2	0.02557	0.75000	Oversupply
6/8/2023 15:05	0:02	SSA3	0.03049	0.51800	Oversupply
6/8/2023 15:07	0:02	SSA3	0.02999	0.67700	Oversupply
6/8/2023 15:08	0:24	17-2	0.22728	0.75000	Oversupply
6/8/2023 15:09	0:08	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 15:09	0:08	SSA3	0.11527	0.00700	Oversupply
6/8/2023 15:16	0:03	KWP/II	0.01543	5.65242	System Constraint
6/8/2023 15:17	0:02	SSA3	0.02001	-0.00100	Oversupply
6/8/2023 15:19	0:02	SSA3	0.01985	0.49600	Oversupply
6/8/2023 15:23	0:02	SSA3	0.01985	0.44500	Oversupply
6/8/2023 15:25	0:02	SSA3	0.01968	0.12600	Oversupply
6/8/2023 15:27	0:03	BS250	Data is not available	Data is not available	Oversupply
6/8/2023 15:27	0:04	SSA3	0.03465	-0.00200	Oversupply
6/8/2023 15:31	0:01	KWP/II	0.00682	6.67532	System Constraint
6/8/2023 15:58	0:01	17-2	0.00080	0.59800	Oversupply
6/8/2023 15:58	0:01	AWE	0.01091	21.00000	System Constraint
6/8/2023 15:58	0:01	KWP/II	0.00298	4.56764	System Constraint
6/8/2023 16:00	0:01	KWP	0.00267	8.40000	System Constraint
6/8/2023 16:00	0:19	AWE	0.33232	19.60000	System Constraint
6/8/2023 16:03	0:01	KWP	0.00267	6.16000	System Constraint
6/8/2023 16:04	0:07	KWP/II	0.07199	4.46785	Oversupply
6/8/2023 16:12	0:22	KWP/II	0.91336	6.14541	Oversupply
6/8/2023 16:16	0:01	KWP	0.00267	6.16000	Oversupply
6/8/2023 16:21	0:03	AWE	0.03242	13.50000	System Constraint
6/8/2023 16:23	0:01	KWP	0.00267	6.16000	Oversupply
6/8/2023 16:25	1:16	AWE	3.51643	18.20000	Oversupply
6/8/2023 16:26	0:01	KWP	0.00267	6.32000	Oversupply
6/8/2023 16:36	0:01	KWP/II	0.00326	2.19550	Oversupply
6/8/2023 16:38	1:05	KWP/II	7.60942	17.08300	Oversupply
6/8/2023 17:10	0:02	KWP	0.00533	6.16000	Oversupply
6/8/2023 17:13	0:01	KWP	0.00267	6.16000	Oversupply
6/8/2023 17:44	0:02	KWP/II	0.00742	12.31776	Oversupply
6/8/2023 17:52	0:01	KWP	0.00267	6.16000	Oversupply
6/8/2023 17:56	0:33	KWP/II	4.01308	20.79539	Oversupply
6/8/2023 18:14	0:01	KWP	0.00267	6.16000	Oversupply
6/8/2023 18:23	0:01	KWP	0.00267	6.16000	Oversupply
6/9/2023 1:13	0:37	KWP/II	2.38054	14.65697	Oversupply
6/9/2023 1:30	0:01	AWE	0.00243	21.00000	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/9/2023 2:01	0:01	KWP	0.01045	9.36581	Oversupply
6/9/2023 3:19	0:01	KWP	0.01000	17.72169	Oversupply
6/9/2023 3:36	0:25	KWP	2.23882	18.88032	Oversupply
6/9/2023 4:32	1:13	KWP	5.30576	19.43418	Oversupply
6/9/2023 5:44	0:01	BS250	Data is not available	Data is not available	Oversupply
6/9/2023 5:48	0:12	BS250	Data is not available	Data is not available	Oversupply
6/9/2023 5:48	0:08	KWP	0.15569	17.90831	Oversupply
6/9/2023 5:57	0:04	KWP	0.06475	18.49810	Oversupply
6/9/2023 6:05	0:01	BS250	Data is not available	Data is not available	Oversupply
6/9/2023 7:19	9:23	17-2	4.38142	0.75000	Oversupply
6/9/2023 7:19	0:02	SSA3	0.01506	0.35400	Oversupply
6/9/2023 7:20	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 7:21	0:02	SSA3	0.01481	0.36800	Oversupply
6/9/2023 7:23	0:02	SSA3	0.01481	0.38400	Oversupply
6/9/2023 7:25	9:13	BS250	Data is not available	Data is not available	Oversupply
6/9/2023 7:25	0:02	SSA3	0.01494	0.00800	Oversupply
6/9/2023 7:27	0:02	KWP	0.00702	18.21169	Oversupply
6/9/2023 7:27	9:10	SSA3	18.78766	0.00300	Oversupply
6/9/2023 7:30	9:08	KWP	161.54849	21.08580	Oversupply
6/9/2023 8:03	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 8:24	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 8:24	7:52	AWE	109.88891	21.00000	Oversupply
6/9/2023 8:49	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 9:09	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 9:12	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 9:43	0:01	KWP	0.00533	22.32000	Oversupply
6/9/2023 9:48	0:01	KWP	0.00267	22.48000	Oversupply
6/9/2023 9:56	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 9:56	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 9:58	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 9:58	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:00	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:00	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:02	0:14	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:02	0:14	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:03	0:01	KWP	0.00194	21.36000	Oversupply
6/9/2023 10:17	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:17	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:21	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:21	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:24	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:24	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:27	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:27	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:31	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:31	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:36	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:36	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:39	0:01	KWP	0.00533	13.36000	Oversupply
6/9/2023 10:41	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:41	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:46	0:09	5A	Data is not available	Data is not available	Oversupply
6/9/2023 10:46	0:09	MS	Data is not available	Data is not available	Oversupply
6/9/2023 10:57	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:02	0:05	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:02	0:05	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:08	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:08	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:10	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:10	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:18	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:18	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:19	0:02	KWP	0.00533	10.64000	Oversupply
6/9/2023 11:21	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:21	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:24	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:24	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:27	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:27	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:28	0:01	KWP	0.00267	9.52000	Oversupply
6/9/2023 11:32	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:32	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:37	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:37	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:37	0:01	KWP	0.00267	9.36000	Oversupply
6/9/2023 11:39	0:01	5A	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/9/2023 11:39	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:41	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:41	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:48	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:48	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:51	0:01	KWP	0.00042	9.36000	Oversupply
6/9/2023 11:54	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:54	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:56	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:56	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 11:58	0:01	KWP	0.00267	10.16000	Oversupply
6/9/2023 11:59	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 11:59	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:04	0:05	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:04	0:05	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:05	0:01	KWP	0.00267	10.00000	Oversupply
6/9/2023 12:12	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:12	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:15	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:15	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:21	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:21	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:23	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:23	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:26	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:26	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:31	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:31	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:36	0:05	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:36	0:05	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:41	0:01	KWP	0.00267	6.32000	Oversupply
6/9/2023 12:42	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:42	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:45	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:45	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:47	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:47	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:51	0:08	5A	Data is not available	Data is not available	Oversupply
6/9/2023 12:51	0:08	MS	Data is not available	Data is not available	Oversupply
6/9/2023 12:52	0:01	KWP	0.00267	7.76000	Oversupply
6/9/2023 12:56	0:01	KWP	0.00267	5.52000	Oversupply
6/9/2023 13:02	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:02	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:06	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:06	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:09	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:09	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:10	0:01	KWP	0.00267	5.84000	Oversupply
6/9/2023 13:11	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:11	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:13	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:13	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:14	0:01	KWP	0.00267	5.36000	Oversupply
6/9/2023 13:15	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:15	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:19	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:19	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:20	0:01	KWP	0.00231	7.12000	Oversupply
6/9/2023 13:22	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:22	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:24	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:24	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:31	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:31	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:33	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:33	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:35	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:35	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:37	0:04	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:37	0:04	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:39	0:01	KWP	0.00107	8.08000	Oversupply
6/9/2023 13:43	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:43	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:46	0:07	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:46	0:07	MS	Data is not available	Data is not available	Oversupply
6/9/2023 13:54	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:54	0:01	MS	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/9/2023 13:58	0:05	5A	Data is not available	Data is not available	Oversupply
6/9/2023 13:58	0:05	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:05	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:05	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:09	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:09	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:12	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:12	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:13	0:01	KWP	0.00267	12.88000	Oversupply
6/9/2023 14:14	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:14	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:17	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:17	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:21	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:21	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:23	0:07	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:23	0:07	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:31	0:03	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:31	0:03	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:36	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:36	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:38	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:38	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:40	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:40	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:43	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:43	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:46	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:46	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:48	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:48	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:50	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:50	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 14:53	0:06	5A	Data is not available	Data is not available	Oversupply
6/9/2023 14:53	0:06	MS	Data is not available	Data is not available	Oversupply
6/9/2023 15:01	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 15:01	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 15:03	0:01	5A	Data is not available	Data is not available	Oversupply
6/9/2023 15:03	0:01	MS	Data is not available	Data is not available	Oversupply
6/9/2023 15:05	0:02	5A	Data is not available	Data is not available	Oversupply
6/9/2023 15:05	0:02	MS	Data is not available	Data is not available	Oversupply
6/9/2023 15:10	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 15:14	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 15:18	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 15:26	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 15:55	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 16:34	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 16:38	0:02	SSA3	0.02972	0.25600	Oversupply
6/9/2023 16:40	0:02	SSA3	0.02997	0.79400	Oversupply
6/9/2023 17:27	0:01	KWP	0.00267	22.16000	Oversupply
6/9/2023 17:55	0:01	KWP	0.00267	22.32000	Oversupply
6/9/2023 23:18	0:02	KWP II	0.03277	20.65468	Oversupply
6/9/2023 23:34	0:01	KWP II	0.00312	21.03291	Oversupply
6/9/2023 23:36	0:13	KWP II	0.48153	21.03690	Oversupply
6/9/2023 23:50	0:01	KWP II	0.00080	20.63372	Oversupply
6/9/2023 23:53	0:27	KWP II	1.89086	20.66366	Oversupply
6/10/2023 0:31	0:01	KWP II	0.00745	18.67873	Oversupply
6/10/2023 0:34	0:10	KWP II	0.25671	18.04403	Oversupply
6/10/2023 0:47	0:04	KWP II	0.11365	18.17177	Oversupply
6/10/2023 1:16	1:04	KWP II	8.21571	20.92413	Oversupply
6/10/2023 2:59	0:01	KWP II	0.00918	10.99847	Oversupply
6/10/2023 3:01	0:01	KWP II	0.00232	9.14726	Oversupply
6/10/2023 3:04	0:01	KWP II	0.00293	9.48357	Oversupply
6/10/2023 3:08	0:05	KWP II	0.11127	11.86569	Oversupply
6/10/2023 3:15	0:01	KWP II	0.00343	9.91369	Oversupply
6/10/2023 3:17	0:01	KWP II	0.01044	10.48452	Oversupply
6/10/2023 3:20	0:34	KWP II	1.90541	16.27765	Oversupply
6/10/2023 3:55	0:02	KWP II	0.02179	9.82487	Oversupply
6/10/2023 3:58	0:09	KWP II	0.42383	12.98539	Oversupply
6/10/2023 4:08	0:10	KWP II	0.33304	14.41447	Oversupply
6/10/2023 4:34	0:01	KWP II	0.00551	11.49844	Oversupply
6/10/2023 4:36	0:01	KWP II	0.02007	12.17106	Oversupply
6/10/2023 4:43	0:01	KWP II	0.00103	9.44166	Oversupply
6/10/2023 4:45	10:28	KWP II	139.59427	21.07881	Oversupply
6/10/2023 5:44	9:30	BS250	Data is not available	Data is not available	Oversupply
6/10/2023 5:58	9:13	SSA3	16.21416	0.01500	Oversupply
6/10/2023 6:22	8:55	17-2	4.49905	0.75000	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/10/2023 8:44	0:09	AWE	0.09290	21.00000	Oversupply
6/10/2023 8:55	0:06	AWE	0.11911	21.00000	Oversupply
6/10/2023 9:02	0:33	AWE	1.01994	21.00000	Oversupply
6/10/2023 10:15	0:39	AWE	1.84354	21.00000	Oversupply
6/10/2023 11:01	0:49	AWE	3.93777	21.00000	Oversupply
6/10/2023 11:55	0:01	AWE	0.00007	21.00000	Oversupply
6/10/2023 11:57	0:02	AWE	0.00182	21.00000	Oversupply
6/10/2023 12:00	0:04	AWE	0.05826	21.00000	Oversupply
6/10/2023 12:09	0:55	AWE	4.38066	21.00000	Oversupply
6/10/2023 13:44	1:12	AWE	10.43317	21.00000	Oversupply
6/10/2023 15:12	0:02	SSA3	0.06470	0.13800	Oversupply
6/10/2023 15:14	0:02	SSA3	0.03163	0.77600	Oversupply
6/11/2023 1:59	0:03	KWPPII	0.05220	13.74683	Oversupply
6/11/2023 2:04	0:45	KWPPII	4.43383	15.97726	Oversupply
6/11/2023 4:20	0:20	KWPPII	1.12748	13.09018	Oversupply
6/11/2023 4:41	2:40	KWPPII	25.74113	19.76151	Oversupply
6/11/2023 4:56	0:10	AWE	0.31836	21.00000	Oversupply
6/11/2023 5:44	1:37	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 5:59	1:24	SSA3	0.36424	0.01700	Oversupply
6/11/2023 6:03	1:24	17-2	0.05026	0.13300	Oversupply
6/11/2023 7:23	0:01	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 7:23	0:02	SSA3	0.01437	0.17400	Oversupply
6/11/2023 7:31	0:01	17-2	0.00227	0.13600	Oversupply
6/11/2023 7:55	0:02	17-2	0.00213	0.17400	Oversupply
6/11/2023 7:58	0:03	17-2	0.00758	0.16100	Oversupply
6/11/2023 7:58	0:02	SSA3	0.01496	0.39400	Oversupply
6/11/2023 7:59	0:01	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 8:02	0:02	SSA3	0.02149	0.68300	Oversupply
6/11/2023 8:03	0:01	17-2	0.00220	0.13200	Oversupply
6/11/2023 8:08	0:02	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 8:08	0:03	17-2	0.00453	0.09400	Oversupply
6/11/2023 8:08	0:02	SSA3	0.02149	0.04300	Oversupply
6/11/2023 8:09	0:01	KWPPII	0.00789	16.74968	Oversupply
6/11/2023 8:12	0:02	SSA3	0.02203	0.76000	Oversupply
6/11/2023 8:13	0:18	17-2	0.03705	0.21800	Oversupply
6/11/2023 8:14	0:01	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 8:14	0:14	SSA3	0.27578	0.00900	Oversupply
6/11/2023 8:15	0:15	KWPPII	0.26244	18.69569	Oversupply
6/11/2023 8:16	0:11	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 8:28	0:01	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 8:28	0:02	SSA3	0.02946	0.24700	Oversupply
6/11/2023 8:32	0:09	17-2	0.01666	0.15200	Oversupply
6/11/2023 8:34	0:02	SSA3	0.01891	0.60700	Oversupply
6/11/2023 8:36	0:02	SSA3	0.01922	0.93400	Oversupply
6/11/2023 8:43	0:02	SSA3	0.01864	0.98700	Oversupply
6/11/2023 8:44	0:03	17-2	0.00592	0.13600	Oversupply
6/11/2023 8:48	0:02	17-2	0.00382	0.11500	Oversupply
6/11/2023 8:49	0:02	SSA3	0.01678	1.02900	Oversupply
6/11/2023 8:51	0:01	17-2	0.00218	0.13100	Oversupply
6/11/2023 8:51	0:02	SSA3	0.01747	-0.00100	Oversupply
6/11/2023 8:55	0:02	17-2	0.00777	0.26800	Oversupply
6/11/2023 8:55	0:02	SSA3	0.01720	1.07300	Oversupply
6/11/2023 9:03	0:02	SSA3	0.02737	1.12600	Oversupply
6/11/2023 9:04	0:51	17-2	0.26653	0.69100	Oversupply
6/11/2023 9:07	0:02	SSA3	0.02692	0.97600	Oversupply
6/11/2023 9:09	0:02	SSA3	0.02670	1.16400	Oversupply
6/11/2023 9:11	0:02	SSA3	0.02670	0.82400	Oversupply
6/11/2023 9:13	0:02	SSA3	0.03288	1.09700	Oversupply
6/11/2023 9:15	0:02	SSA3	0.05368	0.64700	Oversupply
6/11/2023 9:17	0:02	SSA3	0.05456	0.69400	Oversupply
6/11/2023 9:19	0:02	SSA3	0.05280	0.81000	Oversupply
6/11/2023 9:21	0:25	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 9:21	0:24	SSA3	0.72062	0.01900	Oversupply
6/11/2023 9:22	0:22	KWPPII	0.74031	14.06219	Oversupply
6/11/2023 9:45	0:02	SSA3	0.03753	0.10800	Oversupply
6/11/2023 9:47	0:02	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 9:47	0:02	SSA3	0.03753	0.00500	Oversupply
6/11/2023 9:49	0:01	KWPPII	0.00153	14.20889	Oversupply
6/11/2023 9:49	0:02	SSA3	0.03846	0.79800	Oversupply
6/11/2023 9:52	0:02	SSA3	0.03753	1.38500	Oversupply
6/11/2023 9:56	0:07	17-2	0.07888	0.75000	Oversupply
6/11/2023 9:56	0:02	SSA3	0.03753	1.40600	Oversupply
6/11/2023 9:58	0:02	SSA3	0.03939	1.42600	Oversupply
6/11/2023 10:00	0:02	SSA3	0.05231	1.22900	Oversupply
6/11/2023 10:04	2:59	17-2	2.00604	0.75000	Oversupply
6/11/2023 10:04	0:02	SSA3	0.05064	1.44900	Oversupply
6/11/2023 10:05	0:02	BS250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/11/2023 10:06	0:01	KWPPII	0.00576	10.15918	Oversupply
6/11/2023 10:06	0:02	SSA3	0.05231	0.01000	Oversupply
6/11/2023 10:08	0:02	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 10:08	0:04	SSA3	0.10170	0.00200	Oversupply
6/11/2023 10:09	0:01	KWPPII	0.02194	8.83490	Oversupply
6/11/2023 10:12	0:02	SSA3	0.05023	0.84500	Oversupply
6/11/2023 10:14	0:02	SSA3	0.06641	1.47500	Oversupply
6/11/2023 10:16	0:02	SSA3	0.07249	1.20200	Oversupply
6/11/2023 10:18	0:03	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 10:18	0:02	SSA3	0.07189	0.01500	Oversupply
6/11/2023 10:19	0:03	KWPPII	0.03148	8.15729	Oversupply
6/11/2023 10:20	193:16	SSA3	1.01476	0.00100	Oversupply
6/11/2023 10:22	1:14	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 10:24	1:13	KWPPII	4.27814	11.65612	Oversupply
6/11/2023 11:37	1:10	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 11:38	1:10	KWPPII	3.50436	8.79398	Oversupply
6/11/2023 11:59	0:02	AWE	0.00208	21.00000	Oversupply
6/11/2023 12:02	0:01	AWE	0.00191	21.00000	Oversupply
6/11/2023 13:05	0:15	17-2	0.16165	0.75000	Oversupply
6/11/2023 13:26	0:01	17-2	0.00058	0.34100	Oversupply
6/11/2023 13:31	0:02	17-2	0.01598	0.75000	Oversupply
6/11/2023 13:34	0:13	17-2	0.09612	0.75000	Oversupply
6/11/2023 13:48	2:06	17-2	1.20401	0.75000	Oversupply
6/11/2023 13:53	0:39	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 13:54	0:39	KWPPII	2.97914	12.64509	Oversupply
6/11/2023 14:09	0:01	AWE	0.00374	21.00000	Oversupply
6/11/2023 14:13	0:02	AWE	0.02198	21.00000	Oversupply
6/11/2023 14:33	1:06	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 14:34	0:01	KWPPII	0.00122	5.77617	Oversupply
6/11/2023 14:36	0:03	KWPPII	0.06455	5.18937	Oversupply
6/11/2023 14:40	1:00	KWPPII	6.19324	19.29048	Oversupply
6/11/2023 15:41	0:01	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 15:46	0:03	BS250	Data is not available	Data is not available	Oversupply
6/11/2023 15:47	0:01	KWPPII	0.00718	17.40733	Oversupply
6/11/2023 15:58	0:02	17-2	0.01713	0.75000	Oversupply
6/11/2023 16:22	0:34	17-2	0.22839	0.64600	Oversupply
6/12/2023 3:01	0:01	KWPPII	0.00073	0.04391	Oversupply
6/12/2023 6:44	0:04	17-2	0.00427	0.07300	Oversupply
6/12/2023 6:46	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 6:49	0:03	17-2	0.00455	0.09800	Oversupply
6/12/2023 6:53	0:54	17-2	0.09518	0.22000	Oversupply
6/12/2023 6:55	0:10	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 6:56	0:01	KWPPII	0.00464	8.86683	Oversupply
6/12/2023 6:58	0:07	KWPPII	0.21170	13.17401	Oversupply
6/12/2023 7:06	0:02	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:06	0:03	KWPPII	0.02447	12.88061	Oversupply
6/12/2023 7:09	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:16	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:18	0:05	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:20	0:07	KWPPII	0.10413	13.17900	Oversupply
6/12/2023 7:24	0:02	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:27	0:02	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:28	0:02	KWPPII	0.05198	14.06319	Oversupply
6/12/2023 7:30	0:09	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:31	0:07	KWPPII	0.16164	14.35758	Oversupply
6/12/2023 7:39	0:01	KWPPII	0.00226	14.66296	Oversupply
6/12/2023 7:40	0:02	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 7:41	0:02	KWPPII	0.03355	16.07706	Oversupply
6/12/2023 7:52	0:02	17-2	0.00408	0.13800	Oversupply
6/12/2023 7:58	0:01	17-2	0.00303	0.18200	Oversupply
6/12/2023 8:07	0:02	17-2	0.00582	0.19100	Oversupply
6/12/2023 10:04	0:09	17-2	0.08937	0.75000	Oversupply
6/12/2023 10:14	0:21	17-2	0.24785	0.75000	Oversupply
6/12/2023 10:28	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 10:39	0:01	17-2	0.00986	0.75000	Oversupply
6/12/2023 12:08	0:03	17-2	0.01965	0.75000	Oversupply
6/12/2023 12:16	0:20	17-2	0.21334	0.75000	Oversupply
6/12/2023 12:21	0:03	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 12:23	0:01	KWPPII	0.00246	1.74742	Oversupply
6/12/2023 12:27	0:07	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 12:29	0:03	KWPPII	0.01957	1.29734	Oversupply
6/12/2023 12:30	0:02	AWE	0.01019	19.60000	Oversupply
6/12/2023 12:33	0:01	AWE	0.01132	18.80000	Oversupply
6/12/2023 12:33	0:02	KWPPII	0.00562	0.23452	Oversupply
6/12/2023 12:37	0:15	17-2	0.15103	0.75000	Oversupply
6/12/2023 12:42	0:02	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 12:43	0:06	KWPPII	0.03057	1.73544	Oversupply





**Maui Curtailment Report**

**June 2023**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/12/2023 12:45	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 12:48	0:01	BS250	Data is not available	Data is not available	Oversupply
6/12/2023 12:54	0:03	17-2	0.01602	0.75000	Oversupply
6/12/2023 13:00	0:07	17-2	0.07843	0.75000	Oversupply
6/12/2023 13:16	0:01	17-2	0.00134	0.75000	Oversupply
6/12/2023 13:18	0:01	17-2	0.01250	0.75000	Oversupply
6/12/2023 13:21	0:02	17-2	0.01320	0.75000	Oversupply
6/12/2023 13:24	0:03	17-2	0.02118	0.75000	Oversupply
6/12/2023 13:29	0:14	17-2	0.14970	0.75000	Oversupply
6/12/2023 13:44	0:01	17-2	0.01250	0.75000	Oversupply
6/12/2023 13:47	0:06	17-2	0.06797	0.75000	Oversupply
6/12/2023 13:57	0:04	17-2	0.03560	0.75000	Oversupply
6/12/2023 14:03	0:01	KWP	0.00128	0.07684	Oversupply
6/12/2023 16:20	0:18	17-2	0.14473	0.65500	Oversupply
6/12/2023 16:40	0:06	17-2	0.03782	0.52300	Oversupply
6/13/2023 1:07	0:01	KWP	0.00277	14.79568	Oversupply
6/13/2023 1:44	0:01	KWP	0.00310	15.82258	Oversupply
6/13/2023 1:56	0:09	KWP	0.18479	17.34646	Oversupply
6/13/2023 2:10	0:03	KWP	0.03865	14.82562	Oversupply
6/13/2023 2:15	0:02	KWP	0.00977	15.75472	Oversupply
6/13/2023 2:26	0:03	KWP	0.01841	14.41247	Oversupply
6/13/2023 2:32	0:02	KWP	0.01744	13.42749	Oversupply
6/13/2023 2:38	0:06	KWP	0.06629	11.37469	Oversupply
6/13/2023 8:15	0:04	17-2	0.00760	0.19300	Oversupply
6/13/2023 8:25	0:07	17-2	0.02350	0.24000	Oversupply
6/13/2023 8:40	0:26	17-2	0.08998	0.37600	Oversupply
6/13/2023 8:49	0:03	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 8:56	0:02	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 8:59	0:01	KWP	0.00133	4.08000	Oversupply
6/13/2023 9:09	0:09	17-2	0.04483	0.41400	Oversupply
6/13/2023 9:19	0:08	17-2	0.03719	0.40000	Oversupply
6/13/2023 9:28	0:03	17-2	0.01957	0.43100	Oversupply
6/13/2023 9:33	0:10	17-2	0.06057	0.51600	Oversupply
6/13/2023 9:45	0:42	17-2	0.27602	0.75000	Oversupply
6/13/2023 9:53	0:02	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 9:59	0:02	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 10:02	0:01	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 10:10	0:05	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 10:17	0:03	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 10:28	0:01	17-2	0.01141	0.75000	Oversupply
6/13/2023 10:33	0:15	17-2	0.09119	0.75000	Oversupply
6/13/2023 11:00	0:10	17-2	0.05307	0.75000	Oversupply
6/13/2023 11:52	0:04	17-2	0.01672	0.37800	Oversupply
6/13/2023 12:01	0:03	17-2	0.01698	0.75000	Oversupply
6/13/2023 12:05	0:02	17-2	0.01256	0.48000	Oversupply
6/13/2023 12:08	0:01	17-2	0.00630	0.37800	Oversupply
6/13/2023 12:22	0:09	17-2	0.04425	0.75000	Oversupply
6/13/2023 12:32	0:18	17-2	0.12103	0.75000	Oversupply
6/13/2023 12:40	0:01	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 12:51	0:01	17-2	0.00315	0.75000	Oversupply
6/13/2023 13:03	0:01	17-2	0.00721	0.59400	Oversupply
6/13/2023 13:07	0:01	17-2	0.00065	0.62900	Oversupply
6/13/2023 13:11	0:01	17-2	0.00342	0.75000	Oversupply
6/13/2023 13:14	0:27	17-2	0.33660	0.75000	Oversupply
6/13/2023 13:18	0:16	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 13:52	0:09	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 13:52	0:24	17-2	0.28017	0.75000	Oversupply
6/13/2023 14:05	0:05	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 14:18	0:41	17-2	0.48737	0.75000	Oversupply
6/13/2023 14:19	0:22	BS250	Data is not available	Data is not available	Oversupply
6/13/2023 14:47	0:02	KWP	0.02822	14.60108	System Constraint
6/13/2023 14:48	0:01	KWP	0.00133	8.08000	System Constraint
6/13/2023 14:51	0:01	KWP	0.00267	8.24000	System Constraint
6/13/2023 14:52	0:02	KWP	0.02540	13.86160	System Constraint
6/13/2023 14:56	0:02	KWP	0.00400	8.24000	System Constraint
6/13/2023 15:03	0:02	KWP	0.00711	13.28378	System Constraint
6/13/2023 15:05	0:01	KWP	0.00133	8.08000	System Constraint
6/13/2023 15:11	0:08	KWP	0.14713	15.95930	System Constraint
6/13/2023 15:16	0:01	17-2	0.00036	0.75000	Oversupply
6/13/2023 15:17	0:02	KWP	0.00267	8.08000	System Constraint
6/13/2023 15:22	0:01	17-2	0.00052	0.75000	Oversupply
6/13/2023 15:33	0:04	17-2	0.04432	0.75000	Oversupply
6/13/2023 15:35	0:01	KWP	0.00162	13.41451	System Constraint
6/13/2023 16:00	0:01	KWP	0.00117	13.07022	System Constraint
6/13/2023 16:30	0:03	KWP	0.00667	8.24000	System Constraint
6/13/2023 16:38	0:01	KWP	0.00133	8.08000	Oversupply
6/13/2023 16:54	0:01	KWP	0.00267	8.24000	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/13/2023 16:56	0:01	KWP	0.00267	8.24000	Oversupply
6/13/2023 16:58	0:02	KWP	0.00400	8.24000	Oversupply
6/13/2023 17:01	0:01	KWP	0.00133	8.08000	Oversupply
6/13/2023 17:03	0:01	KWP	0.00267	8.24000	Oversupply
6/13/2023 17:05	0:01	KWP	0.00400	8.24000	Oversupply
6/13/2023 22:47	0:02	KWP	0.02295	18.62085	Oversupply
6/13/2023 23:02	0:06	KWP	0.15848	14.67793	Oversupply
6/13/2023 23:12	1:18	KWP	10.99487	18.76954	Oversupply
6/14/2023 0:33	0:07	KWP	0.19983	16.86844	Oversupply
6/14/2023 7:05	0:01	KWP	0.00220	0.13173	Oversupply
6/14/2023 8:46	0:57	17-2	0.22925	0.70200	Oversupply
6/14/2023 8:51	0:09	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 9:01	0:21	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 9:25	0:08	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 9:34	0:02	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 10:30	3:50	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 10:31	0:01	AWE	0.00476	16.00000	Oversupply
6/14/2023 10:31	3:55	17-2	2.66142	0.75000	Oversupply
6/14/2023 10:37	0:34	AWE	1.35153	18.70000	Oversupply
6/14/2023 10:41	0:09	KWP	0.11160	1.26341	System Constraint
6/14/2023 10:58	0:01	KWP	0.00267	2.32000	System Constraint
6/14/2023 11:01	0:02	KWP	0.00533	2.16000	System Constraint
6/14/2023 11:10	0:02	KWP	0.00996	0.50696	System Constraint
6/14/2023 11:13	0:02	KWP	0.00945	0.79737	System Constraint
6/14/2023 11:14	0:01	AWE	0.00350	20.30000	Oversupply
6/14/2023 11:16	0:02	KWP	0.00368	0.13872	System Constraint
6/14/2023 11:23	0:19	AWE	1.04904	21.00000	Oversupply
6/14/2023 11:25	0:03	KWP	0.03245	1.29535	System Constraint
6/14/2023 11:30	0:05	KWP	0.04687	1.18357	System Constraint
6/14/2023 11:35	0:01	KWP	0.00267	2.16000	System Constraint
6/14/2023 11:44	0:01	KWP	0.00267	2.16000	System Constraint
6/14/2023 11:44	0:02	AWE	0.01879	21.00000	Oversupply
6/14/2023 11:44	4:31	KWP	46.88098	20.45908	System Constraint
6/14/2023 11:54	2:25	AWE	17.96361	21.00000	Oversupply
6/14/2023 12:49	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 12:51	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 13:02	0:03	KWP	0.00400	4.08000	System Constraint
6/14/2023 13:08	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 13:12	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 13:42	0:01	KWP	0.00267	4.24000	System Constraint
6/14/2023 14:28	0:01	17-2	0.00089	0.75000	Oversupply
6/14/2023 14:33	0:01	KWP	0.00400	4.24000	System Constraint
6/14/2023 14:38	1:10	17-2	0.83303	0.75000	Oversupply
6/14/2023 14:47	0:36	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 14:48	0:01	AWE	0.00770	20.80000	Oversupply
6/14/2023 14:50	0:17	AWE	0.64218	21.00000	Oversupply
6/14/2023 15:09	0:01	AWE	0.00102	21.00000	Oversupply
6/14/2023 15:13	0:03	AWE	0.05597	21.00000	Oversupply
6/14/2023 15:24	0:01	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 15:49	0:05	17-2	0.03860	0.62600	Oversupply
6/14/2023 15:50	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 15:52	0:01	KWP	0.00267	4.24000	System Constraint
6/14/2023 16:11	0:04	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 16:11	0:11	17-2	0.08843	0.54700	Oversupply
6/14/2023 16:25	0:04	17-2	0.02398	0.50200	Oversupply
6/14/2023 16:26	0:01	KWP	0.00133	4.08000	System Constraint
6/14/2023 16:56	0:06	17-2	0.03870	0.41100	Oversupply
6/14/2023 16:58	0:03	BS250	Data is not available	Data is not available	Oversupply
6/14/2023 17:00	0:02	KWP	0.01898	19.38628	Oversupply
6/14/2023 21:00	0:01	KWP	0.00015	0.00898	Oversupply
6/15/2023 8:28	0:02	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 8:29	0:01	KWP	0.00038	4.58161	Oversupply
6/15/2023 8:29	0:36	17-2	0.12003	0.28400	Oversupply
6/15/2023 8:40	0:11	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 8:40	0:09	KWP	0.27925	5.15145	Oversupply
6/15/2023 8:46	0:01	AWE	0.01490	20.50000	Oversupply
6/15/2023 8:50	0:01	KWP	0.00500	2.69348	Oversupply
6/15/2023 9:06	0:12	17-2	0.04773	0.31100	Oversupply
6/15/2023 9:20	0:08	17-2	0.02805	0.43900	Oversupply
6/15/2023 9:29	0:04	17-2	0.01658	0.33000	Oversupply
6/15/2023 9:35	1:26	17-2	0.69219	0.75000	Oversupply
6/15/2023 9:42	0:01	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 9:43	0:01	KWP	0.00110	1.93504	Oversupply
6/15/2023 9:45	0:56	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 9:45	0:57	KWP	1.96089	4.29121	Oversupply
6/15/2023 9:47	0:52	AWE	3.25642	21.00000	Oversupply
6/15/2023 10:46	0:01	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/15/2023 10:52	0:01	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 10:52	0:03	KWPPI	0.02351	1.54883	Oversupply
6/15/2023 11:02	0:01	17-2	0.01020	0.75000	Oversupply
6/15/2023 11:04	5:10	17-2	2.67194	0.75000	Oversupply
6/15/2023 11:10	0:45	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 11:11	0:43	AWE	3.46342	21.00000	Oversupply
6/15/2023 11:12	0:02	KWPPI	0.00847	0.34030	Oversupply
6/15/2023 11:20	0:01	KWPPI	0.00218	0.13073	Oversupply
6/15/2023 11:33	0:04	KWPPI	0.02430	0.94706	Oversupply
6/15/2023 11:46	0:08	KWPPI	0.22022	2.11866	Oversupply
6/15/2023 11:58	0:01	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 12:01	0:59	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 12:02	0:09	KWPPI	0.05549	1.08877	Oversupply
6/15/2023 12:02	0:34	AWE	2.27490	21.00000	Oversupply
6/15/2023 12:14	0:03	KWPPI	0.02585	0.78639	Oversupply
6/15/2023 12:23	0:03	KWPPI	0.02214	0.89616	Oversupply
6/15/2023 12:28	0:06	KWPPI	0.03761	0.85425	Oversupply
6/15/2023 12:37	0:02	AWE	0.02472	20.90000	Oversupply
6/15/2023 12:40	0:06	AWE	0.13604	21.00000	Oversupply
6/15/2023 12:41	0:10	KWPPI	0.07674	0.69458	Oversupply
6/15/2023 12:48	0:03	AWE	0.02839	21.00000	Oversupply
6/15/2023 12:52	0:08	AWE	0.20704	21.00000	Oversupply
6/15/2023 12:53	0:07	KWPPI	0.05680	1.18058	Oversupply
6/15/2023 13:08	0:01	KWPPI	0.00451	0.61075	Oversupply
6/15/2023 13:15	0:03	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 13:16	0:02	KWPPI	0.01797	1.39215	Oversupply
6/15/2023 13:17	0:01	AWE	0.00391	21.00000	Oversupply
6/15/2023 13:19	0:04	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 13:19	0:10	KWPPI	0.06058	2.19550	Oversupply
6/15/2023 13:22	1:47	AWE	10.88950	21.00000	Oversupply
6/15/2023 13:24	2:46	BS250	Data is not available	Data is not available	Oversupply
6/15/2023 13:30	0:01	KWPPI	0.00033	0.01996	Oversupply
6/15/2023 13:32	2:39	KWPPI	26.35360	19.22960	Oversupply
6/15/2023 15:12	0:34	AWE	2.28658	21.00000	Oversupply
6/15/2023 15:47	0:04	AWE	0.03330	21.00000	Oversupply
6/16/2023 2:40	0:01	KWPPI	0.04198	14.85456	Oversupply
6/16/2023 2:43	0:01	KWPPI	0.03003	15.74873	Oversupply
6/16/2023 2:45	0:02	KWPPI	0.05918	16.67683	Oversupply
6/16/2023 2:58	0:19	KWPPI	0.99865	19.70263	Oversupply
6/16/2023 3:19	0:01	KWPPI	0.00417	18.72264	Oversupply
6/16/2023 3:21	0:07	KWPPI	0.14263	20.02297	Oversupply
6/16/2023 3:39	0:28	KWPPI	1.83258	17.67778	Oversupply
6/16/2023 4:08	0:04	KWPPI	0.07744	17.30953	Oversupply
6/16/2023 4:13	0:07	KWPPI	0.09685	18.83042	Oversupply
6/16/2023 4:26	0:22	KWPPI	1.21483	20.84230	Oversupply
6/16/2023 4:49	0:14	KWPPI	0.77978	19.47610	Oversupply
6/16/2023 5:04	0:13	KWPPI	0.47288	19.29447	Oversupply
6/16/2023 6:58	0:10	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 6:58	0:13	KWPPI	0.29546	19.50005	Oversupply
6/16/2023 6:58	0:15	17-2	0.00815	0.04500	Oversupply
6/16/2023 7:09	0:01	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 7:30	0:01	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 7:30	0:03	KWPPI	0.01242	20.74949	Oversupply
6/16/2023 7:31	6:50	17-2	3.41683	0.75000	Oversupply
6/16/2023 7:40	6:20	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 7:41	6:19	KWPPI	86.69638	21.06783	Oversupply
6/16/2023 10:49	0:01	AWE	0.00341	21.00000	Oversupply
6/16/2023 10:53	0:01	AWE	0.00107	21.00000	Oversupply
6/16/2023 10:55	0:07	AWE	0.01569	21.00000	Oversupply
6/16/2023 11:03	1:35	AWE	10.66997	21.00000	Oversupply
6/16/2023 12:39	0:13	AWE	0.59403	21.00000	Oversupply
6/16/2023 12:54	0:08	AWE	0.18361	21.00000	Oversupply
6/16/2023 13:10	0:19	AWE	0.69319	21.00000	Oversupply
6/16/2023 13:31	0:12	AWE	0.53302	21.00000	Oversupply
6/16/2023 13:49	0:03	AWE	0.04557	21.00000	Oversupply
6/16/2023 14:02	0:04	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 14:03	0:03	KWPPI	0.04624	11.82377	Oversupply
6/16/2023 14:07	0:03	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 14:08	0:02	KWPPI	0.01948	12.66904	Oversupply
6/16/2023 14:13	0:01	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 14:15	0:01	BS250	Data is not available	Data is not available	Oversupply
6/16/2023 14:30	0:04	17-2	0.03039	0.75000	Oversupply
6/16/2023 14:41	0:03	17-2	0.03286	0.75000	Oversupply
6/16/2023 15:20	0:01	17-2	0.00092	0.73300	Oversupply
6/16/2023 15:27	0:01	17-2	0.00185	0.71400	Oversupply
6/16/2023 15:45	0:02	17-2	0.01536	0.64100	Oversupply
6/17/2023 5:48	0:03	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/17/2023 5:49	0:03	KWP/II	0.02464	11.99542	Oversupply
6/17/2023 7:41	0:03	17-2	0.00877	0.25300	Oversupply
6/17/2023 8:18	0:08	17-2	0.01588	0.15200	Oversupply
6/17/2023 8:23	0:01	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 8:23	0:01	KWP/II	0.00835	1.86318	Oversupply
6/17/2023 8:29	0:18	17-2	0.03000	0.14400	Oversupply
6/17/2023 8:39	0:01	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 8:49	6:08	17-2	3.94741	0.75000	Oversupply
6/17/2023 8:52	0:04	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 8:53	0:01	KWP/II	0.00197	3.14755	Oversupply
6/17/2023 8:55	0:02	KWP/II	0.00885	3.65152	Oversupply
6/17/2023 8:57	2:10	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 8:58	1:41	KWP/II	5.32429	5.83704	Oversupply
6/17/2023 9:05	0:01	AWE	0.00455	19.70000	Oversupply
6/17/2023 9:07	0:01	AWE	0.00390	18.30000	Oversupply
6/17/2023 9:11	0:08	AWE	0.06534	17.70000	Oversupply
6/17/2023 9:20	1:47	AWE	6.07836	21.00000	Oversupply
6/17/2023 10:41	0:01	KWP/II	0.00300	0.37423	Oversupply
6/17/2023 11:09	1:43	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 11:09	1:40	AWE	7.85809	21.00000	Oversupply
6/17/2023 11:38	0:07	KWP/II	0.02120	0.62173	Oversupply
6/17/2023 11:46	0:05	KWP/II	0.00912	0.35128	Oversupply
6/17/2023 12:02	0:17	KWP/II	0.12614	1.00993	Oversupply
6/17/2023 12:20	0:01	KWP/II	0.00077	0.24051	Oversupply
6/17/2023 12:28	0:24	KWP/II	0.17964	1.24245	Oversupply
6/17/2023 12:51	0:02	AWE	0.04560	20.50000	Oversupply
6/17/2023 12:55	0:03	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 12:56	0:01	AWE	0.00791	21.00000	Oversupply
6/17/2023 12:56	0:02	KWP/II	0.01233	0.43311	Oversupply
6/17/2023 13:04	0:07	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:05	0:10	AWE	0.13456	21.00000	Oversupply
6/17/2023 13:12	0:02	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:15	0:04	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:16	0:03	AWE	0.03337	19.90000	Oversupply
6/17/2023 13:21	0:01	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:26	0:01	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:27	0:01	AWE	0.00642	20.70000	Oversupply
6/17/2023 13:52	0:15	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 13:52	0:16	AWE	0.65949	21.00000	Oversupply
6/17/2023 14:09	0:01	AWE	0.00167	20.80000	Oversupply
6/17/2023 14:12	0:01	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 14:14	0:13	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 14:14	0:02	AWE	0.00998	21.00000	Oversupply
6/17/2023 14:17	0:11	AWE	0.20135	21.00000	Oversupply
6/17/2023 14:29	0:06	BS250	Data is not available	Data is not available	Oversupply
6/17/2023 14:30	0:05	AWE	0.11356	21.00000	Oversupply
6/17/2023 14:57	0:01	KWP/II	0.00073	0.04391	Oversupply
6/17/2023 15:24	0:01	17-2	0.00099	0.71800	Oversupply
6/17/2023 17:31	0:01	KWP/II	0.00060	0.03593	Oversupply
6/18/2023 5:33	0:02	KWP/II	0.00950	4.25828	Oversupply
6/18/2023 5:36	0:54	KWP/II	5.36159	13.98335	Oversupply
6/18/2023 5:44	0:51	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 5:47	0:01	AWE	0.00488	13.70000	Oversupply
6/18/2023 5:52	0:01	AWE	0.00511	14.90000	Oversupply
6/18/2023 5:57	0:01	AWE	0.00476	16.70000	Oversupply
6/18/2023 6:31	0:04	KWP/II	0.07539	14.00231	Oversupply
6/18/2023 6:44	0:04	17-2	0.00180	0.02700	Oversupply
6/18/2023 6:50	3:26	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 6:50	6:24	17-2	2.82309	0.75000	Oversupply
6/18/2023 6:52	3:24	KWP/II	13.67325	14.57514	Oversupply
6/18/2023 7:28	0:02	AWE	0.03428	16.80000	Oversupply
6/18/2023 7:31	0:04	AWE	0.01220	16.50000	Oversupply
6/18/2023 7:38	0:06	AWE	0.18189	18.00000	Oversupply
6/18/2023 7:45	0:02	AWE	0.01173	17.90000	Oversupply
6/18/2023 8:29	1:36	AWE	9.01062	21.00000	Oversupply
6/18/2023 10:06	0:05	AWE	0.26236	19.30000	Oversupply
6/18/2023 10:14	0:01	AWE	0.01456	17.90000	Oversupply
6/18/2023 10:18	2:41	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 10:19	2:40	KWP/II	7.90357	6.23822	Oversupply
6/18/2023 10:23	0:05	AWE	0.05620	17.70000	Oversupply
6/18/2023 10:32	0:03	AWE	0.01805	15.80000	Oversupply
6/18/2023 10:40	0:05	AWE	0.06595	16.80000	Oversupply
6/18/2023 10:48	2:11	AWE	9.89504	19.90000	Oversupply
6/18/2023 13:00	0:05	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 13:00	0:06	KWP/II	0.14338	3.48885	Oversupply
6/18/2023 13:01	0:01	AWE	0.00809	17.90000	Oversupply
6/18/2023 13:15	0:01	17-2	0.01099	0.75000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/18/2023 13:23	0:26	17-2	0.30918	0.75000	Oversupply
6/18/2023 13:51	0:21	17-2	0.21510	0.75000	Oversupply
6/18/2023 14:05	0:01	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 14:06	0:01	KWPPII	0.00315	0.46106	Oversupply
6/18/2023 14:14	0:01	17-2	0.00250	0.72800	Oversupply
6/18/2023 14:55	0:01	17-2	0.00274	0.75000	Oversupply
6/18/2023 15:08	0:01	17-2	0.00046	0.75000	Oversupply
6/18/2023 15:10	0:01	17-2	0.00046	0.75000	Oversupply
6/18/2023 15:25	0:01	17-2	0.00046	0.75000	Oversupply
6/18/2023 15:27	0:01	17-2	0.00046	0.75000	Oversupply
6/18/2023 15:29	0:37	17-2	0.12646	0.75000	Oversupply
6/18/2023 15:48	0:06	BS250	Data is not available	Data is not available	Oversupply
6/18/2023 15:49	0:05	KWPPII	0.09432	3.22340	Oversupply
6/18/2023 16:07	0:01	17-2	0.00819	0.56500	Oversupply
6/18/2023 16:13	0:03	17-2	0.00911	0.54100	Oversupply
6/18/2023 16:17	0:01	17-2	0.00540	0.54300	Oversupply
6/18/2023 20:44	0:01	KWPPII	0.00123	0.07385	Oversupply
6/18/2023 22:00	0:01	KWPPII	0.00363	15.86450	Oversupply
6/18/2023 22:30	0:02	KWPPII	0.00494	17.18279	Oversupply
6/19/2023 3:09	0:01	KWPPII	0.00030	0.01796	Oversupply
6/19/2023 3:55	0:44	KWPPII	1.93701	14.46836	Oversupply
6/19/2023 5:24	0:08	KWPPII	0.17265	18.93321	Oversupply
6/19/2023 5:40	0:01	KWPPII	0.00029	15.21582	Oversupply
6/19/2023 6:13	0:24	17-2	0.00614	0.03500	Oversupply
6/19/2023 6:21	0:03	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 6:21	0:03	KWPPII	0.04833	17.51112	Oversupply
6/19/2023 6:27	0:07	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 6:27	0:01	KWPPII	0.00246	15.99423	Oversupply
6/19/2023 6:30	0:05	KWPPII	0.05022	15.16992	Oversupply
6/19/2023 6:40	0:01	17-2	0.00058	0.04500	Oversupply
6/19/2023 6:55	0:38	17-2	0.03034	0.05800	Oversupply
6/19/2023 7:00	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:03	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:05	0:04	KWPPII	0.02499	18.07596	Oversupply
6/19/2023 7:06	0:03	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:14	0:11	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:14	0:05	KWPPII	0.09949	18.41128	Oversupply
6/19/2023 7:20	0:05	KWPPII	0.07671	18.96814	Oversupply
6/19/2023 7:27	0:02	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:28	0:01	KWPPII	0.00376	17.75861	Oversupply
6/19/2023 7:34	2:06	17-2	0.25863	0.37500	Oversupply
6/19/2023 7:37	0:11	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 7:38	2:02	KWPPII	21.36577	17.42630	System Constraint
6/19/2023 7:49	1:51	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 8:04	0:01	AWE	0.00048	15.80000	Oversupply
6/19/2023 8:35	0:01	AWE	0.00481	17.50000	Oversupply
6/19/2023 8:46	0:54	AWE	4.26511	15.70000	Oversupply
6/19/2023 9:34	0:06	5A	Data is not available	Data is not available	Oversupply
6/19/2023 9:34	0:06	MS	Data is not available	Data is not available	Oversupply
6/19/2023 9:46	0:02	17-2	0.01290	0.72000	Oversupply
6/19/2023 9:49	0:24	17-2	0.24553	0.75000	Oversupply
6/19/2023 9:50	0:05	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 9:51	0:05	KWPPII	0.03755	5.65441	System Constraint
6/19/2023 9:59	0:03	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 9:59	0:03	KWPPII	0.02811	3.22240	System Constraint
6/19/2023 10:03	0:03	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:03	0:04	KWPPII	0.09394	5.17140	System Constraint
6/19/2023 10:08	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:09	0:01	KWPPII	0.00851	4.26027	System Constraint
6/19/2023 10:14	1:52	17-2	1.33198	0.75000	Oversupply
6/19/2023 10:16	0:01	KWPPII	0.00514	7.61939	System Constraint
6/19/2023 10:38	0:04	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:39	0:04	KWPPII	0.07073	8.25708	System Constraint
6/19/2023 10:43	0:02	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:47	0:08	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:47	0:08	KWPPII	0.19564	8.67622	System Constraint
6/19/2023 10:57	0:02	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 10:58	0:01	KWPPII	0.01282	8.04851	System Constraint
6/19/2023 11:00	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 11:01	0:01	KWPPII	0.00439	6.45178	System Constraint
6/19/2023 11:08	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 11:08	0:01	KWPPII	0.00814	5.50772	System Constraint
6/19/2023 11:11	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 11:12	0:01	KWPPII	0.00921	5.69134	System Constraint
6/19/2023 11:21	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 11:22	0:01	KWPPII	0.00533	5.38197	System Constraint
6/19/2023 11:32	0:01	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/19/2023 11:34	0:01	BS250	Data is not available	Data is not available	Oversupply
6/19/2023 12:07	0:09	17-2	0.09865	0.75000	Oversupply
6/19/2023 12:17	0:14	17-2	0.15908	0.75000	Oversupply
6/19/2023 12:32	0:07	17-2	0.08750	0.75000	Oversupply
6/19/2023 13:16	0:01	17-2	0.00117	0.75000	Oversupply
6/19/2023 13:20	0:02	17-2	0.01710	0.75000	Oversupply
6/19/2023 13:23	0:20	17-2	0.23273	0.75000	Oversupply
6/19/2023 13:30	0:02	SSA3	0.04277	0.67200	Oversupply
6/19/2023 13:32	0:02	SSA3	0.04312	0.50700	Oversupply
6/19/2023 13:34	0:02	SSA3	0.04312	1.49200	Oversupply
6/19/2023 13:36	0:02	SSA3	0.04312	0.28800	Oversupply
6/19/2023 13:40	0:02	SSA3	0.04242	1.08200	Oversupply
6/19/2023 13:44	0:01	17-2	0.01001	0.75000	Oversupply
6/19/2023 13:46	0:06	17-2	0.06465	0.75000	Oversupply
6/19/2023 13:46	0:02	SSA3	0.03518	2.03200	Oversupply
6/19/2023 13:56	0:18	17-2	0.21719	0.75000	Oversupply
6/19/2023 13:56	0:02	SSA3	0.03489	1.25000	Oversupply
6/19/2023 13:58	0:02	SSA3	0.03242	0.24600	Oversupply
6/19/2023 14:00	0:02	SSA3	0.04079	0.65300	Oversupply
6/19/2023 14:02	0:02	SSA3	0.04012	1.29000	Oversupply
6/19/2023 14:04	0:02	SSA3	0.04012	1.44300	Oversupply
6/19/2023 14:06	0:02	SSA3	0.04045	1.84300	Oversupply
6/19/2023 14:08	0:02	SSA3	0.04045	1.62600	Oversupply
6/19/2023 14:10	0:02	SSA3	0.04045	1.13700	Oversupply
6/19/2023 14:18	0:07	17-2	0.07621	0.75000	Oversupply
6/19/2023 14:18	0:02	SSA3	0.02594	0.91300	Oversupply
6/19/2023 14:20	0:02	SSA3	0.02573	1.58600	Oversupply
6/19/2023 14:26	0:12	17-2	0.13884	0.75000	Oversupply
6/19/2023 14:26	0:02	SSA3	0.02594	1.67100	Oversupply
6/19/2023 14:28	0:02	SSA3	0.02461	1.65400	Oversupply
6/19/2023 14:33	0:02	SSA3	0.02413	1.69400	Oversupply
6/19/2023 14:35	0:02	SSA3	0.02413	1.66500	Oversupply
6/19/2023 14:39	0:02	17-2	0.02500	0.75000	Oversupply
6/19/2023 14:39	0:02	SSA3	0.02413	1.68000	Oversupply
6/19/2023 14:44	0:02	17-2	0.01220	0.75000	Oversupply
6/19/2023 14:51	0:02	SSA3	0.02424	1.59600	Oversupply
6/19/2023 14:52	0:02	17-2	0.02500	0.75000	Oversupply
6/19/2023 14:55	0:02	17-2	0.01997	0.75000	Oversupply
6/19/2023 15:03	0:01	17-2	0.00087	0.75000	Oversupply
6/20/2023 9:07	0:02	17-2	0.00635	0.19400	Oversupply
6/20/2023 9:10	0:02	17-2	0.00482	0.18300	Oversupply
6/20/2023 9:22	0:39	17-2	0.29430	0.75000	Oversupply
6/20/2023 9:22	0:04	SSA3	0.06936	1.22900	Oversupply
6/20/2023 9:26	0:02	SSA3	0.03482	0.63000	Oversupply
6/20/2023 9:28	0:02	SSA3	0.03783	1.11800	Oversupply
6/20/2023 9:30	0:02	SSA3	0.05448	0.22300	Oversupply
6/20/2023 9:32	0:02	SSA3	0.05403	0.79200	Oversupply
6/20/2023 9:34	0:02	SSA3	0.05358	1.29200	Oversupply
6/20/2023 9:36	0:02	SSA3	0.05403	0.04100	Oversupply
6/20/2023 9:38	0:02	SSA3	0.05358	0.85800	Oversupply
6/20/2023 9:40	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 9:40	0:04	SSA3	0.10806	0.01200	Oversupply
6/20/2023 9:41	0:03	AWE	0.01620	7.00000	Oversupply
6/20/2023 9:43	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 9:44	0:02	SSA3	0.04945	-0.00200	Oversupply
6/20/2023 9:46	0:02	SSA3	0.05266	0.16000	Oversupply
6/20/2023 9:48	0:02	SSA3	0.05266	0.51800	Oversupply
6/20/2023 9:50	0:02	SSA3	0.05871	0.14400	Oversupply
6/20/2023 9:52	0:02	SSA3	0.05180	0.75800	Oversupply
6/20/2023 9:54	0:02	SSA3	0.05223	0.55700	Oversupply
6/20/2023 9:56	0:02	SSA3	0.05266	0.84300	Oversupply
6/20/2023 9:58	0:02	SSA3	0.03811	0.47500	Oversupply
6/20/2023 10:00	0:02	SSA3	0.02610	1.41000	Oversupply
6/20/2023 10:02	2:39	17-2	1.91680	0.75000	Oversupply
6/20/2023 10:05	0:02	SSA3	0.02632	1.43200	Oversupply
6/20/2023 10:07	0:02	SSA3	0.02632	1.44300	Oversupply
6/20/2023 10:09	0:02	SSA3	0.02610	1.45600	Oversupply
6/20/2023 10:11	0:02	SSA3	0.02610	1.45800	Oversupply
6/20/2023 10:13	0:02	SSA3	0.02968	1.47800	Oversupply
6/20/2023 10:15	0:02	SSA3	0.04122	1.49000	Oversupply
6/20/2023 10:17	0:02	SSA3	0.04157	1.50200	Oversupply
6/20/2023 10:19	0:02	SSA3	0.04157	0.88500	Oversupply
6/20/2023 10:21	0:02	SSA3	0.04191	0.33600	Oversupply
6/20/2023 10:23	0:02	SSA3	0.04122	0.95600	Oversupply
6/20/2023 10:25	0:02	SSA3	0.04122	0.88700	Oversupply
6/20/2023 10:27	0:02	SSA3	0.04157	1.53300	Oversupply
6/20/2023 10:29	0:02	SSA3	0.04423	1.55600	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/20/2023 10:33	0:02	SSA3	0.04797	1.56700	Oversupply
6/20/2023 10:35	0:02	SSA3	0.04877	0.64800	Oversupply
6/20/2023 10:37	0:02	SSA3	0.04837	0.54600	Oversupply
6/20/2023 10:39	0:02	SSA3	0.04837	0.52200	Oversupply
6/20/2023 10:41	0:02	SSA3	0.04837	1.10400	Oversupply
6/20/2023 10:43	0:02	SSA3	0.04964	1.31800	Oversupply
6/20/2023 10:45	0:02	SSA3	0.05874	1.19400	Oversupply
6/20/2023 10:47	0:02	SSA3	0.05874	1.60300	Oversupply
6/20/2023 10:49	0:02	SSA3	0.05874	0.43300	Oversupply
6/20/2023 10:51	0:02	SSA3	0.05874	1.17000	Oversupply
6/20/2023 10:53	0:02	SSA3	0.05874	0.79200	Oversupply
6/20/2023 10:55	0:02	SSA3	0.05922	0.20300	Oversupply
6/20/2023 10:56	0:01	AWE	0.00356	7.20000	Oversupply
6/20/2023 10:57	0:02	SSA3	0.05922	0.23200	Oversupply
6/20/2023 10:59	0:02	SSA3	0.07078	0.45300	Oversupply
6/20/2023 11:01	0:02	SSA3	0.07766	1.35900	Oversupply
6/20/2023 11:03	0:02	SSA3	0.07766	0.39700	Oversupply
6/20/2023 11:05	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:05	0:02	SSA3	0.07766	0.07100	Oversupply
6/20/2023 11:06	0:02	KWP11	0.00541	0.31735	System Constraint
6/20/2023 11:07	0:02	SSA3	0.07639	-0.00400	Oversupply
6/20/2023 11:09	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:09	0:02	SSA3	0.07702	-0.00300	Oversupply
6/20/2023 11:11	0:01	AWE	0.00402	6.80000	Oversupply
6/20/2023 11:11	0:01	KWP11	0.00645	0.38721	System Constraint
6/20/2023 11:11	0:02	SSA3	0.07766	-0.00200	Oversupply
6/20/2023 11:12	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:13	0:01	AWE	0.00251	7.00000	Oversupply
6/20/2023 11:13	0:01	KWP11	0.00060	0.03593	System Constraint
6/20/2023 11:13	0:02	SSA3	0.07830	0.46900	Oversupply
6/20/2023 11:14	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:15	0:01	AWE	0.00055	7.00000	Oversupply
6/20/2023 11:15	0:01	KWP11	0.00116	0.06986	System Constraint
6/20/2023 11:15	0:02	SSA3	0.08583	0.52700	Oversupply
6/20/2023 11:17	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:17	0:02	SSA3	0.08442	0.04200	Oversupply
6/20/2023 11:18	0:02	AWE	0.01471	7.90000	Oversupply
6/20/2023 11:19	0:02	SSA3	0.08724	-0.00400	Oversupply
6/20/2023 11:20	0:11	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:21	0:01	KWP11	0.00078	0.04690	System Constraint
6/20/2023 11:21	0:02	AWE	0.01569	8.50000	Oversupply
6/20/2023 11:21	0:02	SSA3	0.08513	-0.00300	Oversupply
6/20/2023 11:23	0:02	SSA3	0.08513	0.20400	Oversupply
6/20/2023 11:24	0:01	AWE	0.00919	7.90000	Oversupply
6/20/2023 11:25	0:02	SSA3	0.08583	-0.00300	Oversupply
6/20/2023 11:26	0:05	AWE	0.03975	7.50000	Oversupply
6/20/2023 11:27	0:34	SSA3	1.53234	-0.00300	Oversupply
6/20/2023 11:32	0:29	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 11:32	0:32	AWE	1.00398	10.00000	Oversupply
6/20/2023 12:02	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:02	0:02	SSA3	0.09110	-0.00300	Oversupply
6/20/2023 12:04	0:02	SSA3	0.09035	0.00200	Oversupply
6/20/2023 12:05	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:05	0:01	AWE	0.01357	9.60000	Oversupply
6/20/2023 12:06	0:02	SSA3	0.09110	-0.00400	Oversupply
6/20/2023 12:08	0:03	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:08	0:10	SSA3	0.42148	-0.00200	Oversupply
6/20/2023 12:09	0:01	AWE	0.00492	9.60000	Oversupply
6/20/2023 12:11	0:01	AWE	0.01117	9.20000	Oversupply
6/20/2023 12:12	0:04	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:14	0:02	AWE	0.02976	11.00000	Oversupply
6/20/2023 12:17	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:17	0:03	AWE	0.02232	10.40000	Oversupply
6/20/2023 12:18	0:02	SSA3	0.07268	-0.00300	Oversupply
6/20/2023 12:20	0:02	SSA3	0.07328	0.37800	Oversupply
6/20/2023 12:22	0:02	SSA3	0.07208	0.71900	Oversupply
6/20/2023 12:24	0:02	SSA3	0.07208	0.88600	Oversupply
6/20/2023 12:26	0:02	SSA3	0.07328	1.03100	Oversupply
6/20/2023 12:28	0:02	SSA3	0.07548	0.62200	Oversupply
6/20/2023 12:30	0:02	SSA3	0.02712	0.87500	Oversupply
6/20/2023 12:32	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:32	0:02	SSA3	0.03001	0.00600	Oversupply
6/20/2023 12:34	0:02	SSA3	0.02690	0.03400	Oversupply
6/20/2023 12:35	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 12:36	0:02	AWE	0.00823	10.00000	Oversupply
6/20/2023 12:36	0:02	SSA3	0.02690	-0.00300	Oversupply
6/20/2023 12:38	0:02	SSA3	0.02690	0.11100	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/20/2023 12:42	0:12	17-2	0.12678	0.75000	Oversupply
6/20/2023 12:42	0:02	SSA3	0.02690	0.51800	Oversupply
6/20/2023 12:44	0:02	SSA3	0.01694	1.03700	Oversupply
6/20/2023 12:46	0:02	SSA3	0.02314	0.96600	Oversupply
6/20/2023 12:48	0:02	SSA3	0.02314	0.71400	Oversupply
6/20/2023 12:50	0:02	SSA3	0.02352	0.41400	Oversupply
6/20/2023 12:54	0:02	SSA3	0.02352	0.65500	Oversupply
6/20/2023 12:55	2:34	17-2	1.88984	0.75000	Oversupply
6/20/2023 12:56	0:02	SSA3	0.02333	0.67700	Oversupply
6/20/2023 12:58	0:04	SSA3	0.10903	0.10900	Oversupply
6/20/2023 13:01	0:01	AWE	0.00522	13.90000	Oversupply
6/20/2023 13:03	0:02	SSA3	0.07764	-0.00300	Oversupply
6/20/2023 13:04	1:04	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 13:04	1:04	AWE	3.47659	14.50000	Oversupply
6/20/2023 13:05	1:02	SSA3	2.50959	-0.00200	Oversupply
6/20/2023 13:20	0:01	KWPPII	0.00128	0.07684	System Constraint
6/20/2023 13:23	0:02	KWPPII	0.00652	0.26346	System Constraint
6/20/2023 13:52	0:03	KWPPII	0.01494	0.54488	System Constraint
6/20/2023 13:58	0:01	KWPPII	0.00409	0.24550	System Constraint
6/20/2023 14:07	0:02	SSA3	0.07424	0.04100	Oversupply
6/20/2023 14:09	0:01	AWE	0.00522	13.10000	Oversupply
6/20/2023 14:09	0:30	SSA3	1.03802	0.13700	Oversupply
6/20/2023 14:10	0:30	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 14:12	0:25	AWE	1.10850	15.10000	Oversupply
6/20/2023 14:14	0:26	KWPPII	0.77527	2.97590	System Constraint
6/20/2023 14:39	0:02	SSA3	0.07173	-0.00200	Oversupply
6/20/2023 14:41	0:02	SSA3	0.07114	0.18600	Oversupply
6/20/2023 14:43	0:02	SSA3	0.06869	1.34100	Oversupply
6/20/2023 14:45	0:02	SSA3	0.06860	1.58300	Oversupply
6/20/2023 14:48	0:02	SSA3	0.06015	1.57900	Oversupply
6/20/2023 14:50	0:02	SSA3	0.05965	0.11100	Oversupply
6/20/2023 14:51	0:01	KWPPII	0.00473	3.92496	System Constraint
6/20/2023 14:52	0:02	SSA3	0.06015	0.19100	Oversupply
6/20/2023 14:53	0:02	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 14:53	0:02	KWPPII	0.01207	3.99282	System Constraint
6/20/2023 14:54	0:02	SSA3	0.06015	-0.00300	Oversupply
6/20/2023 14:56	0:02	SSA3	0.06562	-0.00300	Oversupply
6/20/2023 14:57	0:04	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 14:58	0:03	KWPPII	0.01736	4.40697	System Constraint
6/20/2023 14:58	0:02	SSA3	0.05848	-0.00200	Oversupply
6/20/2023 15:00	0:02	SSA3	0.04892	0.17900	Oversupply
6/20/2023 15:02	0:02	SSA3	0.04974	0.17100	Oversupply
6/20/2023 15:03	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 15:04	0:02	KWPPII	0.00840	3.73036	System Constraint
6/20/2023 15:04	0:02	SSA3	0.04933	0.00300	Oversupply
6/20/2023 15:06	0:02	SSA3	0.04933	0.45600	Oversupply
6/20/2023 15:08	0:02	SSA3	0.04933	1.01000	Oversupply
6/20/2023 15:10	0:02	SSA3	0.04974	1.45700	Oversupply
6/20/2023 15:12	0:02	SSA3	0.04933	0.77200	Oversupply
6/20/2023 15:14	0:02	SSA3	0.03173	0.01100	Oversupply
6/20/2023 15:15	0:01	KWPPII	0.00241	3.40702	System Constraint
6/20/2023 15:16	0:02	SSA3	0.02300	0.65300	Oversupply
6/20/2023 15:18	0:02	SSA3	0.02319	1.38400	Oversupply
6/20/2023 15:20	0:02	SSA3	0.02300	1.37700	Oversupply
6/20/2023 15:22	0:02	SSA3	0.02319	1.36200	Oversupply
6/20/2023 15:24	0:02	SSA3	0.02300	1.34900	Oversupply
6/20/2023 15:26	0:02	SSA3	0.02319	1.34400	Oversupply
6/20/2023 15:30	0:01	17-2	0.01193	0.71600	Oversupply
6/20/2023 15:39	0:01	17-2	0.01132	0.68800	Oversupply
6/20/2023 15:45	0:10	17-2	0.10006	0.67600	Oversupply
6/20/2023 15:57	0:04	17-2	0.03383	0.66100	Oversupply
6/20/2023 16:04	0:16	17-2	0.15243	0.61400	Oversupply
6/20/2023 16:05	0:02	SSA3	0.02271	1.11000	Oversupply
6/20/2023 16:07	0:02	SSA3	0.02271	0.82800	Oversupply
6/20/2023 16:09	0:02	SSA3	0.02289	0.81100	Oversupply
6/20/2023 16:11	0:02	SSA3	0.02289	0.45800	Oversupply
6/20/2023 16:12	0:01	BS250	Data is not available	Data is not available	Oversupply
6/20/2023 16:13	0:02	SSA3	0.02253	0.42500	Oversupply
6/20/2023 16:15	0:02	SSA3	0.01409	1.02700	Oversupply
6/20/2023 16:17	0:02	SSA3	0.01433	1.02200	Oversupply
6/21/2023 3:06	0:41	KWPPII	2.45634	9.54444	Oversupply
6/21/2023 3:13	0:06	AWE	0.02034	20.50000	Oversupply
6/21/2023 3:48	0:09	KWPPII	0.32205	9.19017	Oversupply
6/21/2023 4:51	11:55	KWPPII	164.15464	20.29442	Oversupply
6/21/2023 5:08	0:01	AWE	0.00240	17.90000	Oversupply
6/21/2023 5:44	11:01	BS250	Data is not available	Data is not available	Oversupply
6/21/2023 5:54	0:27	AWE	1.64672	21.00000	Oversupply





Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/21/2023 5:59	10:46	SSA3	17.68112	-0.00100	Oversupply
6/21/2023 6:24	0:01	AWE	0.00438	16.30000	Oversupply
6/21/2023 6:28	0:03	AWE	0.03043	17.60000	Oversupply
6/21/2023 6:36	10:17	17-2	4.35913	0.75000	Oversupply
6/21/2023 7:07	0:01	AWE	0.00531	19.80000	Oversupply
6/21/2023 7:20	0:01	AWE	0.00557	19.30000	Oversupply
6/21/2023 7:22	0:11	AWE	0.15363	18.10000	Oversupply
6/21/2023 7:35	0:04	AWE	0.05264	16.00000	Oversupply
6/21/2023 7:41	0:16	AWE	0.93139	17.10000	Oversupply
6/21/2023 7:58	0:09	AWE	0.22749	15.80000	Oversupply
6/21/2023 8:09	7:27	AWE	85.49305	21.00000	Oversupply
6/21/2023 8:22	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:22	0:03	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:24	0:01	KWP	0.00163	22.48000	Oversupply
6/21/2023 8:26	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:26	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:26	0:01	KWP	0.00267	21.68000	Oversupply
6/21/2023 8:29	0:02	KWP	0.00599	20.40000	Oversupply
6/21/2023 8:35	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:35	0:03	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:35	0:01	KWP	0.00267	21.68000	Oversupply
6/21/2023 8:40	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:40	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:46	0:06	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:46	0:06	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:49	0:02	KWP	0.00469	15.12000	Oversupply
6/21/2023 8:53	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:53	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 8:58	0:01	KWP	0.00080	13.36000	Oversupply
6/21/2023 8:59	0:18	5A	Data is not available	Data is not available	Oversupply
6/21/2023 8:59	0:18	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:19	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:19	0:03	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:19	0:01	KWP	0.00533	9.52000	Oversupply
6/21/2023 9:25	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:25	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:27	0:04	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:27	0:04	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:29	0:01	KWP	0.00533	8.08000	Oversupply
6/21/2023 9:32	0:04	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:32	0:04	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:33	0:01	KWP	0.00533	7.28000	Oversupply
6/21/2023 9:37	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:37	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:39	0:04	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:39	0:04	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:41	0:01	KWP	0.00205	4.88000	Oversupply
6/21/2023 9:44	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:44	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:50	0:07	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:50	0:07	MS	Data is not available	Data is not available	Oversupply
6/21/2023 9:58	0:07	5A	Data is not available	Data is not available	Oversupply
6/21/2023 9:58	0:07	MS	Data is not available	Data is not available	Oversupply
6/21/2023 10:06	1:40	5A	Data is not available	Data is not available	Oversupply
6/21/2023 10:06	1:40	MS	Data is not available	Data is not available	Oversupply
6/21/2023 10:08	0:01	KWP	0.00133	0.08000	Oversupply
6/21/2023 10:24	0:01	KWP	0.00133	0.08000	Oversupply
6/21/2023 10:27	0:01	KWP	0.00133	0.08000	Oversupply
6/21/2023 10:49	0:01	KWP	0.00133	0.08000	Oversupply
6/21/2023 11:53	0:10	5A	Data is not available	Data is not available	Oversupply
6/21/2023 11:53	0:10	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:15	0:07	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:15	0:07	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:23	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:23	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:29	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:29	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:35	0:05	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:35	0:05	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:38	0:01	KWP	0.00267	1.68000	Oversupply
6/21/2023 12:40	0:02	KWP	0.00533	1.52000	Oversupply
6/21/2023 12:42	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:42	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:46	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:46	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:49	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:49	0:03	MS	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/21/2023 12:56	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 12:56	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 12:57	0:01	KWP	0.00533	9.36000	Oversupply
6/21/2023 13:01	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:01	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:04	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:04	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:05	0:02	KWP	0.00533	12.88000	System Constraint
6/21/2023 13:06	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:06	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:14	0:02	KWP	0.00800	13.84000	System Constraint
6/21/2023 13:16	0:06	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:16	0:06	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:27	0:01	KWP	0.00267	13.20000	System Constraint
6/21/2023 13:30	0:01	KWP	0.00533	13.36000	System Constraint
6/21/2023 13:32	0:01	KWP	0.00067	13.04000	System Constraint
6/21/2023 13:34	0:01	KWP	0.00267	13.20000	System Constraint
6/21/2023 13:36	0:01	KWP	0.00267	13.20000	System Constraint
6/21/2023 13:42	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:42	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:45	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:45	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:49	0:04	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:49	0:04	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:51	0:01	KWP	0.00533	14.96000	System Constraint
6/21/2023 13:53	0:01	KWP	0.00533	12.08000	System Constraint
6/21/2023 13:54	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:54	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 13:57	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 13:57	0:03	MS	Data is not available	Data is not available	Oversupply
6/21/2023 14:15	0:03	5A	Data is not available	Data is not available	Oversupply
6/21/2023 14:15	0:03	MS	Data is not available	Data is not available	Oversupply
6/21/2023 14:15	0:01	KWP	0.00533	13.36000	System Constraint
6/21/2023 14:20	0:02	5A	Data is not available	Data is not available	Oversupply
6/21/2023 14:20	0:02	MS	Data is not available	Data is not available	Oversupply
6/21/2023 14:30	0:06	5A	Data is not available	Data is not available	Oversupply
6/21/2023 14:30	0:06	MS	Data is not available	Data is not available	Oversupply
6/21/2023 14:37	0:06	5A	Data is not available	Data is not available	Oversupply
6/21/2023 14:37	0:06	MS	Data is not available	Data is not available	Oversupply
6/21/2023 15:11	0:01	5A	Data is not available	Data is not available	Oversupply
6/21/2023 15:11	0:01	MS	Data is not available	Data is not available	Oversupply
6/21/2023 15:24	0:01	KWP	0.00267	10.16000	System Constraint
6/21/2023 15:37	0:01	KWP	0.00267	10.16000	System Constraint
6/21/2023 15:37	0:36	AWE	2.59880	20.70000	Oversupply
6/21/2023 15:47	0:01	KWP	0.00267	13.52000	System Constraint
6/21/2023 15:51	0:01	KWP	0.00067	13.04000	System Constraint
6/21/2023 16:05	0:01	KWP	0.00067	13.04000	Oversupply
6/21/2023 16:11	0:01	KWP	0.00267	13.20000	Oversupply
6/21/2023 16:14	0:03	AWE	0.10386	18.70000	Oversupply
6/21/2023 16:18	0:01	KWP	0.00267	13.20000	Oversupply
6/21/2023 16:18	0:02	AWE	0.00738	19.50000	Oversupply
6/21/2023 16:21	0:01	KWP	0.00067	13.04000	Oversupply
6/21/2023 16:24	0:01	KWP	0.00067	13.04000	Oversupply
6/21/2023 16:31	0:01	AWE	0.00015	21.00000	Oversupply
6/21/2023 16:34	0:08	AWE	0.30766	19.90000	Oversupply
6/21/2023 16:46	0:03	BS250	Data is not available	Data is not available	Oversupply
6/21/2023 16:46	0:02	SSA3	0.01549	-0.00300	Oversupply
6/21/2023 16:47	0:01	KWP	0.12613	17.66680	Oversupply
6/21/2023 16:48	0:02	SSA3	0.01536	-0.00200	Oversupply
6/21/2023 16:52	0:02	SSA3	0.01536	0.73000	Oversupply
6/21/2023 22:16	0:39	KWP	4.99989	21.05686	Oversupply
6/21/2023 23:12	0:05	KWP	0.20465	18.44022	Oversupply
6/21/2023 23:19	0:29	KWP	1.37000	21.09378	Oversupply
6/22/2023 0:00	0:01	KWP	0.00360	20.82134	Oversupply
6/22/2023 0:02	0:05	KWP	0.06100	20.96005	Oversupply
6/22/2023 0:09	0:53	KWP	2.45675	21.07682	Oversupply
6/22/2023 1:03	0:02	KWP	0.01053	20.89718	Oversupply
6/22/2023 1:06	1:07	KWP	5.85724	20.99598	Oversupply
6/22/2023 2:15	0:02	KWP	0.02746	18.31647	Oversupply
6/22/2023 2:22	0:01	KWP	0.00136	16.99518	Oversupply
6/22/2023 2:28	0:01	KWP	0.00472	15.43038	Oversupply
6/22/2023 2:32	0:02	KWP	0.02945	16.39341	Oversupply
6/22/2023 3:06	0:16	KWP	0.48647	18.67474	Oversupply
6/22/2023 3:23	0:01	KWP	0.00212	16.34052	Oversupply
6/22/2023 3:32	1:19	KWP	8.59671	21.06085	Oversupply
6/22/2023 5:20	0:04	KWP	0.05876	20.88721	Oversupply
6/22/2023 5:26	0:08	KWP	0.24987	20.74250	Oversupply



**Maui Curtailment Report**

**June 2023**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/22/2023 5:36	0:28	KWP	0.90582	20.67664	Oversupply
6/22/2023 5:44	0:16	BS250	Data is not available	Data is not available	Oversupply
6/22/2023 6:01	0:02	BS250	Data is not available	Data is not available	Oversupply
6/22/2023 6:10	11:23	BS250	Data is not available	Data is not available	Oversupply
6/22/2023 6:10	11:23	SSA3	19.53133	0.02200	Oversupply
6/22/2023 6:11	11:23	KWP	213.90890	21.09478	Oversupply
6/22/2023 6:15	11:28	17-2	4.15715	0.75000	Oversupply
6/22/2023 7:54	9:08	AWE	155.06532	21.00000	Oversupply
6/22/2023 8:05	0:01	KWP	0.00267	20.24000	System Constraint
6/22/2023 8:41	0:01	KWP	0.00267	18.16000	Oversupply
6/22/2023 8:49	0:01	KWP	0.00533	18.48000	Oversupply
6/22/2023 9:15	0:01	KWP	0.00267	18.16000	Oversupply
6/22/2023 9:27	0:11	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:27	0:11	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:39	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:39	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:42	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:42	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:45	0:03	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:45	0:03	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:50	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:50	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:54	0:04	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:54	0:04	MS	Data is not available	Data is not available	Oversupply
6/22/2023 9:59	0:10	5A	Data is not available	Data is not available	Oversupply
6/22/2023 9:59	0:10	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:10	0:09	5A	Data is not available	Data is not available	Oversupply
6/22/2023 10:10	0:09	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:12	0:01	KWP	0.00267	9.68000	Oversupply
6/22/2023 10:14	0:01	KWP	0.00267	8.56000	Oversupply
6/22/2023 10:19	0:01	KWP	0.00267	7.60000	Oversupply
6/22/2023 10:20	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 10:20	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:24	0:11	5A	Data is not available	Data is not available	Oversupply
6/22/2023 10:24	0:11	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:38	0:04	5A	Data is not available	Data is not available	Oversupply
6/22/2023 10:38	0:04	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:39	0:01	KWP	0.00267	8.40000	Oversupply
6/22/2023 10:42	0:01	KWP	0.00236	7.44000	Oversupply
6/22/2023 10:44	0:17	5A	Data is not available	Data is not available	Oversupply
6/22/2023 10:44	0:17	MS	Data is not available	Data is not available	Oversupply
6/22/2023 10:57	0:01	KWP	0.00133	0.08000	Oversupply
6/22/2023 11:01	0:01	KWP	0.00133	0.08000	Oversupply
6/22/2023 11:03	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:03	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:05	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:05	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:07	0:04	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:07	0:04	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:13	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:13	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:19	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:19	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:21	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:21	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:23	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:23	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:23	0:01	KWP	0.00267	8.72000	Oversupply
6/22/2023 11:25	0:01	KWP	0.00267	8.08000	Oversupply
6/22/2023 11:27	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:27	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:27	0:01	KWP	0.00267	9.84000	Oversupply
6/22/2023 11:30	0:03	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:30	0:03	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:30	0:01	KWP	0.00202	8.24000	Oversupply
6/22/2023 11:34	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:34	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:37	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:37	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:39	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:39	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:43	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:43	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:46	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:46	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 11:48	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 11:48	0:01	MS	Data is not available	Data is not available	Oversupply





Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/22/2023 13:58	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 13:58	0:01	KWP	0.00267	10.64000	Oversupply
6/22/2023 14:00	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:00	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:01	0:01	KWP	0.00267	9.84000	Oversupply
6/22/2023 14:02	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:02	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:04	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:04	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:08	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:08	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:34	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:34	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:36	0:07	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:36	0:07	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:40	0:01	KWP	0.00267	18.64000	Oversupply
6/22/2023 14:45	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:45	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:47	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:47	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:50	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:50	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 14:57	0:03	5A	Data is not available	Data is not available	Oversupply
6/22/2023 14:57	0:03	MS	Data is not available	Data is not available	Oversupply
6/22/2023 15:02	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 15:02	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 15:05	0:05	5A	Data is not available	Data is not available	Oversupply
6/22/2023 15:05	0:05	MS	Data is not available	Data is not available	Oversupply
6/22/2023 15:12	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 15:12	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 15:14	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 15:14	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:02	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:02	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:04	0:01	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:04	0:01	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:11	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:11	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:15	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:15	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:18	0:06	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:18	0:06	MS	Data is not available	Data is not available	Oversupply
6/22/2023 16:27	0:02	5A	Data is not available	Data is not available	Oversupply
6/22/2023 16:27	0:02	MS	Data is not available	Data is not available	Oversupply
6/22/2023 17:04	0:02	AWE	0.02531	21.00000	Oversupply
6/22/2023 17:07	0:01	AWE	0.00691	21.00000	Oversupply
6/22/2023 17:33	0:02	SSA3	0.01234	0.19100	Oversupply
6/22/2023 17:35	0:02	SSA3	0.01234	0.39600	Oversupply
6/22/2023 17:37	0:02	SSA3	0.01224	0.23600	Oversupply
6/22/2023 17:39	0:02	SSA3	0.01224	0.15400	Oversupply
6/22/2023 21:42	0:11	KWP11	0.16941	20.89718	Oversupply
6/22/2023 21:54	0:01	KWP11	0.00036	20.78741	Oversupply
6/22/2023 22:41	0:02	KWP11	0.01151	21.04388	Oversupply
6/22/2023 22:48	0:02	KWP11	0.01803	19.45614	Oversupply
6/22/2023 22:53	0:34	KWP11	1.59071	19.38528	Oversupply
6/22/2023 23:30	0:01	KWP11	0.00137	18.94818	Oversupply
6/22/2023 23:40	17:49	KWP11	237.73863	19.54396	Oversupply
6/23/2023 5:00	0:07	AWE	0.08819	21.00000	Oversupply
6/23/2023 5:17	0:10	AWE	0.18700	21.00000	Oversupply
6/23/2023 5:28	0:01	AWE	0.00224	21.00000	Oversupply
6/23/2023 5:30	0:01	AWE	0.00074	21.00000	Oversupply
6/23/2023 5:32	0:01	AWE	0.00224	21.00000	Oversupply
6/23/2023 5:44	8:04	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 5:47	0:02	AWE	0.01473	21.00000	Oversupply
6/23/2023 5:50	0:10	AWE	0.39907	21.00000	Oversupply
6/23/2023 6:00	7:48	SSA3	13.44634	0.00500	Oversupply
6/23/2023 6:02	0:01	AWE	0.00024	21.00000	Oversupply
6/23/2023 6:14	7:52	17-2	3.21285	0.75000	Oversupply
6/23/2023 6:49	1:33	AWE	8.97439	21.00000	Oversupply
6/23/2023 8:47	0:02	AWE	0.01083	21.00000	Oversupply
6/23/2023 8:53	0:01	AWE	0.00041	21.00000	Oversupply
6/23/2023 9:18	0:01	AWE	0.00007	21.00000	Oversupply
6/23/2023 9:20	0:12	AWE	0.28255	21.00000	Oversupply
6/23/2023 9:35	0:01	AWE	0.00224	21.00000	Oversupply
6/23/2023 9:39	2:59	AWE	17.98711	21.00000	Oversupply
6/23/2023 12:40	0:47	AWE	3.51927	21.00000	Oversupply
6/23/2023 13:48	0:02	SSA3	0.04680	0.43200	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/23/2023 13:50	0:02	SSA3	0.04642	1.04300	Oversupply
6/23/2023 13:52	0:02	SSA3	0.04642	1.81000	Oversupply
6/23/2023 13:54	0:02	SSA3	0.04680	1.09300	Oversupply
6/23/2023 13:56	0:02	SSA3	0.04642	0.82700	Oversupply
6/23/2023 13:58	0:02	SSA3	0.04811	0.96000	Oversupply
6/23/2023 14:00	0:02	SSA3	0.02049	1.61100	Oversupply
6/23/2023 14:02	0:02	SSA3	0.02032	1.25600	Oversupply
6/23/2023 14:09	0:05	17-2	0.05130	0.75000	Oversupply
6/23/2023 14:10	0:02	SSA3	0.02015	0.57700	Oversupply
6/23/2023 14:12	0:02	SSA3	0.02032	0.52700	Oversupply
6/23/2023 14:14	0:02	SSA3	0.04410	0.87200	Oversupply
6/23/2023 14:15	2:20	17-2	1.33486	0.75000	Oversupply
6/23/2023 14:16	2:10	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 14:16	2:11	SSA3	3.63278	0.12400	Oversupply
6/23/2023 14:31	1:14	AWE	8.30914	21.00000	Oversupply
6/23/2023 16:02	0:04	AWE	0.03719	21.00000	Oversupply
6/23/2023 16:27	0:02	SSA3	0.04653	-0.00300	Oversupply
6/23/2023 16:29	0:02	SSA3	0.03820	0.20100	Oversupply
6/23/2023 16:42	0:50	17-2	0.23363	0.46600	Oversupply
6/23/2023 16:42	0:02	SSA3	0.01102	0.15700	Oversupply
6/23/2023 16:43	0:23	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 16:44	0:02	SSA3	0.01671	0.00500	Oversupply
6/23/2023 16:46	0:20	SSA3	0.13290	-0.00400	Oversupply
6/23/2023 17:06	0:04	SSA3	0.03286	0.24500	Oversupply
6/23/2023 17:07	0:01	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 17:09	0:01	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 17:10	0:02	SSA3	0.01656	-0.00400	Oversupply
6/23/2023 17:11	0:18	BS250	Data is not available	Data is not available	Oversupply
6/23/2023 17:12	0:18	SSA3	0.22525	-0.00400	Oversupply
6/23/2023 23:19	18:24	KWP/II	235.62210	21.11274	Oversupply
6/24/2023 5:44	11:58	BS250	Data is not available	Data is not available	Oversupply
6/24/2023 5:59	11:42	SSA3	18.93774	0.00900	Oversupply
6/24/2023 6:26	11:19	17-2	4.08108	0.75000	Oversupply
6/24/2023 9:31	4:24	AWE	46.40004	21.00000	Oversupply
6/24/2023 13:58	0:08	AWE	0.22837	21.00000	Oversupply
6/24/2023 14:11	0:01	AWE	0.00057	21.00000	Oversupply
6/24/2023 14:13	0:08	AWE	0.18435	21.00000	Oversupply
6/24/2023 15:28	0:01	AWE	0.00091	21.00000	Oversupply
6/24/2023 15:54	0:24	AWE	1.57744	21.00000	Oversupply
6/24/2023 17:42	0:02	SSA3	0.02124	0.03400	Oversupply
6/24/2023 23:06	0:14	KWP/II	0.41878	19.58188	Oversupply
6/24/2023 23:28	1:00	KWP/II	5.27081	21.09578	Oversupply
6/25/2023 0:37	15:33	KWP/II	229.85935	21.07482	Oversupply
6/25/2023 5:44	10:25	BS250	Data is not available	Data is not available	Oversupply
6/25/2023 6:00	10:10	SSA3	18.63688	0.01500	Oversupply
6/25/2023 6:19	10:18	17-2	5.00535	0.75000	Oversupply
6/25/2023 8:23	6:58	AWE	121.58761	21.00000	Oversupply
6/25/2023 9:23	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 9:23	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:37	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:37	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:39	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:39	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:41	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:41	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:43	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:43	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:46	0:03	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:46	0:03	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:50	0:08	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:50	0:08	MS	Data is not available	Data is not available	Oversupply
6/25/2023 10:59	0:04	5A	Data is not available	Data is not available	Oversupply
6/25/2023 10:59	0:04	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:05	0:02	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:05	0:02	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:08	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:08	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:11	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:11	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:14	0:01	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:14	0:01	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:16	0:09	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:16	0:09	MS	Data is not available	Data is not available	Oversupply
6/25/2023 11:18	0:01	KWP	0.00077	15.92000	Oversupply
6/25/2023 11:25	0:01	KWP	0.00267	14.80000	Oversupply
6/25/2023 11:26	0:03	5A	Data is not available	Data is not available	Oversupply
6/25/2023 11:26	0:03	MS	Data is not available	Data is not available	Oversupply





Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/25/2023 14:03	0:04	MS	Data is not available	Data is not available	Oversupply
6/25/2023 14:12	0:04	5A	Data is not available	Data is not available	Oversupply
6/25/2023 14:12	0:04	MS	Data is not available	Data is not available	Oversupply
6/25/2023 16:10	0:02	SSA3	0.03806	0.37300	Oversupply
6/25/2023 16:12	0:04	BS250	Data is not available	Data is not available	Oversupply
6/25/2023 16:12	0:04	KWP/II	0.07030	21.05187	Oversupply
6/25/2023 16:12	0:04	SSA3	0.07449	0.02500	Oversupply
6/25/2023 16:16	0:02	SSA3	0.02942	0.11400	Oversupply
6/25/2023 16:18	0:02	SSA3	0.02918	0.25300	Oversupply
6/25/2023 16:20	0:02	SSA3	0.02967	0.41800	Oversupply
6/25/2023 16:22	0:02	SSA3	0.02918	0.19100	Oversupply
6/25/2023 16:24	0:02	KWP/II	0.01086	19.54196	Oversupply
6/25/2023 16:24	0:02	SSA3	0.02942	0.01800	Oversupply
6/25/2023 16:26	0:04	BS250	Data is not available	Data is not available	Oversupply
6/25/2023 16:26	0:04	SSA3	0.05369	0.00800	Oversupply
6/25/2023 16:27	0:03	KWP/II	0.04098	19.52699	Oversupply
6/25/2023 16:30	0:04	SSA3	0.02988	0.29000	Oversupply
6/25/2023 16:34	0:02	SSA3	0.01500	0.88300	Oversupply
6/25/2023 16:42	0:02	SSA3	0.01500	0.52000	Oversupply
6/25/2023 16:43	0:16	17-2	0.12662	0.58600	Oversupply
6/25/2023 16:44	0:02	SSA3	0.02550	0.57900	Oversupply
6/25/2023 16:46	0:02	BS250	Data is not available	Data is not available	Oversupply
6/25/2023 16:46	0:06	SSA3	0.08877	0.03300	Oversupply
6/25/2023 16:48	0:01	KWP/II	0.00529	19.50304	Oversupply
6/25/2023 16:50	0:02	BS250	Data is not available	Data is not available	Oversupply
6/25/2023 16:51	0:02	KWP/II	0.00175	19.48408	Oversupply
6/25/2023 16:52	0:02	SSA3	0.02935	0.17000	Oversupply
6/25/2023 16:54	0:02	SSA3	0.02984	0.38000	Oversupply
6/25/2023 16:56	0:02	SSA3	0.02959	0.54200	Oversupply
6/25/2023 23:25	0:08	KWP/II	0.19012	19.59884	Oversupply
6/25/2023 23:50	6:11	KWP/II	85.86727	19.60184	Oversupply
6/26/2023 1:51	0:25	AWE	0.49636	21.00000	Oversupply
6/26/2023 2:41	0:01	AWE	0.00231	17.80000	Oversupply
6/26/2023 2:59	0:01	AWE	0.00082	17.10000	Oversupply
6/26/2023 3:01	0:01	AWE	0.00824	17.50000	Oversupply
6/26/2023 3:05	0:01	AWE	0.00756	17.00000	Oversupply
6/26/2023 3:24	0:03	AWE	0.05174	19.00000	Oversupply
6/26/2023 3:28	0:02	AWE	0.00575	17.10000	Oversupply
6/26/2023 3:31	0:59	AWE	1.92336	21.00000	Oversupply
6/26/2023 5:44	0:15	BS250	Data is not available	Data is not available	Oversupply
6/26/2023 6:44	8:10	BS250	Data is not available	Data is not available	Oversupply
6/26/2023 6:44	8:13	17-2	3.79927	0.75000	Oversupply
6/26/2023 6:44	11:03	KWP/II	151.44320	21.11374	System Constraint
6/26/2023 6:44	8:11	SSA3	15.21574	0.00500	Oversupply
6/26/2023 9:23	4:52	AWE	74.92164	21.00000	Oversupply
6/26/2023 10:12	0:02	KWP	0.00533	22.32000	System Constraint
6/26/2023 10:15	0:01	KWP	0.00267	22.16000	System Constraint
6/26/2023 10:19	0:01	KWP	0.00267	22.16000	System Constraint
6/26/2023 10:21	0:01	KWP	0.00533	22.48000	System Constraint
6/26/2023 10:38	0:01	KWP	0.00267	22.16000	System Constraint
6/26/2023 11:25	0:01	5A	Data is not available	Data is not available	Oversupply
6/26/2023 11:25	0:01	MS	Data is not available	Data is not available	Oversupply
6/26/2023 11:26	0:01	KWP	0.00800	22.48000	System Constraint
6/26/2023 11:32	0:02	5A	Data is not available	Data is not available	Oversupply
6/26/2023 11:32	0:02	MS	Data is not available	Data is not available	Oversupply
6/26/2023 11:32	0:01	KWP	0.01333	22.80000	System Constraint
6/26/2023 11:36	0:02	5A	Data is not available	Data is not available	Oversupply
6/26/2023 11:36	0:02	MS	Data is not available	Data is not available	Oversupply
6/26/2023 11:38	0:01	KWP	0.00800	22.48000	System Constraint
6/26/2023 11:43	0:01	KWP	0.00800	22.48000	System Constraint
6/26/2023 11:46	0:01	KWP	0.00267	22.48000	System Constraint
6/26/2023 11:48	0:01	KWP	0.00267	22.64000	System Constraint
6/26/2023 11:49	0:23	5A	Data is not available	Data is not available	Oversupply
6/26/2023 11:49	0:23	MS	Data is not available	Data is not available	Oversupply
6/26/2023 11:53	0:01	KWP	0.00267	21.04000	System Constraint
6/26/2023 11:55	0:01	KWP	0.00267	20.88000	System Constraint
6/26/2023 12:00	0:01	KWP	0.00267	21.04000	System Constraint
6/26/2023 12:13	0:01	KWP	0.00267	22.16000	System Constraint
6/26/2023 12:15	0:25	5A	Data is not available	Data is not available	Oversupply
6/26/2023 12:15	0:25	MS	Data is not available	Data is not available	Oversupply
6/26/2023 12:18	0:01	KWP	0.00267	21.04000	System Constraint
6/26/2023 12:24	0:01	KWP	0.00031	20.56000	System Constraint
6/26/2023 12:31	0:01	KWP	0.00267	20.40000	System Constraint
6/26/2023 12:36	0:01	KWP	0.00267	21.20000	System Constraint
6/26/2023 12:42	0:06	5A	Data is not available	Data is not available	Oversupply
6/26/2023 12:42	0:06	MS	Data is not available	Data is not available	Oversupply
6/26/2023 12:49	0:09	5A	Data is not available	Data is not available	Oversupply





Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/26/2023 12:49	0:09	MS	Data is not available	Data is not available	Oversupply
6/26/2023 14:56	0:02	SSA3	0.04142	-0.00200	Oversupply
6/26/2023 14:59	0:04	17-2	0.01188	0.20900	Oversupply
6/26/2023 15:00	0:02	SSA3	0.04720	0.68800	Oversupply
6/26/2023 15:02	0:02	SSA3	0.04759	1.43300	Oversupply
6/26/2023 15:05	1:44	17-2	0.33073	0.66100	Oversupply
6/26/2023 15:06	0:02	SSA3	0.04720	0.69300	Oversupply
6/26/2023 15:07	0:14	BS250	Data is not available	Data is not available	Oversupply
6/26/2023 15:08	0:12	SSA3	0.33321	-0.00500	Oversupply
6/26/2023 15:20	0:02	SSA3	0.06701	-0.00300	Oversupply
6/26/2023 15:22	0:02	SSA3	0.06701	-0.00300	Oversupply
6/26/2023 15:24	1:14	BS250	Data is not available	Data is not available	Oversupply
6/26/2023 15:24	0:02	SSA3	0.06756	-0.00200	Oversupply
6/26/2023 15:26	1:10	SSA3	1.63590	0.34100	Oversupply
6/26/2023 15:39	0:01	AWE	0.00091	21.00000	Oversupply
6/26/2023 16:37	0:02	SSA3	0.03159	-0.00400	Oversupply
6/26/2023 16:39	0:02	SSA3	0.03133	-0.00300	Oversupply
6/26/2023 16:41	0:02	SSA3	0.03133	0.11200	Oversupply
6/26/2023 16:43	0:02	SSA3	0.02841	0.57800	Oversupply
6/26/2023 16:45	0:02	SSA3	0.01328	0.78900	Oversupply
6/26/2023 16:47	0:02	SSA3	0.01339	0.77200	Oversupply
6/26/2023 22:02	8:03	KWP	97.32651	21.04189	Oversupply
6/27/2023 2:09	0:02	AWE	0.01321	15.00000	Oversupply
6/27/2023 2:12	0:04	AWE	0.02319	14.40000	Oversupply
6/27/2023 2:17	0:01	AWE	0.00740	14.20000	Oversupply
6/27/2023 2:25	0:02	AWE	0.00509	14.90000	Oversupply
6/27/2023 2:28	0:01	AWE	0.00822	14.50000	Oversupply
6/27/2023 2:30	0:10	AWE	0.32173	17.50000	Oversupply
6/27/2023 2:41	0:23	AWE	1.15978	20.10000	Oversupply
6/27/2023 3:05	0:01	AWE	0.01522	14.90000	Oversupply
6/27/2023 3:07	0:05	AWE	0.02182	15.70000	Oversupply
6/27/2023 3:23	0:02	AWE	0.00868	14.50000	Oversupply
6/27/2023 3:27	0:01	AWE	0.00154	13.00000	Oversupply
6/27/2023 3:30	0:22	AWE	0.44446	16.70000	Oversupply
6/27/2023 3:53	0:01	AWE	0.00753	14.50000	Oversupply
6/27/2023 3:55	0:10	AWE	0.15048	16.90000	Oversupply
6/27/2023 4:06	0:02	AWE	0.00943	16.30000	Oversupply
6/27/2023 4:12	0:01	AWE	0.00634	17.70000	Oversupply
6/27/2023 5:44	0:20	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 6:09	0:14	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 6:09	0:14	SSA3	0.01503	0.02100	Oversupply
6/27/2023 6:10	0:02	KWP	0.00864	19.54895	Oversupply
6/27/2023 6:14	0:09	KWP	0.19791	21.00496	Oversupply
6/27/2023 6:20	0:03	17-2	0.00055	0.02100	Oversupply
6/27/2023 6:52	0:14	17-2	0.01292	0.08700	Oversupply
6/27/2023 6:52	0:02	SSA3	0.00951	0.13200	Oversupply
6/27/2023 6:53	0:12	KWP	0.43052	19.54795	Oversupply
6/27/2023 6:54	0:12	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 6:54	0:12	SSA3	0.06970	0.01200	Oversupply
6/27/2023 7:08	1:32	17-2	0.18338	0.25900	Oversupply
6/27/2023 7:08	0:02	SSA3	0.01369	0.22700	Oversupply
6/27/2023 7:09	0:22	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 7:09	0:12	KWP	0.49638	19.56890	Oversupply
6/27/2023 7:10	1:28	SSA3	1.35644	-0.00100	Oversupply
6/27/2023 7:22	9:45	KWP	141.80522	21.08979	System Constraint
6/27/2023 7:32	0:07	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 7:40	0:59	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 8:41	7:17	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 8:41	7:17	SSA3	14.10019	0.47500	Oversupply
6/27/2023 8:42	8:28	17-2	4.11113	0.75000	Oversupply
6/27/2023 8:52	6:46	AWE	72.39662	21.00000	Oversupply
6/27/2023 8:56	0:01	KWP	0.00533	22.32000	System Constraint
6/27/2023 11:28	0:24	5A	Data is not available	Data is not available	Oversupply
6/27/2023 11:28	0:24	MS	Data is not available	Data is not available	Oversupply
6/27/2023 11:53	0:01	5A	Data is not available	Data is not available	Oversupply
6/27/2023 11:53	0:01	MS	Data is not available	Data is not available	Oversupply
6/27/2023 11:56	0:02	5A	Data is not available	Data is not available	Oversupply
6/27/2023 11:56	0:02	MS	Data is not available	Data is not available	Oversupply
6/27/2023 15:39	0:01	AWE	0.01074	20.60000	Oversupply
6/27/2023 15:41	0:01	AWE	0.00557	21.00000	Oversupply
6/27/2023 15:58	0:02	SSA3	0.05588	-0.00400	Oversupply
6/27/2023 16:00	0:02	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 16:00	0:02	SSA3	0.04663	-0.00300	Oversupply
6/27/2023 16:02	0:02	SSA3	0.04624	0.24800	Oversupply
6/27/2023 16:04	0:06	SSA3	0.13989	0.32900	Oversupply
6/27/2023 16:05	0:04	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 16:10	0:08	BS250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/27/2023 16:10	0:08	SSA3	0.17526	-0.00300	Oversupply
6/27/2023 16:18	0:02	SSA3	0.03846	0.98500	Oversupply
6/27/2023 16:20	0:02	SSA3	0.03846	0.98000	Oversupply
6/27/2023 16:22	0:46	BS250	Data is not available	Data is not available	Oversupply
6/27/2023 16:22	0:44	SSA3	0.71936	0.08500	Oversupply
6/27/2023 17:06	0:02	SSA3	0.03139	-0.00400	Oversupply
6/27/2023 17:08	0:02	SSA3	0.03139	-0.00300	Oversupply
6/27/2023 17:10	0:02	SSA3	0.03113	0.06200	Oversupply
6/27/2023 17:11	0:01	17-2	0.00587	0.43200	Oversupply
6/27/2023 22:26	0:49	KWP2II	4.21292	20.94708	Oversupply
6/28/2023 2:45	0:01	KWP2II	0.00193	20.90118	Oversupply
6/28/2023 2:49	0:01	KWP2II	0.00134	20.89618	Oversupply
6/28/2023 2:53	0:24	KWP2II	0.28511	20.90417	Oversupply
6/28/2023 3:18	0:07	KWP2II	0.08627	20.91116	Oversupply
6/28/2023 3:26	0:02	KWP2II	0.00817	20.87124	Oversupply
6/28/2023 3:29	0:01	KWP2II	0.00306	20.89918	Oversupply
6/28/2023 3:32	0:08	KWP2II	0.06372	20.90916	Oversupply
6/28/2023 3:41	0:15	KWP2II	0.17970	20.90417	Oversupply
6/28/2023 3:57	0:01	KWP2II	0.00332	20.89219	Oversupply
6/28/2023 6:33	0:20	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 6:34	0:20	17-2	0.01026	0.07300	Oversupply
6/28/2023 6:34	0:19	KWP2II	1.37286	20.81236	Oversupply
6/28/2023 6:36	0:16	SSA3	0.06330	-0.00200	Oversupply
6/28/2023 6:54	0:44	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 6:55	0:42	KWP2II	2.19960	19.26852	Oversupply
6/28/2023 6:55	0:44	17-2	0.04628	0.15300	Oversupply
6/28/2023 6:56	0:42	SSA3	0.40315	-0.00200	Oversupply
6/28/2023 7:44	0:04	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 7:45	0:04	17-2	0.01038	0.23900	Oversupply
6/28/2023 7:45	0:04	SSA3	0.04822	0.12000	Oversupply
6/28/2023 7:47	10:03	KWP2II	111.60851	20.51497	System Constraint
6/28/2023 7:50	0:01	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 7:50	0:05	17-2	0.01120	0.18000	Oversupply
6/28/2023 7:51	0:02	SSA3	0.02391	-0.00100	Oversupply
6/28/2023 7:53	0:02	SSA3	0.02431	0.18300	Oversupply
6/28/2023 7:55	0:02	SSA3	0.02391	0.53700	Oversupply
6/28/2023 7:56	7:04	17-2	2.44975	0.75000	Oversupply
6/28/2023 7:57	0:02	SSA3	0.02431	0.56600	Oversupply
6/28/2023 7:59	0:04	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 7:59	0:04	SSA3	0.06383	0.00700	Oversupply
6/28/2023 8:03	0:02	SSA3	0.03491	-0.00200	Oversupply
6/28/2023 8:05	6:51	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 8:05	6:49	SSA3	11.79213	0.04700	Oversupply
6/28/2023 8:18	0:32	AWE	3.02094	21.00000	Oversupply
6/28/2023 8:52	5:52	AWE	67.88680	21.00000	Oversupply
6/28/2023 9:04	0:15	5A	Data is not available	Data is not available	Oversupply
6/28/2023 9:04	0:15	MS	Data is not available	Data is not available	Oversupply
6/28/2023 9:04	0:01	KWP	0.00267	21.68000	System Constraint
6/28/2023 9:52	0:14	5A	Data is not available	Data is not available	Oversupply
6/28/2023 9:52	0:14	MS	Data is not available	Data is not available	Oversupply
6/28/2023 10:09	0:15	5A	Data is not available	Data is not available	Oversupply
6/28/2023 10:09	0:15	MS	Data is not available	Data is not available	Oversupply
6/28/2023 10:33	1:14	5A	Data is not available	Data is not available	Oversupply
6/28/2023 10:33	1:14	MS	Data is not available	Data is not available	Oversupply
6/28/2023 11:48	0:01	5A	Data is not available	Data is not available	Oversupply
6/28/2023 11:48	0:01	MS	Data is not available	Data is not available	Oversupply
6/28/2023 14:54	0:02	SSA3	0.02128	-0.00300	Oversupply
6/28/2023 14:56	0:02	SSA3	0.02128	0.06500	Oversupply
6/28/2023 14:57	0:01	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 14:58	0:02	SSA3	0.01748	0.36300	Oversupply
6/28/2023 15:10	0:01	17-2	0.00288	0.17300	Oversupply
6/28/2023 15:15	1:12	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 15:15	1:13	17-2	0.25377	0.31200	Oversupply
6/28/2023 15:15	1:12	SSA3	0.75427	0.00100	Oversupply
6/28/2023 16:08	0:07	AWE	0.11543	21.00000	Oversupply
6/28/2023 18:29	0:02	SSA3	0.00172	0.05400	Oversupply
6/28/2023 18:33	0:01	17-2	0.00108	0.06500	Oversupply
6/28/2023 18:49	0:01	17-2	0.00062	0.04300	Oversupply
6/28/2023 19:10	0:01	BS250	Data is not available	Data is not available	Oversupply
6/28/2023 21:39	0:17	KWP2II	0.78958	20.98400	Oversupply
6/28/2023 22:13	0:06	KWP2II	0.12730	20.93311	Oversupply
6/28/2023 22:43	0:07	KWP2II	0.05758	20.87623	Oversupply
6/29/2023 0:26	1:02	KWP2II	4.59054	20.78242	Oversupply
6/29/2023 1:29	1:26	KWP2II	12.46216	19.47610	Oversupply
6/29/2023 2:58	0:01	KWP2II	0.00724	19.48009	Oversupply
6/29/2023 3:00	0:10	KWP2II	0.35002	19.46911	Oversupply
6/29/2023 3:25	0:08	KWP2II	0.12109	19.05596	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/29/2023 7:32	8:57	KWP	113.74690	20.54590	System Constraint
6/29/2023 7:36	0:02	SSA3	0.01958	0.41400	Oversupply
6/29/2023 7:37	9:03	17-2	4.44099	0.75000	Oversupply
6/29/2023 7:38	8:50	BS250	Data is not available	Data is not available	Oversupply
6/29/2023 7:38	9:01	SSA3	16.38592	0.00300	Oversupply
6/29/2023 8:00	5:36	AWE	42.35758	20.50000	Oversupply
6/29/2023 8:36	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 8:36	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 8:39	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 8:39	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 8:42	0:19	5A	Data is not available	Data is not available	Oversupply
6/29/2023 8:42	0:19	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:02	0:02	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:02	0:02	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:04	0:01	KWP	0.00267	17.84000	System Constraint
6/29/2023 9:05	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:05	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:08	0:07	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:08	0:07	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:11	0:02	KWP	0.00533	15.60000	System Constraint
6/29/2023 9:14	0:01	KWP	0.00267	14.48000	System Constraint
6/29/2023 9:16	0:05	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:16	0:05	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:22	0:03	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:22	0:03	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:26	0:04	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:26	0:04	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:31	0:09	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:31	0:09	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:42	0:08	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:42	0:08	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:53	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:53	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:55	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:55	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:58	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 9:58	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 9:58	0:01	KWP	0.00267	8.24000	System Constraint
6/29/2023 10:01	0:04	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:01	0:04	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:04	0:01	KWP	0.00267	9.84000	System Constraint
6/29/2023 10:06	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:06	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:09	0:05	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:09	0:05	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:10	0:01	KWP	0.00207	10.96000	System Constraint
6/29/2023 10:31	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:31	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:37	0:02	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:37	0:02	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:44	0:01	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:44	0:01	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:49	0:02	5A	Data is not available	Data is not available	Oversupply
6/29/2023 10:49	0:02	MS	Data is not available	Data is not available	Oversupply
6/29/2023 10:51	0:01	KWP	0.00118	6.00000	System Constraint
6/29/2023 13:39	0:07	AWE	0.24950	16.70000	Oversupply
6/29/2023 13:50	0:05	AWE	0.09613	15.50000	Oversupply
6/29/2023 13:56	0:53	AWE	5.48342	21.00000	Oversupply
6/29/2023 14:50	0:03	AWE	0.01426	20.20000	Oversupply
6/29/2023 14:58	0:01	AWE	0.00340	17.60000	Oversupply
6/29/2023 15:00	0:02	AWE	0.00595	19.40000	Oversupply
6/29/2023 15:09	0:02	AWE	0.01378	21.00000	Oversupply
6/29/2023 15:24	0:03	AWE	0.03222	21.00000	Oversupply
6/29/2023 16:29	0:11	BS250	Data is not available	Data is not available	Oversupply
6/29/2023 16:30	0:10	KWP	0.51635	20.75048	Oversupply
6/29/2023 16:51	0:01	17-2	0.00805	0.48300	Oversupply
6/29/2023 16:53	0:07	17-2	0.05009	0.50300	Oversupply
6/29/2023 17:59	0:02	17-2	0.00209	0.16800	Oversupply
6/29/2023 18:05	0:07	17-2	0.01417	0.14500	Oversupply
6/29/2023 18:14	0:01	17-2	0.00046	0.08300	Oversupply
6/29/2023 18:16	0:01	17-2	0.00095	0.05700	Oversupply
6/29/2023 19:03	0:01	17-2	0.00040	0.02400	Oversupply
6/29/2023 19:05	0:06	BS250	Data is not available	Data is not available	Oversupply
6/29/2023 19:05	0:07	KWP	0.08096	19.42919	Oversupply
6/29/2023 22:13	0:18	KWP	0.71119	20.86226	Oversupply
6/29/2023 22:45	0:02	KWP	0.03625	21.02592	Oversupply
6/30/2023 0:02	0:13	KWP	0.51933	12.79079	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/30/2023 2:25	0:18	KWP2	1.77540	15.45434	Oversupply
6/30/2023 2:46	0:06	KWP2	0.10758	14.07317	Oversupply
6/30/2023 3:03	0:01	KWP2	0.00163	13.75482	Oversupply
6/30/2023 4:19	0:02	KWP2	0.00655	15.84254	Oversupply
6/30/2023 4:57	0:02	KWP2	0.01824	15.27570	Oversupply
6/30/2023 6:18	0:01	AWE	0.00167	0.10000	Oversupply
6/30/2023 8:12	4:09	17-2	1.22860	0.75000	Oversupply
6/30/2023 8:13	0:02	SSA3	0.02188	0.21800	Oversupply
6/30/2023 8:15	0:02	SSA3	0.04134	0.00500	Oversupply
6/30/2023 8:16	3:11	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 8:17	3:13	KWP2	28.27354	16.63192	Oversupply
6/30/2023 8:17	3:12	SSA3	6.50542	-0.00300	Oversupply
6/30/2023 8:37	1:25	AWE	6.16772	17.80000	Oversupply
6/30/2023 9:05	0:05	5A	Data is not available	Data is not available	Oversupply
6/30/2023 9:05	0:05	MS	Data is not available	Data is not available	Oversupply
6/30/2023 9:12	0:02	5A	Data is not available	Data is not available	Oversupply
6/30/2023 9:12	0:02	MS	Data is not available	Data is not available	Oversupply
6/30/2023 9:15	0:03	5A	Data is not available	Data is not available	Oversupply
6/30/2023 9:15	0:03	MS	Data is not available	Data is not available	Oversupply
6/30/2023 9:19	0:01	5A	Data is not available	Data is not available	Oversupply
6/30/2023 9:19	0:01	MS	Data is not available	Data is not available	Oversupply
6/30/2023 10:03	0:06	AWE	0.10424	18.40000	Oversupply
6/30/2023 10:13	0:02	AWE	0.01122	20.10000	Oversupply
6/30/2023 10:37	0:01	AWE	0.00789	16.50000	Oversupply
6/30/2023 10:39	0:01	AWE	0.00789	15.70000	Oversupply
6/30/2023 10:41	0:01	AWE	0.02138	15.10000	Oversupply
6/30/2023 10:59	0:01	AWE	0.00291	16.00000	Oversupply
6/30/2023 11:01	0:01	AWE	0.01193	16.70000	Oversupply
6/30/2023 11:04	0:03	AWE	0.00836	18.30000	Oversupply
6/30/2023 11:08	0:03	AWE	0.04760	18.80000	Oversupply
6/30/2023 11:28	0:04	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 11:29	0:02	SSA3	0.07585	0.05000	Oversupply
6/30/2023 11:31	0:07	KWP2	0.07849	7.22919	Oversupply
6/30/2023 11:31	0:06	SSA3	0.22234	-0.00400	Oversupply
6/30/2023 11:34	0:03	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 11:37	0:02	SSA3	0.07391	0.48400	Oversupply
6/30/2023 11:39	0:02	SSA3	0.07391	1.64600	Oversupply
6/30/2023 11:41	0:02	SSA3	0.07452	0.91600	Oversupply
6/30/2023 11:43	0:33	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 11:43	0:32	SSA3	1.42244	-0.00600	Oversupply
6/30/2023 11:44	0:34	KWP2	1.25696	9.17919	Oversupply
6/30/2023 12:15	0:02	SSA3	0.04780	-0.00300	Oversupply
6/30/2023 12:17	0:01	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 12:17	0:02	SSA3	0.04780	-0.00400	Oversupply
6/30/2023 12:19	0:01	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 12:19	0:01	KWP2	0.00722	7.55153	Oversupply
6/30/2023 12:22	2:05	17-2	1.41353	0.75000	Oversupply
6/30/2023 12:24	0:02	SSA3	0.04780	0.91800	Oversupply
6/30/2023 12:26	0:02	SSA3	0.04780	0.63400	Oversupply
6/30/2023 12:28	0:02	SSA3	0.04847	0.21700	Oversupply
6/30/2023 12:29	1:50	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 12:29	1:50	KWP2	13.86124	14.79968	Oversupply
6/30/2023 12:30	1:49	SSA3	4.03801	-0.00300	Oversupply
6/30/2023 12:42	0:03	AWE	0.02526	19.70000	Oversupply
6/30/2023 12:46	0:06	AWE	0.09235	19.20000	Oversupply
6/30/2023 12:55	0:50	AWE	3.62592	19.10000	Oversupply
6/30/2023 13:46	0:01	AWE	0.00906	17.50000	Oversupply
6/30/2023 13:48	0:07	AWE	0.07253	19.10000	Oversupply
6/30/2023 13:59	0:03	AWE	0.03432	18.80000	Oversupply
6/30/2023 14:08	0:03	AWE	0.02415	19.70000	Oversupply
6/30/2023 14:12	0:01	AWE	0.01273	17.30000	Oversupply
6/30/2023 14:19	0:02	SSA3	0.06464	-0.00300	Oversupply
6/30/2023 14:21	0:02	SSA3	0.06464	-0.00400	Oversupply
6/30/2023 14:23	0:02	SSA3	0.06517	0.17300	Oversupply
6/30/2023 14:25	0:02	SSA3	0.06464	0.93200	Oversupply
6/30/2023 14:29	0:02	17-2	0.01558	0.75000	Oversupply
6/30/2023 14:32	0:40	17-2	0.39926	0.75000	Oversupply
6/30/2023 14:33	0:02	SSA3	0.03405	1.00800	Oversupply
6/30/2023 14:35	0:02	SSA3	0.03405	0.87600	Oversupply
6/30/2023 14:37	0:02	SSA3	0.03405	0.16800	Oversupply
6/30/2023 14:39	0:02	SSA3	0.03377	0.87700	Oversupply
6/30/2023 14:41	0:02	SSA3	0.03405	0.84300	Oversupply
6/30/2023 14:43	0:02	SSA3	0.03592	1.03400	Oversupply
6/30/2023 14:45	0:02	SSA3	0.02832	1.04400	Oversupply
6/30/2023 14:51	0:02	SSA3	0.02832	0.82900	Oversupply
6/30/2023 14:53	0:02	SSA3	0.02832	0.66200	Oversupply
6/30/2023 14:55	0:02	SSA3	0.02832	0.14600	Oversupply



Maui Curtailment Report

June 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/30/2023 14:56	0:10	BS250	Data is not available	Data is not available	Oversupply
6/30/2023 14:57	0:01	KWP11	0.00837	8.57842	Oversupply
6/30/2023 14:57	0:02	SSA3	0.02832	-0.00400	Oversupply
6/30/2023 14:59	0:02	KWP11	0.03442	9.97656	Oversupply
6/30/2023 14:59	0:06	SSA3	0.09540	-0.00300	Oversupply
6/30/2023 15:02	0:04	KWP11	0.09088	8.96563	Oversupply
6/30/2023 15:05	0:02	SSA3	0.03376	0.05800	Oversupply
6/30/2023 15:07	0:02	SSA3	0.03376	0.41700	Oversupply
6/30/2023 15:09	0:02	SSA3	0.03431	0.46700	Oversupply
6/30/2023 15:15	0:06	17-2	0.04384	0.75000	Oversupply
6/30/2023 15:15	0:02	SSA3	0.01228	1.00100	Oversupply
6/30/2023 15:19	0:02	SSA3	0.01218	0.67600	Oversupply
6/30/2023 15:30	0:01	17-2	0.00084	0.75000	Oversupply
6/30/2023 20:49	0:11	KWP11	0.56927	20.73751	Oversupply
6/30/2023 21:13	0:14	KWP11	0.52620	20.45210	Oversupply
6/30/2023 21:28	1:02	KWP11	3.86463	20.90317	Oversupply
6/30/2023 23:45	0:01	KWP11	0.00450	14.11708	Oversupply
6/30/2023 23:58	0:02	KWP11	0.01053	11.75492	Oversupply

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**Sent:** Friday, July 21, 2023 9:49 AM  
**To:** Chu, Michael  
**Subject:** Hawaii PUC CDMS eSERVICES - E-Filing F-291841 FILED Confirmation

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**E-Filing Confirmation Number:** F-291841  
**Account:** Hawaiian Electric Company, Inc.  
**Date and Time Submitted:** 7/21/2023, 9:48 AM  
**Case or Docket Reference Number:** PC-24334  
**Case or Docket Number (if applicable):** 2011-0206  
**Filing Category/Type:** Miscellaneous Filings / Reports

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