



March 24, 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's¹ monthly report for February 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.

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura
Director, Regulatory Non-Rate Proceedings

Enclosures

c: Service List

¹ 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):

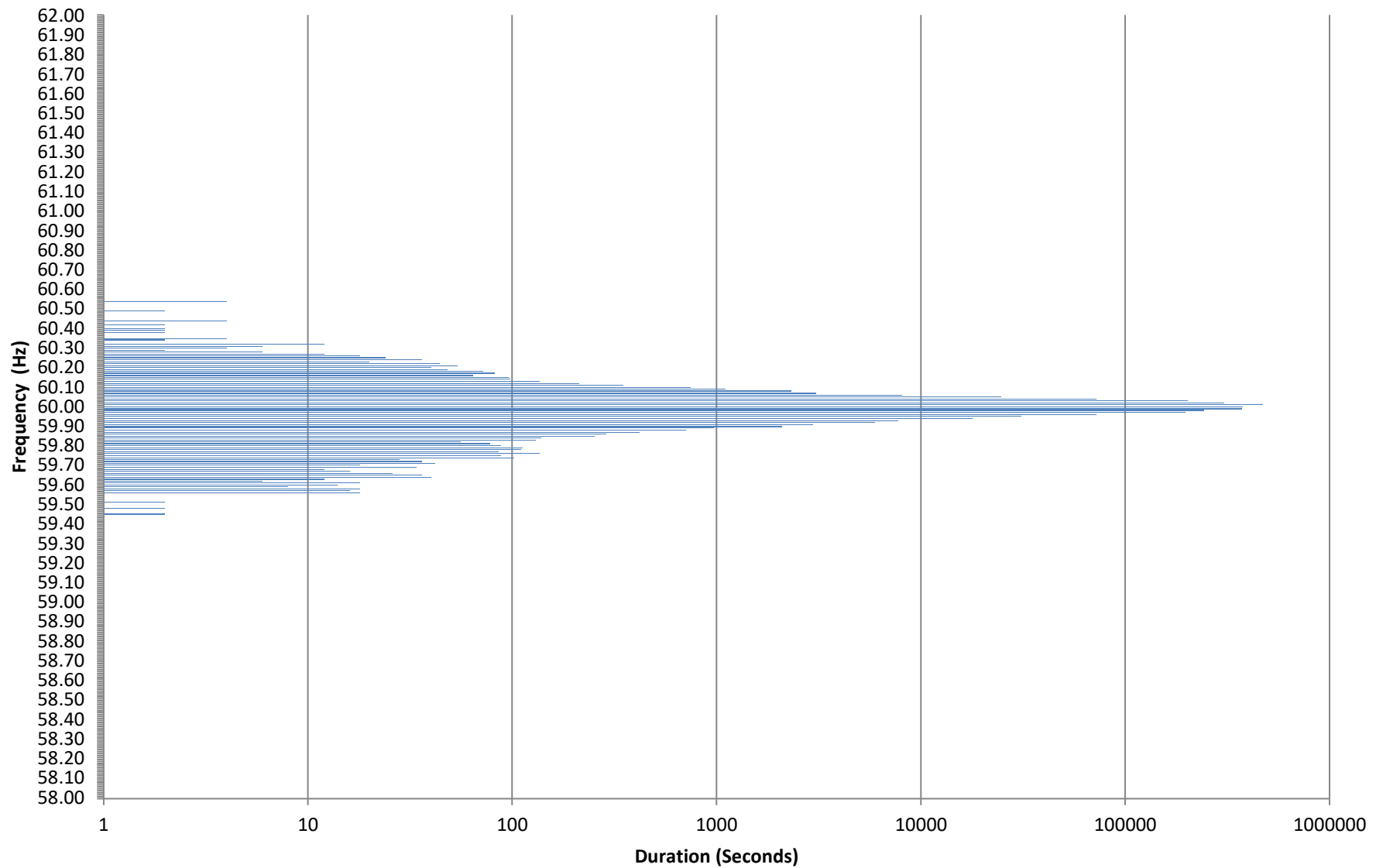
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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

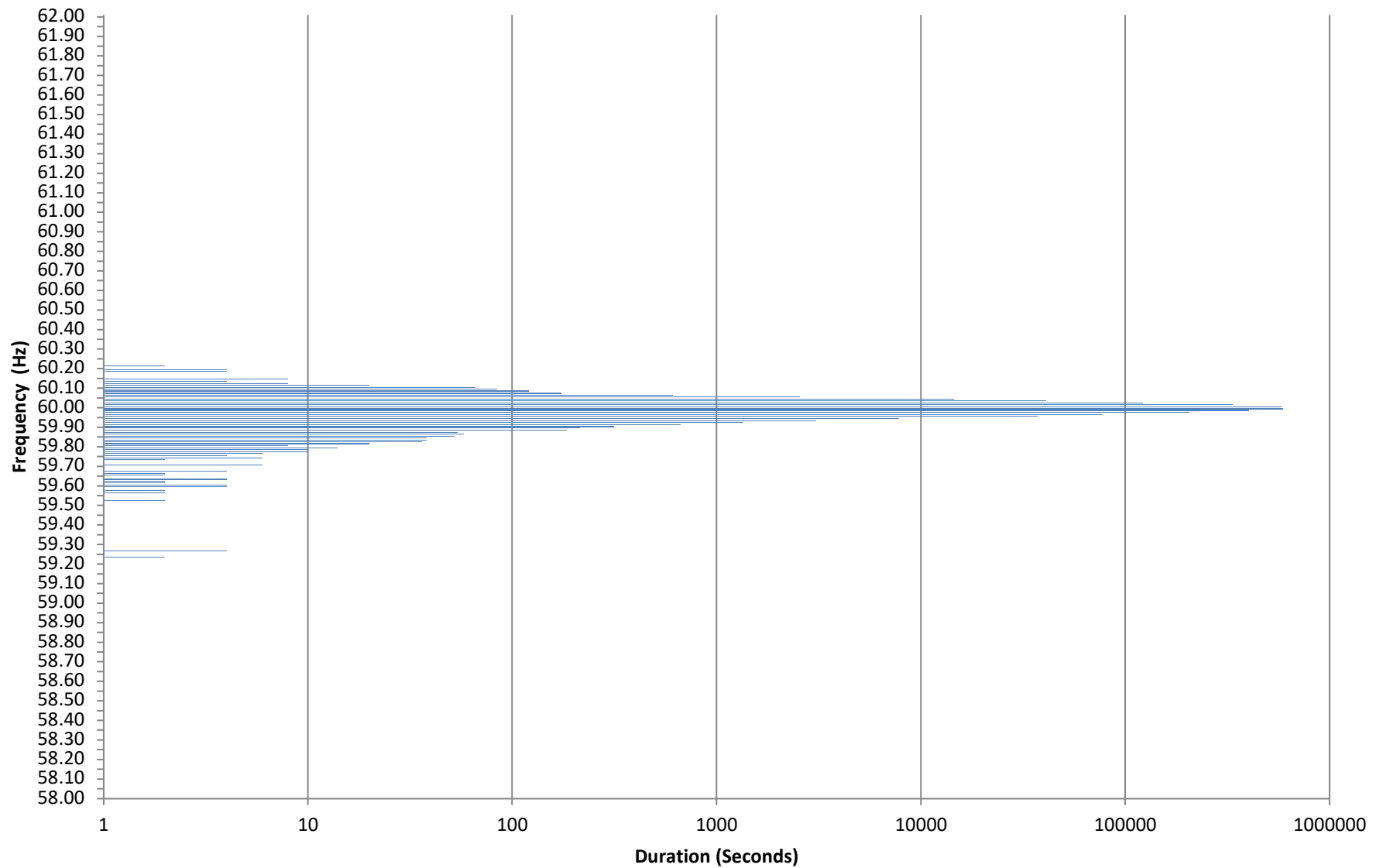
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

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.

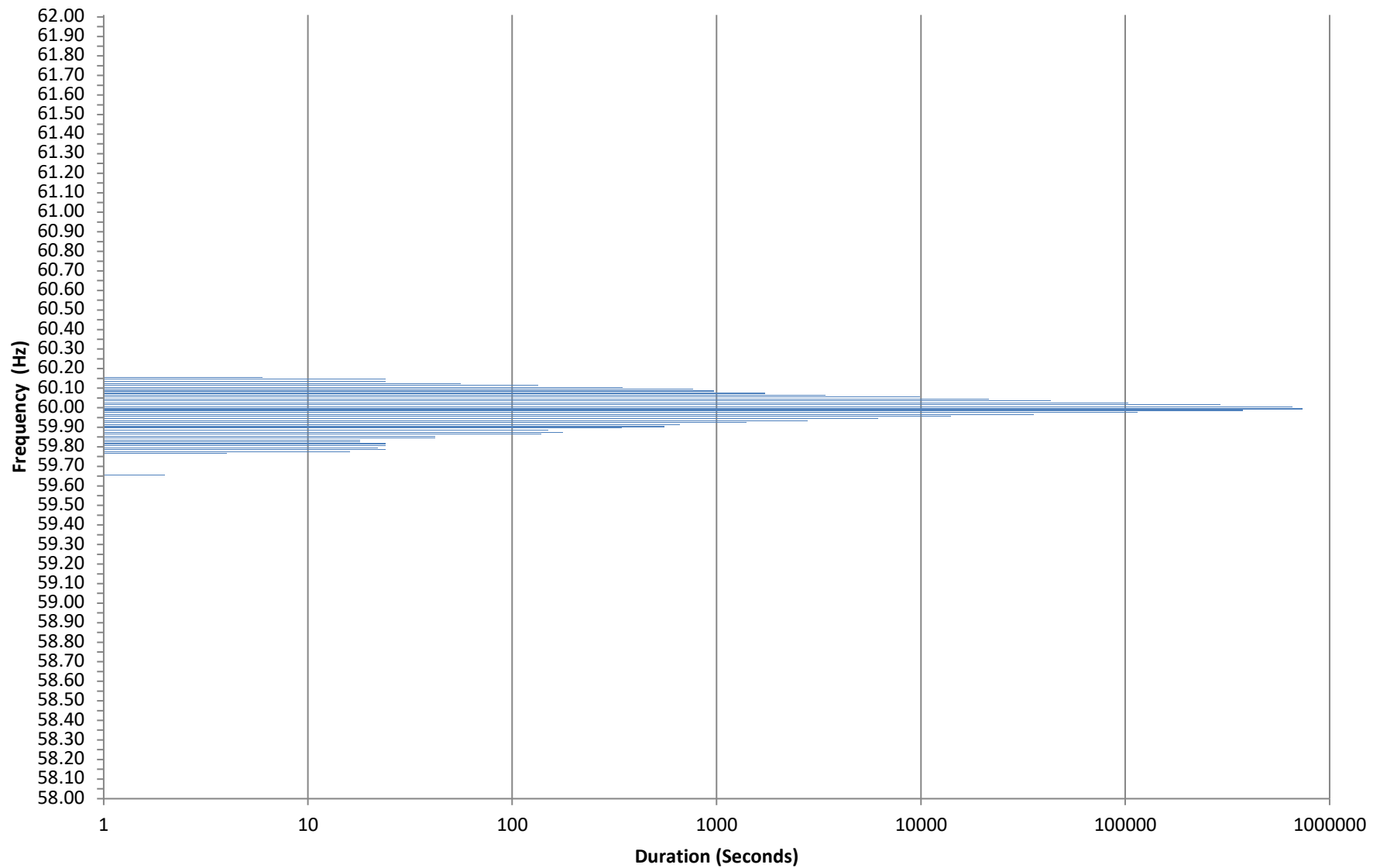
Frequency Distribution Plot - Hawaiian Electric February 2023



Frequency Distribution Plot - Hawai'i Island February 2023



Frequency Distribution Plot - Maui Electric February 2023



Hawaiian Electric Frequency Excursion Statistics February 2023		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	4609	2495
Maximum Duration (sec)	706	596
Maximum Deviation (Hz)	59.451	60.542
Total Duration of Excursions (sec)	51852	23468

Hawai'i Island Frequency Excursion Statistics February 2023		
	<59.95 Hz	>60.05 Hz
Number of Excursions	5006	337
Maximum Duration (sec)	180	120
Maximum Deviation (Hz)	59.232	60.209
Total Duration of Excursions (sec)	32696	1848

Maui Electric Frequency Excursion Statistics February 2023		
	<59.95 Hz	>60.05 Hz
Number of Excursions	3053	1279
Maximum Duration (sec)	468	550
Maximum Deviation (Hz)	59.654	60.149
Total Duration of Excursions (sec)	18152	10764

HAWAIIAN ELECTRIC COMPANY, INC.
CONTINGENCY RESERVE ACTIVATION EVENTS
February 2023

Event #	Date & Time	Frequency (Hz)			Spinning Reserve Shortfall (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	2/4/2023 1:32	60.03	59.45	NA	0.00	0:00	Waiau 7 tripped offline while generating ~32 MW.
2	2/28/2023 14:58	59.92	59.56	NA	-28.60	0:17	Kahe 3 tripped offline while generating ~45 MW. W9 and W10 called on for spinning reserves.

HAWAII ELECTRIC LIGHT COMPANY, INC.
UNDERFREQUENCY LOAD SHEDDING EVENTS
February 2023

Event #	Date	Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
			Prior to Event	Nadir	Level UFLS Occurred			
1	2/2/2023	11:25 PM	60.03	59.20	59.20	10.39	0:13	UFLS occurred when HEP CT1 tripped offline while producing 10.5 MW, followed by HEP CT2 tripping offline 1 minute 20 seconds later while producing 21.2 MW
2	2/3/2023	8:21 AM	60.00	59.19	59.20	12.63	0:02	HEP CT2 tripped offline shortly after synchronizing and ramping from 0 to 20 MW.

MAUI ELECTRIC COMPANY, LTD.
 UNDERFREQUENCY LOADSHEDDING EVENTS
 February 2023

Event #	IR #	Island	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
				Prior to Event	Nadir	Levels UFLS Occurred			
1	80	LANAI	2/3/23 2:15 AM	60.00	55.13	58.5,58,57	2.09	00:43 to 4:40	Lanai unit #8 tripped offline causing the system frequency to drop to 55.13Hz and triggered the UFLS scheme to operate.

HAWAIIAN ELECTRIC COMPANY, INC.
DEMAND RESPONSE EVENTS
February 2023

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	2/4/2023 1:32	60.03	59.45	59.70	NA	0:04	Waiiau 7 tripped offline while generating ~32 MW. RDLC activated.
2	2/28/2023 14:58	59.92	59.56	59.70	NA	0:08	Kahe 3 tripped offline while generating ~45 MW. RDLC activated.

Hawaiian Electric Company, Inc. Curtailment Report February 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
02/05/23 10:58	0.0	8.50	02/05/23 15:12	0	*	KSMakai	Oversupply
02/05/23 10:58	0.0	11.00	02/05/23 15:12	0	*	KSMauka	Oversupply
02/05/23 11:00	0.0	0.00	02/05/23 15:09	0	*	Aloha2	Oversupply
02/05/23 11:01	0.0	1.20	02/05/23 15:08	0	*	MFO	Oversupply
02/05/23 11:01	0.0	23.70	02/05/23 15:05	0	*	NPM	Oversupply
02/06/23 11:34	0.0	10.70	02/06/23 15:22	0	*	KSMakai	Oversupply
02/06/23 11:34	0.0	15.20	02/06/23 15:22	0	*	KSMauka	Oversupply
02/06/23 11:37	0.0	0.00	02/06/23 15:16	0	*	Aloha2	Oversupply
02/06/23 11:38	0.0	2.60	02/06/23 15:13	0	*	MFO	Oversupply
02/06/23 11:38	0.0	22.80	02/06/23 15:10	0	*	NPM	Oversupply
02/06/23 13:11	8.9	11.00	02/06/23 14:11	8.8	*	Lani	Oversupply
02/06/23 13:11	21.0	25.20	02/06/23 14:11	8.6	*	Waipio PV	Oversupply
02/06/23 14:11	14.5	8.60	02/06/23 15:07	4.1	*	Waipio PV	Oversupply
02/07/23 05:56	0.0	0.00	02/07/23 07:34	0	*	Aloha2	System Constraints
02/07/23 15:13	0.0	0.50	02/07/23 16:49	0	*	Aloha2	System Constraints
02/08/23 07:22	0.0	0.00	02/08/23 08:05	0	*	KLS2	System Constraints
02/08/23 11:00	0.0	10.50	02/08/23 14:38	0	*	KSMakai	Oversupply
02/08/23 11:00	0.0	9.10	02/08/23 14:38	0	*	KSMauka	Oversupply
02/08/23 11:04	0.0	1.10	02/08/23 12:58	0	*	Aloha2	Oversupply
02/08/23 11:05	0.0	1.90	02/08/23 12:56	0	*	MFO	Oversupply
02/08/23 11:05	0.0	24.10	02/08/23 12:55	0	*	NPM	Oversupply
02/08/23 17:51	0.0	0.00	02/08/23 18:43	0	*	KLS2	System Constraints
02/09/23 23:47	0.0	0.00	02/10/23 01:39	0	*	MFO	System Constraints
02/09/23 23:51	0.0	21.20	02/10/23 01:24	0	*	KWF	System Constraints
02/10/23 00:07	0.0	0.10	02/10/23 01:37	0	*	KSMakai	System Constraints
02/10/23 11:08	0.0	0.70	02/10/23 17:28	0	*	KREP	Facility Requested
02/10/23 12:31	0.0	6.00	02/10/23 14:41	0	*	KSMakai	Oversupply
02/10/23 12:32	0.0	14.60	02/10/23 14:41	0	*	KSMauka	Oversupply
02/10/23 12:32	0.0	1.10	02/10/23 14:41	0	*	Aloha2	Oversupply
02/10/23 12:33	0.0	2.70	02/10/23 14:13	0	*	MFO	Oversupply
02/10/23 12:34	0.0	20.10	02/10/23 14:12	0	*	NPM	Oversupply
02/11/23 06:37	0.0	0.10	02/11/23 07:00	0	*	Waianae	System Constraints
02/11/23 10:55	0.0	3.00	02/11/23 15:02	0	*	KSMauka	Oversupply
02/11/23 10:56	0.0	15.90	02/11/23 15:01	0	*	KSMakai	Oversupply
02/11/23 10:58	0.0	1.20	02/11/23 15:01	0	*	Aloha2	Oversupply
02/11/23 10:59	0.0	0.90	02/11/23 15:01	0	*	MFO	Oversupply
02/11/23 11:06	0.0	23.70	02/11/23 15:01	0	*	NPM	Oversupply
02/11/23 12:27	7.2	11.30	02/11/23 13:02	6	*	Lani	Oversupply
02/11/23 12:27	22.7	35.30	02/11/23 13:02	22.9	*	Waipio PV	Oversupply
02/11/23 13:02	0.0	6.00	02/11/23 14:43	0	*	Lani	Oversupply
02/11/23 13:02	0.0	22.90	02/11/23 14:43	0	*	Waipio PV	Oversupply
02/12/23 07:22	0.0	23.20	02/12/23 08:01	0	*	NPM	System Constraints
02/12/23 10:50	0.0	8.60	02/12/23 14:47	0	*	KSMauka	Oversupply
02/12/23 10:51	0.0	5.10	02/12/23 14:47	0	*	KSMakai	Oversupply
02/12/23 10:51	0.0	1.00	02/12/23 14:47	0	*	Aloha2	Oversupply
02/12/23 10:51	0.0	2.20	02/12/23 14:47	0	*	MFO	Oversupply
02/12/23 10:58	0.0	23.20	02/12/23 14:47	0	*	NPM	Oversupply
02/12/23 12:09	0.0	10.60	02/12/23 14:11	0	*	Lani	Oversupply
02/12/23 12:09	0.0	39.00	02/12/23 14:11	0	*	Waipio PV	Oversupply
02/13/23 12:25	0.0	9.40	02/13/23 15:49	0	*	KSMauka	Oversupply
02/13/23 12:26	0.0	14.30	02/13/23 15:49	0	*	KSMakai	Oversupply
02/13/23 12:26	0.0	0.80	02/13/23 15:49	0	*	Aloha2	Oversupply
02/13/23 12:26	0.0	2.70	02/13/23 15:48	0	*	MFO	Oversupply
02/13/23 13:01	0.0	20.80	02/13/23 15:48	0	*	NPM	Oversupply
02/13/23 13:23	0.0	1.60	02/13/23 15:17	0	*	KREP	Facility Requested
02/13/23 13:25	0.0	14.20	02/13/23 14:23	0	*	Lani	Oversupply
02/13/23 13:25	0.0	25.40	02/13/23 14:23	0	*	Waipio PV	Oversupply
02/14/23 13:01	0.0	11.70	02/14/23 14:24	0	*	KSMakai	Oversupply
02/14/23 13:01	0.0	20.00	02/14/23 14:24	0	*	KSMauka	Oversupply
02/15/23 05:11	0.0	0.00	02/15/23 06:07	0	*	KREP	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report February 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
02/15/23 05:12	0.0	0.00	02/15/23 06:06	0	0.00	WestL	System Constraints
02/15/23 05:42	0.0	0.50	02/15/23 15:42	0	*	NPM	System Constraints
02/15/23 05:48	0.0	0.00	02/15/23 07:14	0	*	MFO	System Constraints
02/15/23 05:57	0.0	5.20	02/15/23 07:07	0	*	KWF	System Constraints
02/15/23 05:57	0.0	0.00	02/15/23 07:12	0	*	KLS2	System Constraints
02/15/23 06:02	0.0	1.10	02/15/23 06:59	0	*	KWMakai	System Constraints
02/15/23 06:08	0.0	0.00	02/15/23 07:02	0	*	KSMakai	System Constraints
02/15/23 12:47	0.0	3.90	02/15/23 16:34	0	*	KLS2	System Constraints
02/15/23 15:25	0.0	2.10	02/15/23 15:42	0	*	MFO	System Constraints
02/15/23 15:28	0.0	0.40	02/15/23 15:43	0	*	KWF	System Constraints
02/15/23 15:29	0.0	11.80	02/15/23 15:41	0	*	KSMakai	System Constraints
02/15/23 15:32	0.0	0.10	02/15/23 15:41	0	*	KWMakai	System Constraints
02/15/23 16:59	0.0	1.20	02/15/23 17:29	0	*	KREP	System Constraints
02/15/23 17:00	0.0	1.80	02/15/23 17:30	0	1.31	WestL	System Constraints
02/16/23 05:44	0.0	0.00	02/16/23 07:24	0	*	KREP	System Constraints
02/16/23 05:53	0.0	0.00	02/16/23 16:39	0	*	Aloha2	System Constraints
02/16/23 05:57	0.0	0.00	02/16/23 07:22	0	0.02	WestL	System Constraints
02/16/23 16:35	0.0	0.10	02/16/23 16:38	0	*	KREP	System Constraints
02/16/23 16:35	0.0	1.00	02/16/23 16:39	0	0.03	WestL	System Constraints
02/18/23 13:51	0.0	11.10	02/18/23 15:13	0	*	KSMakai	Oversupply
02/18/23 13:51	0.0	11.50	02/18/23 15:13	0	*	KSMauka	Oversupply
02/18/23 13:52	0.0	1.00	02/18/23 14:55	0	*	Aloha2	Oversupply
02/19/23 12:47	0.0	13.60	02/19/23 14:54	0	*	KSMakai	Oversupply
02/19/23 12:47	0.0	18.20	02/19/23 14:54	0	*	KSMauka	Oversupply
02/21/23 13:06	0.0	10.60	02/21/23 15:15	0	*	KSMakai	Oversupply
02/21/23 13:06	0.0	14.90	02/21/23 15:15	0	*	KSMauka	Oversupply
02/21/23 13:13	0.0	0.50	02/21/23 15:03	0	*	Aloha2	Oversupply
02/21/23 13:14	0.0	2.50	02/21/23 15:02	0	*	MFO	Oversupply
02/21/23 13:14	0.0	23.90	02/21/23 14:04	0	*	NPM	Oversupply
02/22/23 05:44	0.0	0.10	02/22/23 16:15	0	*	Waianae	System Constraints
02/22/23 06:03	0.0	0.10	02/22/23 06:07	0	*	Aloha1	System Constraints
02/22/23 15:22	0.0	0.70	02/22/23 16:15	0	*	Aloha1	System Constraints
02/23/23 05:49	0.0	0.00	02/23/23 08:34	0	*	WAIH N	System Constraints
02/23/23 05:49	0.0	0.00	02/23/23 08:35	0	*	WAIH S	System Constraints
02/23/23 16:18	0.0	25.10	02/23/23 17:54	0	*	KWMauka	System Constraints
02/23/23 16:20	0.0	15.60	02/23/23 17:54	0	*	KSMauka	System Constraints
02/23/23 16:35	0.0	0.10	02/23/23 17:55	0	*	WAIH N	System Constraints
02/23/23 16:35	0.0	0.10	02/23/23 17:56	0	*	WAIH S	System Constraints
02/24/23 14:17	0.0	6.10	02/24/23 15:35	0	*	KSMakai	Oversupply
02/24/23 14:17	0.0	16.50	02/24/23 15:35	0	*	KSMauka	Oversupply
02/25/23 12:49	0.0	9.50	02/25/23 13:41	0	*	KSMauka	Oversupply
02/25/23 12:50	0.0	3.70	02/25/23 13:41	0	*	KSMakai	Oversupply
02/26/23 11:27	0.0	6.20	02/26/23 14:58	0	*	KSMakai	Oversupply
02/26/23 11:27	0.0	8.80	02/26/23 14:58	0	*	KSMauka	Oversupply
02/26/23 11:30	0.0	1.00	02/26/23 14:57	0	*	Aloha2	Oversupply
02/26/23 11:30	0.0	1.50	02/26/23 14:55	0	*	MFO	Oversupply
02/26/23 11:30	0.0	23.60	02/26/23 14:53	0	*	NPM	Oversupply
02/26/23 12:15	0.0	24.70	02/26/23 14:49	0	*	Waipio PV	Oversupply
02/26/23 12:15	0.0	8.00	02/26/23 14:49	0	*	Lani	Oversupply
02/26/23 12:51	0.0	24.70	02/26/23 14:31	0	*	Waianae	Oversupply
02/26/23 12:51	0.0	17.50	02/26/23 14:37	0	28.01	WestL	Oversupply
02/27/23 02:39	0.0	23.80	02/27/23 05:10	0	*	NPM	Oversupply
02/27/23 11:17	0.0	9.60	02/27/23 15:40	0	*	KSMakai	Oversupply
02/27/23 11:17	0.0	11.70	02/27/23 15:41	0	*	KSMauka	Oversupply
02/27/23 11:19	0.0	1.20	02/27/23 15:34	0	*	Aloha2	Oversupply
02/27/23 11:24	0.0	1.60	02/27/23 15:32	0	*	MFO	Oversupply
02/27/23 11:26	0.0	23.40	02/27/23 15:31	0	*	NPM	Oversupply
02/27/23 11:29	0.0	13.10	02/27/23 15:13	0	*	Lani	Oversupply
02/27/23 11:29	0.0	13.50	02/27/23 15:13	0	*	Waipio PV	Oversupply
02/27/23 13:09	0.0	19.80	02/27/23 14:54	0	26.54	WestL	Oversupply
02/27/23 13:10	0.0	26.90	02/27/23 14:49	0	*	Waianae	Oversupply
02/28/23 07:11	0.0	0.00	02/28/23 07:47	0	*	WAIH N	System Constraints
02/28/23 07:11	0.0	0.00	02/28/23 07:47	0	*	WAIH S	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report February 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
02/28/23 11:11	0.0	10.10	02/28/23 15:46	0	*	KSMakai	Oversupply
02/28/23 11:11	0.0	3.40	02/28/23 15:46	0	*	KSMauka	Oversupply
02/28/23 11:52	0.0	1.00	02/28/23 14:28	0	*	Aloha2	Oversupply
02/28/23 11:53	0.0	2.80	02/28/23 14:22	0	*	MFO	Oversupply
02/28/23 11:54	0.0	23.80	02/28/23 14:19	0	*	NPM	Oversupply
02/28/23 14:50	0.0	31.10	02/28/23 15:45	0	*	KWMauka	System Constraints
02/28/23 15:18	0.0	3.50	02/28/23 15:44	0	*	WAIH N	System Constraints
02/28/23 15:18	0.0	0.80	02/28/23 15:44	0	*	WAIH S	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 = Kawaiolo Solar Makai
KSMauka = Kawaiolo Solar Mauka
KWMakai = Kawaiolo Wind Makai
KWMauka = Kawaiolo 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 February 2023

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released ¹	IPP	Reason for Curtailment
02/04/23 12:00	0.2 MW	02/04/23 15:42	0.0 MW	TGUHI	Oversupply
02/04/23 13:31	17.6 MW	02/04/23 15:26	17.3 MW	Pakini Nui	Oversupply
02/06/23 12:22	0.6 MW	02/06/23 14:19	0.0 MW	TGUHI	Oversupply
02/06/23 12:31	17.6 MW	02/06/23 14:16	16.8 MW	Pakini Nui	Oversupply
02/06/23 20:47	17.6 MW	02/07/23 05:20	16.2 MW	Pakini Nui	Facility Requested
02/08/23 01:10	17.6 MW	02/08/23 04:44	17.4 MW	Pakini Nui	Oversupply
02/08/23 08:41	17.6 MW	02/11/23 05:24	16.4 MW	Pakini Nui	Facility Requested
02/09/23 17:40	8.3 MW	02/09/23 19:12	1.2 MW	Hawi Renewable Dev	Facility Requested
02/10/23 10:35	9.0 MW	02/10/23 16:21	0.0 MW	Hawi Renewable Dev	System Constraint
02/11/23 10:25	0.6 MW	02/11/23 11:22	0.0 MW	TGUHI	Oversupply
02/11/23 10:46	16.3 MW	02/11/23 11:21	16.0 MW	Pakini Nui	Oversupply
02/11/23 13:06	0.2 MW	02/11/23 13:48	0.0 MW	TGUHI	Oversupply
02/11/23 13:06	16.5 MW	02/11/23 13:47	14.3 MW	Pakini Nui	Oversupply
02/12/23 00:11	17.6 MW	02/12/23 05:36	16.0 MW	Pakini Nui	Oversupply
02/12/23 10:23	0.5 MW	02/12/23 13:44	0.0 MW	TGUHI	Oversupply
02/12/23 10:26	17.5 MW	02/12/23 13:40	14.8 MW	Pakini Nui	Oversupply
02/12/23 14:51	0.2 MW	02/12/23 15:54	0.0 MW	TGUHI	Oversupply
02/12/23 14:51	17.4 MW	02/12/23 15:53	12.5 MW	Pakini Nui	Oversupply
02/13/23 02:07	7.6 MW	02/13/23 04:11	7.2 MW	Pakini Nui	Oversupply
02/13/23 04:29	12.9 MW	02/13/23 05:02	14.3 MW	Pakini Nui	Oversupply
02/13/23 11:13	16.4 MW	02/13/23 12:14	10.3 MW	Pakini Nui	System Constraint
02/13/23 12:06	0.6 MW	02/13/23 14:11	0.0 MW	TGUHI	Oversupply
02/13/23 12:13	10.3 MW	02/13/23 14:18	4.6 MW	Pakini Nui	Oversupply
02/17/23 01:15	19.0 MW	02/17/23 05:04	16.6 MW	Pakini Nui	Oversupply
02/17/23 10:09	13.8 MW	02/17/23 10:10	10.3 MW	Pakini Nui	System Constraint
02/17/23 13:37	13.5 MW	02/17/23 14:32	11.2 MW	Pakini Nui	System Constraint
02/19/23 02:30	15.1 MW	02/19/23 02:40	18.9 MW	Pakini Nui	System Constraint
02/23/23 01:22	17.9 MW	02/23/23 04:26	15.7 MW	Pakini Nui	Oversupply
02/23/23 08:02	9.5 MW	02/23/23 14:31	2.1 MW	Hawi Renewable Dev	System Constraint
02/23/23 11:41	16.4 MW	02/23/23 20:09	15.3 MW	Pakini Nui	Facility Requested
02/24/23 16:54	16.4 MW	02/25/23 05:39	16.2 MW	Pakini Nui	Facility Requested
02/26/23 01:06	17.9 MW	02/26/23 05:22	15.7 MW	Pakini Nui	Oversupply
02/26/23 10:20	0.1 MW	02/26/23 17:14	0.0 MW	West Hawaii Civic Center	Oversupply
02/26/23 10:20	16.4 MW	02/26/23 14:50	14.3 MW	Pakini Nui	Oversupply
02/26/23 15:28	10.5 MW	02/26/23 17:20	11.0 MW	Pakini Nui	Facility Requested
02/26/23 21:09	17.9 MW	02/27/23 05:26	17.8 MW	Pakini Nui	Facility Requested
02/27/23 12:07	0.1 MW	02/27/23 14:20	0.0 MW	West Hawaii Civic Center	Oversupply
02/27/23 12:23	17.9 MW	02/27/23 14:15	15.7 MW	Pakini Nui	Oversupply
02/27/23 14:39	0.0 MW	02/27/23 15:21	0.0 MW	West Hawaii Civic Center	Oversupply
02/27/23 14:40	17.9 MW	02/27/23 15:19	15.4 MW	Pakini Nui	Oversupply
02/28/23 01:13	17.8 MW	02/28/23 04:52	16.4 MW	Pakini Nui	Oversupply
02/28/23 08:06	16.5 MW	02/28/23 08:20	12.9 MW	Pakini Nui	System Constraint
02/28/23 11:13	11.8 MW	02/28/23 16:19	12.1 MW	Pakini Nui	Facility Requested
02/28/23 12:04	0.5 MW	02/28/23 14:21	0.0 MW	TGUHI	Oversupply
02/28/23 12:04	0.0 MW	02/28/23 14:21	0.0 MW	West Hawaii Civic Center	Oversupply
02/28/23 12:06	12.4 MW	02/28/23 13:13	4.1 MW	Pakini Nui	Oversupply

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



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/1/2023 10:48	0:05	17-2	0.04456	0.58300	Oversupply
2/1/2023 10:50	0:02	SSA3	0.00439	2.03100	Oversupply
2/1/2023 20:48	0:01	KWP11	0.001645711	0.12873623	Oversupply
2/1/2023 22:27	0:01	AWE	0.00500	0.30000	Oversupply
2/2/2023 10:21	0:02	17-2	0.00437	0.75000	Oversupply
2/2/2023 10:24	0:03	17-2	0.02078	0.75000	Oversupply
2/2/2023 10:29	0:06	17-2	0.04648	0.75000	Oversupply
2/2/2023 10:30	0:02	SSA3	0.03199	1.20300	Oversupply
2/2/2023 10:32	0:02	SSA3	0.03252	2.21700	Oversupply
2/2/2023 10:36	2:27	17-2	1.03828	0.75000	Oversupply
2/2/2023 10:36	0:02	SSA3	0.03252	1.30800	Oversupply
2/2/2023 10:38	0:02	SSA3	0.03199	0.60000	Oversupply
2/2/2023 10:40	0:02	SSA3	0.03252	1.39100	Oversupply
2/2/2023 10:42	0:02	SSA3	0.03252	1.07300	Oversupply
2/2/2023 10:44	0:02	SSA3	0.05603	0.26400	Oversupply
2/2/2023 10:45	0:01	BS250	Data not available	Data not available	Oversupply
2/2/2023 10:45	0:01	AWE	0.01156	9.90000	Oversupply
2/2/2023 10:46	0:02	SSA3	0.06700	1.39200	Oversupply
2/2/2023 10:48	0:02	SSA3	0.06700	0.64400	Oversupply
2/2/2023 10:50	0:02	SSA3	0.06645	0.88000	Oversupply
2/2/2023 10:52	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 10:52	0:02	AWE	0.01773	9.10000	Oversupply
2/2/2023 10:52	0:02	SSA3	0.06756	0.02700	Oversupply
2/2/2023 10:54	0:02	SSA3	0.06700	0.41000	Oversupply
2/2/2023 10:56	0:02	SSA3	0.06645	0.17600	Oversupply
2/2/2023 10:57	0:04	BS250	Data not available	Data not available	Oversupply
2/2/2023 10:57	0:04	AWE	0.03961	10.50000	Oversupply
2/2/2023 10:58	0:02	SSA3	0.06954	0.01000	Oversupply
2/2/2023 11:00	0:02	SSA3	0.07872	0.21100	Oversupply
2/2/2023 11:02	0:02	SSA3	0.07937	0.69400	Oversupply
2/2/2023 11:04	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:04	0:02	AWE	0.00510	9.40000	Oversupply
2/2/2023 11:04	0:02	SSA3	0.07807	0.01200	Oversupply
2/2/2023 11:06	0:02	SSA3	0.07937	0.26300	Oversupply
2/2/2023 11:08	0:14	SSA3	0.56097	0.17600	Oversupply
2/2/2023 11:09	0:13	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:09	0:07	AWE	0.07479	9.10000	Oversupply
2/2/2023 11:17	0:05	AWE	0.08745	9.50000	Oversupply
2/2/2023 11:22	0:02	SSA3	0.08225	0.41400	Oversupply
2/2/2023 11:24	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:24	0:02	AWE	0.01687	8.50000	Oversupply
2/2/2023 11:24	0:02	SSA3	0.08225	0.00500	Oversupply
2/2/2023 11:26	0:02	SSA3	0.08293	0.54600	Oversupply
2/2/2023 11:28	0:02	SSA3	0.08465	0.39300	Oversupply
2/2/2023 11:29	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:29	0:02	AWE	0.00754	6.90000	Oversupply
2/2/2023 11:30	0:02	SSA3	0.09062	0.37900	Oversupply
2/2/2023 11:32	0:12	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:32	0:12	AWE	0.10516	7.10000	Oversupply
2/2/2023 11:32	0:14	SSA3	0.63087	0.00500	Oversupply
2/2/2023 11:45	0:01	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:45	0:01	AWE	0.00599	5.50000	Oversupply
2/2/2023 11:47	0:06	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:47	0:02	SSA3	0.08580	0.07800	Oversupply
2/2/2023 11:49	0:04	AWE	0.02502	7.00000	Oversupply
2/2/2023 11:49	0:04	SSA3	0.17303	0.00600	Oversupply
2/2/2023 11:53	0:02	SSA3	0.08795	0.20100	Oversupply
2/2/2023 11:55	0:02	SSA3	0.08723	0.22600	Oversupply
2/2/2023 11:56	0:01	BS250	Data not available	Data not available	Oversupply
2/2/2023 11:56	0:01	AWE	0.00351	7.30000	Oversupply
2/2/2023 11:57	0:02	SSA3	0.08652	0.30700	Oversupply
2/2/2023 11:59	0:02	SSA3	0.07292	0.36400	Oversupply
2/2/2023 12:01	0:02	SSA3	0.06642	0.20600	Oversupply
2/2/2023 12:03	0:02	SSA3	0.06642	0.93500	Oversupply
2/2/2023 12:05	0:02	SSA3	0.06642	0.77400	Oversupply
2/2/2023 12:07	0:02	SSA3	0.06587	1.45000	Oversupply
2/2/2023 12:09	0:02	SSA3	0.06642	0.91000	Oversupply
2/2/2023 12:11	0:02	SSA3	0.06642	0.28200	Oversupply
2/2/2023 12:13	0:02	SSA3	0.06614	0.52700	Oversupply
2/2/2023 12:15	0:02	SSA3	0.06640	1.93700	Oversupply
2/2/2023 12:17	0:02	SSA3	0.06585	1.65500	Oversupply
2/2/2023 12:19	0:02	SSA3	0.06694	0.86000	Oversupply
2/2/2023 12:21	0:02	SSA3	0.06585	0.91300	Oversupply
2/2/2023 12:23	0:02	SSA3	0.06531	1.54600	Oversupply
2/2/2023 12:25	0:02	SSA3	0.06531	0.26400	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/2/2023 12:27	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 12:27	0:01	AWE	0.01163	9.10000	Oversupply
2/2/2023 12:27	0:02	SSA3	0.06585	0.05400	Oversupply
2/2/2023 12:29	0:02	SSA3	0.08598	0.13600	Oversupply
2/2/2023 12:31	0:02	SSA3	0.09455	0.50800	Oversupply
2/2/2023 12:32	0:01	BS250	Data not available	Data not available	Oversupply
2/2/2023 12:32	0:01	AWE	0.00420	8.70000	Oversupply
2/2/2023 12:33	0:02	SSA3	0.09300	0.09800	Oversupply
2/2/2023 12:35	0:05	BS250	Data not available	Data not available	Oversupply
2/2/2023 12:35	0:05	AWE	0.05614	8.80000	Oversupply
2/2/2023 12:35	0:06	SSA3	0.28055	0.00000	Oversupply
2/2/2023 12:41	0:08	BS250	Data not available	Data not available	Oversupply
2/2/2023 12:41	0:08	AWE	0.07708	9.10000	Oversupply
2/2/2023 12:41	0:08	SSA3	0.32416	0.00600	Oversupply
2/2/2023 12:49	0:02	SSA3	0.06941	0.04400	Oversupply
2/2/2023 12:50	0:02	BS250	Data not available	Data not available	Oversupply
2/2/2023 12:50	0:02	AWE	0.01309	10.10000	Oversupply
2/2/2023 12:51	0:02	SSA3	0.06884	0.60800	Oversupply
2/2/2023 12:53	0:02	SSA3	0.06941	0.45200	Oversupply
2/2/2023 12:55	0:04	SSA3	0.13768	0.49700	Oversupply
2/2/2023 12:59	0:02	SSA3	0.03275	0.66500	Oversupply
2/2/2023 13:54	0:40	17-2	0.48990	0.75000	Oversupply
2/2/2023 13:54	0:02	SSA3	0.03553	1.13800	Oversupply
2/2/2023 13:56	0:02	SSA3	0.03612	1.37100	Oversupply
2/2/2023 13:58	0:02	SSA3	0.04013	0.28500	Oversupply
2/2/2023 14:00	0:02	SSA3	0.05163	0.28300	Oversupply
2/2/2023 14:02	0:02	SSA3	0.05249	0.44900	Oversupply
2/2/2023 14:04	0:02	SSA3	0.05249	0.25800	Oversupply
2/2/2023 14:06	0:02	SSA3	0.05249	0.59300	Oversupply
2/2/2023 14:08	0:02	SSA3	0.05206	1.50400	Oversupply
2/2/2023 14:10	0:02	SSA3	0.05249	1.45800	Oversupply
2/2/2023 14:12	0:02	SSA3	0.05249	1.22600	Oversupply
2/2/2023 14:14	0:02	SSA3	0.04150	0.91300	Oversupply
2/2/2023 14:16	0:02	SSA3	0.03549	1.31000	Oversupply
2/2/2023 14:18	0:02	SSA3	0.03549	2.28200	Oversupply
2/2/2023 14:20	0:02	SSA3	0.03520	1.01000	Oversupply
2/2/2023 14:22	0:02	SSA3	0.03549	1.01000	Oversupply
2/2/2023 14:24	0:02	SSA3	0.03578	1.65000	Oversupply
2/2/2023 14:26	0:02	SSA3	0.03520	1.28100	Oversupply
2/2/2023 14:28	0:02	SSA3	0.02429	1.31800	Oversupply
2/2/2023 14:30	0:02	SSA3	0.00410	1.51700	Oversupply
2/3/2023 10:02	0:49	17-2	0.38335	0.75000	Oversupply
2/3/2023 10:03	0:02	SSA3	0.05354	0.68900	Oversupply
2/3/2023 10:04	0:08	BS250	Data not available	Data not available	Oversupply
2/3/2023 10:04	0:08	KWP11	0.341108871	4.771224	Oversupply
2/3/2023 10:05	0:08	SSA3	0.21506	-0.00300	Oversupply
2/3/2023 10:06	0:02	AWE	0.01198	19.10000	Oversupply
2/3/2023 10:13	0:02	SSA3	0.05710	0.17100	Oversupply
2/3/2023 10:15	0:14	SSA3	0.60917	0.11800	Oversupply
2/3/2023 10:16	0:14	BS250	Data not available	Data not available	Oversupply
2/3/2023 10:16	0:14	KWP11	0.532367884	6.7541614	Oversupply
2/3/2023 10:29	0:16	SSA3	0.31953	-0.00200	Oversupply
2/3/2023 10:31	0:16	BS250	Data not available	Data not available	Oversupply
2/3/2023 10:31	0:16	KWP11	0.505664857	6.761147	Oversupply
2/3/2023 10:45	0:02	SSA3	0.00504	0.04200	Oversupply
2/3/2023 10:47	0:02	SSA3	0.00508	0.36000	Oversupply
2/3/2023 10:49	0:02	SSA3	0.00508	0.90700	Oversupply
2/3/2023 10:51	0:02	SSA3	0.00504	1.10600	Oversupply
2/3/2023 10:52	0:01	17-2	0.00400	0.24000	Oversupply
2/3/2023 10:54	0:01	17-2	0.00143	0.46200	Oversupply
2/3/2023 11:15	0:53	17-2	0.62168	0.75000	Oversupply
2/3/2023 11:15	0:02	SSA3	0.07994	0.94700	Oversupply
2/3/2023 11:17	0:02	SSA3	0.07863	0.47500	Oversupply
2/3/2023 11:19	0:36	SSA3	1.23583	0.01600	Oversupply
2/3/2023 11:20	0:35	BS250	Data not available	Data not available	Oversupply
2/3/2023 11:20	0:35	KWP11	1.794024195	6.4996829	Oversupply
2/3/2023 11:23	0:04	AWE	0.01726	17.90000	Oversupply
2/3/2023 11:28	0:02	AWE	0.01898	17.40000	Oversupply
2/3/2023 11:31	0:04	AWE	0.04033	18.10000	Oversupply
2/3/2023 11:36	0:03	AWE	0.01888	17.80000	Oversupply
2/3/2023 11:56	0:02	SSA3	0.06088	0.51300	Oversupply
2/3/2023 12:00	0:02	SSA3	0.03444	1.11100	Oversupply
2/3/2023 12:02	0:02	SSA3	0.03473	1.28900	Oversupply
2/3/2023 12:04	0:02	SSA3	0.03444	1.50700	Oversupply
2/3/2023 12:09	2:25	17-2	1.68459	0.75000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/3/2023 12:10	0:02	SSA3	0.03444	1.76400	Oversupply
2/3/2023 12:12	0:02	SSA3	0.03416	2.75400	Oversupply
2/3/2023 12:14	0:01	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:14	0:01	KWP11	0.008000991	0.48700219	Oversupply
2/3/2023 12:14	0:02	SSA3	0.07062	0.05400	Oversupply
2/3/2023 12:16	0:10	SSA3	0.44374	0.15600	Oversupply
2/3/2023 12:17	0:02	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:17	0:02	AWE	0.02961	17.00000	Oversupply
2/3/2023 12:17	0:02	KWP11	0.021788691	0.75645012	Oversupply
2/3/2023 12:20	0:06	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:20	0:06	AWE	0.11467	16.40000	Oversupply
2/3/2023 12:20	0:06	KWP11	0.162997858	2.2503891	Oversupply
2/3/2023 12:26	0:02	SSA3	0.08963	0.07100	Oversupply
2/3/2023 12:28	0:01	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:28	0:01	KWP11	0.005496442	3.6485245	Oversupply
2/3/2023 12:28	0:02	SSA3	0.08963	0.03400	Oversupply
2/3/2023 12:30	0:01	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:30	0:01	KWP11	0.00627933	2.1955016	Oversupply
2/3/2023 12:30	0:02	SSA3	0.08977	0.36200	Oversupply
2/3/2023 12:32	0:17	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:32	0:01	AWE	0.00816	18.00000	Oversupply
2/3/2023 12:32	0:17	KWP11	0.581850336	3.860091	Oversupply
2/3/2023 12:32	0:02	SSA3	0.08977	0.00300	Oversupply
2/3/2023 12:34	0:14	SSA3	0.59320	-0.00400	Oversupply
2/3/2023 12:35	0:01	AWE	0.01122	16.90000	Oversupply
2/3/2023 12:38	0:05	AWE	0.12131	17.30000	Oversupply
2/3/2023 12:44	0:02	AWE	0.03004	16.20000	Oversupply
2/3/2023 12:47	0:01	AWE	0.00322	16.50000	Oversupply
2/3/2023 12:48	0:02	SSA3	0.05194	0.05700	Oversupply
2/3/2023 12:50	0:02	SSA3	0.05237	0.77700	Oversupply
2/3/2023 12:52	0:38	BS250	Data not available	Data not available	Oversupply
2/3/2023 12:52	0:38	KWP11	1.051845427	5.4907498	Oversupply
2/3/2023 12:52	0:38	SSA3	1.33890	1.05600	Oversupply
2/3/2023 12:57	0:33	AWE	1.95745	16.70000	Oversupply
2/3/2023 13:31	0:02	SSA3	0.04166	0.29000	Oversupply
2/3/2023 13:33	0:02	SSA3	0.04132	1.58300	Oversupply
2/3/2023 13:35	0:02	SSA3	0.04132	1.54200	Oversupply
2/3/2023 13:37	0:02	SSA3	0.04098	1.70800	Oversupply
2/3/2023 13:39	0:33	BS250	Data not available	Data not available	Oversupply
2/3/2023 13:39	0:22	AWE	0.84782	17.80000	Oversupply
2/3/2023 13:39	0:29	KWP11	0.283345755	1.2234932	Oversupply
2/3/2023 13:39	0:34	SSA3	1.02302	0.01900	Oversupply
2/3/2023 14:02	0:10	AWE	0.20150	18.30000	Oversupply
2/3/2023 14:13	0:02	SSA3	0.04852	0.33500	Oversupply
2/3/2023 14:15	0:02	SSA3	0.07764	0.56500	Oversupply
2/3/2023 14:17	0:02	SSA3	0.07893	0.23000	Oversupply
2/3/2023 14:18	0:03	BS250	Data not available	Data not available	Oversupply
2/3/2023 14:18	0:03	AWE	0.03451	16.40000	Oversupply
2/3/2023 14:19	0:02	SSA3	0.07893	0.00700	Oversupply
2/3/2023 14:21	0:02	SSA3	0.07828	-0.00500	Oversupply
2/3/2023 14:23	0:02	SSA3	0.07893	-0.00300	Oversupply
2/3/2023 14:25	0:02	SSA3	0.07893	0.25300	Oversupply
2/3/2023 14:27	0:02	SSA3	0.07893	1.30900	Oversupply
2/3/2023 14:29	0:02	SSA3	0.02542	1.74000	Oversupply
2/3/2023 14:31	0:02	SSA3	0.00400	1.31500	Oversupply
2/3/2023 14:33	0:02	SSA3	0.00403	2.46400	Oversupply
2/3/2023 14:35	0:08	17-2	0.07978	0.75000	Oversupply
2/3/2023 14:35	0:02	SSA3	0.00403	2.16000	Oversupply
2/3/2023 14:37	0:02	SSA3	0.00397	2.16500	Oversupply
2/3/2023 14:39	0:02	SSA3	0.00400	2.56700	Oversupply
2/3/2023 14:41	0:02	SSA3	0.00413	2.54300	Oversupply
2/3/2023 14:44	0:01	17-2	0.00523	0.31400	Oversupply
2/3/2023 17:15	0:02	SSA3	0.00233	0.25400	Oversupply
2/3/2023 17:16	0:01	17-2	0.00088	0.05300	Oversupply
2/3/2023 17:18	0:01	17-2	0.00088	0.05300	Oversupply
2/3/2023 17:20	0:03	BS250	Data not available	Data not available	Oversupply
2/3/2023 17:20	0:03	KWP11	0.026171967	18.939196	Oversupply
2/3/2023 17:21	0:02	SSA3	0.00233	0.05200	Oversupply
2/3/2023 17:22	0:02	17-2	0.00125	0.04300	Oversupply
2/3/2023 17:41	0:04	SSA3	0.00224	0.00100	Oversupply
2/3/2023 17:45	0:01	17-2	0.00031	0.02200	Oversupply
2/3/2023 18:18	0:11	BS250	Data not available	Data not available	Oversupply
2/3/2023 18:18	0:11	KWP11	0.4280524	19.529985	System Constraint
2/3/2023 18:31	0:01	KWP11	0.004179167	19.473101	System Constraint
2/3/2023 23:22	0:05	KWP11	0.076632625	8.8837976	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/3/2023 23:30	4:08	KWP	20.52421595	8.9087467	Oversupply
2/3/2023 23:45	0:43	AWE	1.95868	20.40000	Oversupply
2/4/2023 0:29	0:02	AWE	0.00147	20.20000	Oversupply
2/4/2023 0:32	0:01	AWE	0.00670	20.50000	Oversupply
2/4/2023 0:34	2:37	AWE	15.86202	20.60000	Oversupply
2/4/2023 3:12	0:01	AWE	0.00130	20.60000	Oversupply
2/4/2023 3:14	0:08	AWE	0.11006	20.60000	Oversupply
2/4/2023 3:23	0:15	AWE	0.27094	20.40000	Oversupply
2/4/2023 3:39	1:27	AWE	7.25134	20.80000	Oversupply
2/4/2023 3:39	1:37	KWP	1.324906507	4.0576863	Oversupply
2/4/2023 5:08	0:06	AWE	0.06787	20.70000	Oversupply
2/4/2023 5:17	0:03	KWP	0.041047063	2.0987	Oversupply
2/4/2023 5:21	0:28	KWP	2.320374146	8.1493025	Oversupply
2/4/2023 5:31	0:02	AWE	0.00473	19.90000	Oversupply
2/4/2023 5:44	0:01	AWE	0.00069	19.90000	Oversupply
2/4/2023 5:50	0:02	KWP	0.095016965	6.8150368	Oversupply
2/4/2023 5:54	0:16	KWP	0.358606722	8.7889919	Oversupply
2/4/2023 7:39	0:23	BS250	Data not available	Data not available	Oversupply
2/4/2023 7:39	0:02	17-2	0.00083	0.02500	Oversupply
2/4/2023 7:39	0:23	KWP	1.3066269	19.54196	Oversupply
2/4/2023 7:40	0:22	SSA3	0.12205	-0.00200	Oversupply
2/4/2023 7:46	0:17	17-2	0.01383	0.06100	Oversupply
2/4/2023 8:03	0:01	BS250	Data not available	Data not available	Oversupply
2/4/2023 8:03	0:01	KWP	0.049704983	18.477142	Oversupply
2/4/2023 8:04	0:01	17-2	0.00080	0.04800	Oversupply
2/4/2023 8:11	1:33	BS250	Data not available	Data not available	Oversupply
2/4/2023 8:11	0:26	KWP	1.976290983	20.968039	Oversupply
2/4/2023 8:11	1:42	17-2	0.22137	0.35700	Oversupply
2/4/2023 8:12	1:33	SSA3	2.01547	-0.00300	Oversupply
2/4/2023 8:38	1:06	KWP	4.191998717	20.97702	Oversupply
2/4/2023 9:45	0:02	SSA3	0.01416	0.18200	Oversupply
2/4/2023 9:46	0:04	BS250	Data not available	Data not available	Oversupply
2/4/2023 9:46	0:04	KWP	0.030362017	20.945086	Oversupply
2/4/2023 9:47	0:04	SSA3	0.02855	0.00700	Oversupply
2/4/2023 10:08	6:34	17-2	4.09719	0.75000	Oversupply
2/4/2023 10:09	0:02	SSA3	0.00994	0.29100	Oversupply
2/4/2023 10:11	6:26	BS250	Data not available	Data not available	Oversupply
2/4/2023 10:11	6:26	KWP	109.9671159	21.036898	Oversupply
2/4/2023 10:11	6:11	SSA3	11.12432	0.00400	Oversupply
2/4/2023 10:29	4:51	AWE	64.03838	20.80000	Oversupply
2/4/2023 12:22	0:30	5A	Data not available	Data not available	Oversupply
2/4/2023 12:22	0:30	MS	Data not available	Data not available	Oversupply
2/4/2023 12:41	0:01	KWP	0.002666667	12.24	Oversupply
2/4/2023 12:55	0:02	5A	Data not available	Data not available	Oversupply
2/4/2023 12:55	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 12:55	0:01	KWP	0.002666667	11.28	Oversupply
2/4/2023 13:02	0:04	5A	Data not available	Data not available	Oversupply
2/4/2023 13:02	0:04	MS	Data not available	Data not available	Oversupply
2/4/2023 13:08	0:01	5A	Data not available	Data not available	Oversupply
2/4/2023 13:08	0:01	MS	Data not available	Data not available	Oversupply
2/4/2023 13:08	0:01	KWP	0.002666667	15.440001	Oversupply
2/4/2023 13:10	0:01	5A	Data not available	Data not available	Oversupply
2/4/2023 13:10	0:01	MS	Data not available	Data not available	Oversupply
2/4/2023 13:12	0:02	5A	Data not available	Data not available	Oversupply
2/4/2023 13:12	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 13:15	0:05	5A	Data not available	Data not available	Oversupply
2/4/2023 13:15	0:05	MS	Data not available	Data not available	Oversupply
2/4/2023 13:22	0:02	5A	Data not available	Data not available	Oversupply
2/4/2023 13:22	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 13:25	0:03	5A	Data not available	Data not available	Oversupply
2/4/2023 13:25	0:03	MS	Data not available	Data not available	Oversupply
2/4/2023 13:29	0:07	5A	Data not available	Data not available	Oversupply
2/4/2023 13:29	0:07	MS	Data not available	Data not available	Oversupply
2/4/2023 13:38	0:09	5A	Data not available	Data not available	Oversupply
2/4/2023 13:38	0:09	MS	Data not available	Data not available	Oversupply
2/4/2023 13:40	0:01	KWP	0.002666665	16.559999	Oversupply
2/4/2023 13:48	0:01	5A	Data not available	Data not available	Oversupply
2/4/2023 13:48	0:01	MS	Data not available	Data not available	Oversupply
2/4/2023 13:50	0:03	5A	Data not available	Data not available	Oversupply
2/4/2023 13:50	0:03	MS	Data not available	Data not available	Oversupply
2/4/2023 13:54	0:02	5A	Data not available	Data not available	Oversupply
2/4/2023 13:54	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 13:57	0:03	5A	Data not available	Data not available	Oversupply
2/4/2023 13:57	0:03	MS	Data not available	Data not available	Oversupply
2/4/2023 14:03	0:02	5A	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/4/2023 14:03	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 14:19	0:02	5A	Data not available	Data not available	Oversupply
2/4/2023 14:19	0:02	MS	Data not available	Data not available	Oversupply
2/4/2023 14:23	0:06	5A	Data not available	Data not available	Oversupply
2/4/2023 14:23	0:06	MS	Data not available	Data not available	Oversupply
2/4/2023 16:22	0:02	SSA3	0.02326	-0.00400	Oversupply
2/4/2023 16:24	0:12	SSA3	0.10989	0.00000	Oversupply
2/4/2023 16:36	0:02	SSA3	0.01676	0.13800	Oversupply
2/4/2023 16:38	0:02	SSA3	0.01649	0.54600	Oversupply
2/4/2023 17:04	0:13	17-2	0.02708	0.12500	Oversupply
2/4/2023 17:05	0:02	SSA3	0.01538	0.45700	Oversupply
2/4/2023 17:06	0:10	BS250	Data not available	Data not available	Oversupply
2/4/2023 17:06	0:10	KWPIL	0.326359617	20.010002	Oversupply
2/4/2023 17:07	0:10	SSA3	0.07206	-0.00500	Oversupply
2/4/2023 17:18	0:02	17-2	0.00417	0.12500	Oversupply
2/4/2023 17:19	0:01	BS250	Data not available	Data not available	Oversupply
2/4/2023 17:19	0:01	KWPIL	0.010938933	18.804472	Oversupply
2/4/2023 17:19	0:02	SSA3	0.00929	0.00900	Oversupply
2/4/2023 17:21	0:14	BS250	Data not available	Data not available	Oversupply
2/4/2023 17:21	0:14	KWPIL	0.261982267	21.017937	Oversupply
2/4/2023 17:21	0:15	17-2	0.03125	0.12500	Oversupply
2/4/2023 17:23	0:14	SSA3	0.04642	0.00100	Oversupply
2/4/2023 17:43	0:01	BS250	Data not available	Data not available	Oversupply
2/4/2023 17:43	0:01	17-2	0.00103	0.06200	Oversupply
2/4/2023 17:43	0:01	KWPIL	0.00427135	20.902174	Oversupply
2/4/2023 21:53	6:22	KWPIL	88.92454372	20.809364	Oversupply
2/4/2023 23:56	0:01	AWE	0.00023	20.00000	Oversupply
2/4/2023 23:59	0:01	AWE	0.00384	20.20000	Oversupply
2/5/2023 0:01	0:04	AWE	0.01563	19.90000	Oversupply
2/5/2023 0:07	0:01	AWE	0.00560	19.40000	Oversupply
2/5/2023 0:19	0:01	AWE	0.00567	17.30000	Oversupply
2/5/2023 0:21	3:48	AWE	18.66452	20.70000	Oversupply
2/5/2023 4:42	0:21	KWPIL	3.142932595	13.254842	Oversupply
2/5/2023 4:49	0:07	AWE	0.12524	20.60000	Oversupply
2/5/2023 4:59	0:04	AWE	0.04019	20.50000	Oversupply
2/5/2023 5:05	0:52	KWPIL	9.115244479	16.977215	Oversupply
2/5/2023 5:10	0:33	AWE	1.14158	20.60000	Oversupply
2/5/2023 5:44	0:01	AWE	0.01101	19.00000	Oversupply
2/5/2023 5:47	0:01	AWE	0.00634	19.90000	Oversupply
2/5/2023 7:24	0:01	BS250	Data not available	Data not available	Oversupply
2/5/2023 7:24	0:01	KWPIL	0.00053405	10.53741	Oversupply
2/5/2023 7:27	0:02	SSA3	0.00050	0.05100	Oversupply
2/5/2023 7:29	0:01	BS250	Data not available	Data not available	Oversupply
2/5/2023 7:29	0:01	KWPIL	0.009111133	10.601279	Oversupply
2/5/2023 7:31	0:02	SSA3	0.00013	0.02100	Oversupply
2/5/2023 7:47	0:01	17-2	0.00027	0.02400	Oversupply
2/5/2023 7:49	0:02	SSA3	0.00616	0.00200	Oversupply
2/5/2023 7:50	0:01	BS250	Data not available	Data not available	Oversupply
2/5/2023 7:50	0:01	KWPIL	0.026412033	14.19791	Oversupply
2/5/2023 7:50	0:03	17-2	0.00105	0.02400	Oversupply
2/5/2023 8:11	0:02	SSA3	0.00735	0.58200	Oversupply
2/5/2023 8:13	6:34	BS250	Data not available	Data not available	Oversupply
2/5/2023 8:13	6:31	KWPIL	96.9277451	20.431139	Oversupply
2/5/2023 8:13	6:39	17-2	2.64928	0.75000	Oversupply
2/5/2023 8:13	6:34	SSA3	14.13714	0.04000	Oversupply
2/5/2023 9:20	5:17	AWE	82.81705	21.00000	Oversupply
2/5/2023 11:26	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 11:26	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 11:28	0:05	5A	Data not available	Data not available	Oversupply
2/5/2023 11:28	0:05	MS	Data not available	Data not available	Oversupply
2/5/2023 11:34	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 11:34	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 11:39	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 11:39	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 11:42	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 11:42	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 11:45	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 11:45	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 11:50	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 11:50	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 12:04	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 12:04	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 12:16	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 12:16	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 12:21	0:02	5A	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/5/2023 12:21	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 12:34	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 12:34	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 12:34	0:01	KWP	0.002666667	19.440001	Oversupply
2/5/2023 12:40	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 12:40	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 12:53	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 12:53	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 13:07	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 13:07	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 13:10	0:03	5A	Data not available	Data not available	Oversupply
2/5/2023 13:10	0:03	MS	Data not available	Data not available	Oversupply
2/5/2023 13:15	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 13:15	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 13:21	0:06	5A	Data not available	Data not available	Oversupply
2/5/2023 13:21	0:06	MS	Data not available	Data not available	Oversupply
2/5/2023 13:22	0:01	KWP	0.00481085	18.32	Oversupply
2/5/2023 13:29	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 13:29	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 13:30	0:01	KWP	0.004854083	18.32	Oversupply
2/5/2023 13:32	0:01	KWP	0.005333333	18	Oversupply
2/5/2023 13:34	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 13:34	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 13:37	0:04	5A	Data not available	Data not available	Oversupply
2/5/2023 13:37	0:04	MS	Data not available	Data not available	Oversupply
2/5/2023 13:39	0:01	KWP	0.005333333	17.360001	Oversupply
2/5/2023 13:42	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 13:42	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 13:44	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 13:44	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 13:47	0:02	5A	Data not available	Data not available	Oversupply
2/5/2023 13:47	0:02	MS	Data not available	Data not available	Oversupply
2/5/2023 13:50	0:01	5A	Data not available	Data not available	Oversupply
2/5/2023 13:50	0:01	MS	Data not available	Data not available	Oversupply
2/5/2023 13:55	0:03	5A	Data not available	Data not available	Oversupply
2/5/2023 13:55	0:03	MS	Data not available	Data not available	Oversupply
2/5/2023 14:40	0:05	AWE	0.09830	20.70000	Oversupply
2/5/2023 14:45	0:02	KWP	0.053357585	2.7324016	Oversupply
2/5/2023 14:47	0:02	SSA3	0.00603	0.07900	Oversupply
2/5/2023 14:49	0:02	SSA3	0.00593	0.00300	Oversupply
2/5/2023 14:59	0:02	SSA3	0.01042	1.01500	Oversupply
2/5/2023 15:00	0:01	17-2	0.01250	0.75000	Oversupply
2/5/2023 15:01	0:02	SSA3	0.04346	0.90800	Oversupply
2/5/2023 15:02	0:02	17-2	0.00897	0.58600	Oversupply
2/5/2023 15:05	2:23	17-2	0.71447	0.75000	Oversupply
2/5/2023 15:05	0:02	SSA3	0.04382	1.42500	Oversupply
2/5/2023 15:07	0:02	SSA3	0.04346	0.67500	Oversupply
2/5/2023 15:09	2:18	BS250	Data not available	Data not available	Oversupply
2/5/2023 15:09	2:18	KWP	14.58376685	20.776432	Oversupply
2/5/2023 15:09	2:17	SSA3	2.68373	0.01300	Oversupply
2/5/2023 17:26	0:02	SSA3	0.01280	0.00000	Oversupply
2/5/2023 17:29	0:01	17-2	0.00183	0.11000	Oversupply
2/5/2023 17:30	0:02	SSA3	0.00085	0.35400	Oversupply
2/5/2023 17:35	0:02	SSA3	0.00084	0.12000	Oversupply
2/5/2023 17:36	0:01	17-2	0.00183	0.11000	Oversupply
2/5/2023 22:14	3:48	KWP	41.85799838	20.892195	Oversupply
2/6/2023 0:24	0:19	AWE	0.67117	21.00000	Oversupply
2/6/2023 1:20	0:01	AWE	0.00356	20.60000	Oversupply
2/6/2023 1:22	0:06	AWE	0.13998	21.00000	Oversupply
2/6/2023 1:51	0:01	AWE	0.00512	21.00000	Oversupply
2/6/2023 1:53	0:01	AWE	0.00979	21.00000	Oversupply
2/6/2023 2:03	0:01	KWP	0.005620782	3.0287943	Oversupply
2/6/2023 2:30	2:28	KWP	27.83527146	19.522001	Oversupply
2/6/2023 2:42	0:39	AWE	1.40777	21.00000	Oversupply
2/6/2023 3:24	0:04	AWE	0.04757	21.00000	Oversupply
2/6/2023 3:33	0:04	AWE	0.04317	21.00000	Oversupply
2/6/2023 4:03	0:17	AWE	0.85750	21.00000	Oversupply
2/6/2023 4:59	0:08	KWP	0.165162615	11.392657	Oversupply
2/6/2023 5:13	1:39	KWP	18.76122523	20.985004	Oversupply
2/6/2023 6:47	0:05	BS250	Data not available	Data not available	Oversupply
2/6/2023 6:53	0:02	BS250	Data not available	Data not available	Oversupply
2/6/2023 6:53	0:02	KWP	0.0139048	20.45509	Oversupply
2/6/2023 7:47	0:01	17-2	0.00013	0.01600	Oversupply
2/6/2023 8:09	0:02	SSA3	0.00878	0.20700	Oversupply
2/6/2023 8:10	8:06	17-2	4.39400	0.75000	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/6/2023 8:11	7:52	SSA3	17.05430	-0.00300	Oversupply
2/6/2023 8:12	0:01	BS250	Data not available	Data not available	Oversupply
2/6/2023 8:12	0:01	KWP11	0.000856583	20.719547	Oversupply
2/6/2023 8:14	7:50	BS250	Data not available	Data not available	Oversupply
2/6/2023 8:14	7:50	KWP11	129.1390225	20.895187	Oversupply
2/6/2023 9:43	0:03	AWE	0.02984	20.90000	Oversupply
2/6/2023 9:48	0:30	AWE	1.01340	21.00000	Oversupply
2/6/2023 10:27	0:01	AWE	0.00041	21.00000	Oversupply
2/6/2023 10:29	4:43	AWE	78.97550	21.00000	Oversupply
2/6/2023 11:40	0:04	5A	Data not available	Data not available	Oversupply
2/6/2023 11:40	0:04	MS	Data not available	Data not available	Oversupply
2/6/2023 11:45	0:06	5A	Data not available	Data not available	Oversupply
2/6/2023 11:45	0:06	MS	Data not available	Data not available	Oversupply
2/6/2023 11:52	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 11:52	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 11:52	0:01	KWP	0.002666667	25.360001	Oversupply
2/6/2023 11:54	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 11:54	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 11:58	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 11:58	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 12:05	0:02	5A	Data not available	Data not available	Oversupply
2/6/2023 12:05	0:02	MS	Data not available	Data not available	Oversupply
2/6/2023 12:08	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 12:08	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 12:10	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 12:10	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 12:12	0:01	KWP	0.002666667	22.800001	Oversupply
2/6/2023 12:15	0:07	5A	Data not available	Data not available	Oversupply
2/6/2023 12:15	0:07	MS	Data not available	Data not available	Oversupply
2/6/2023 12:23	0:07	5A	Data not available	Data not available	Oversupply
2/6/2023 12:23	0:07	MS	Data not available	Data not available	Oversupply
2/6/2023 12:31	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 12:31	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 12:33	0:04	5A	Data not available	Data not available	Oversupply
2/6/2023 12:33	0:04	MS	Data not available	Data not available	Oversupply
2/6/2023 12:38	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 12:38	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 12:42	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 12:42	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 12:44	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 12:44	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 12:48	0:04	5A	Data not available	Data not available	Oversupply
2/6/2023 12:48	0:04	MS	Data not available	Data not available	Oversupply
2/6/2023 12:53	0:02	5A	Data not available	Data not available	Oversupply
2/6/2023 12:53	0:02	MS	Data not available	Data not available	Oversupply
2/6/2023 12:56	0:06	5A	Data not available	Data not available	Oversupply
2/6/2023 12:56	0:06	MS	Data not available	Data not available	Oversupply
2/6/2023 12:56	0:01	KWP	0.005333335	20.720001	Oversupply
2/6/2023 13:04	0:19	5A	Data not available	Data not available	Oversupply
2/6/2023 13:04	0:19	MS	Data not available	Data not available	Oversupply
2/6/2023 13:17	0:01	KWP	0.002666667	21.68	Oversupply
2/6/2023 13:24	0:10	5A	Data not available	Data not available	Oversupply
2/6/2023 13:24	0:10	MS	Data not available	Data not available	Oversupply
2/6/2023 13:31	0:01	KWP	0.002666665	21.52	Oversupply
2/6/2023 13:33	0:01	KWP	0.002666667	22.16	Oversupply
2/6/2023 13:35	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 13:35	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 13:39	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 13:39	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 13:41	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 13:41	0:01	MS	Data not available	Data not available	Oversupply
2/6/2023 13:44	0:02	5A	Data not available	Data not available	Oversupply
2/6/2023 13:44	0:02	MS	Data not available	Data not available	Oversupply
2/6/2023 13:44	0:01	KWP	0.002666667	25.68	Oversupply
2/6/2023 13:48	0:13	5A	Data not available	Data not available	Oversupply
2/6/2023 13:48	0:13	MS	Data not available	Data not available	Oversupply
2/6/2023 13:55	0:01	KWP	0.002666667	25.68	Oversupply
2/6/2023 14:00	0:01	KWP	0.005333333	25.040001	Oversupply
2/6/2023 14:02	0:03	5A	Data not available	Data not available	Oversupply
2/6/2023 14:02	0:03	MS	Data not available	Data not available	Oversupply
2/6/2023 14:06	0:04	5A	Data not available	Data not available	Oversupply
2/6/2023 14:06	0:04	MS	Data not available	Data not available	Oversupply
2/6/2023 14:06	0:01	KWP	8.67667E-05	25.360001	Oversupply
2/6/2023 14:11	0:01	5A	Data not available	Data not available	Oversupply
2/6/2023 14:11	0:01	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/6/2023 14:13	0:02	5A	Data not available	Data not available	Oversupply
2/6/2023 14:13	0:02	MS	Data not available	Data not available	Oversupply
2/6/2023 15:15	0:04	AWE	0.05119	21.00000	Oversupply
2/6/2023 16:04	0:02	SSA3	0.03882	0.25000	Oversupply
2/6/2023 16:05	0:02	BS250	Data not available	Data not available	Oversupply
2/6/2023 16:05	0:02	KWP11	0.050980833	19.97707	Oversupply
2/6/2023 16:06	0:02	SSA3	0.03882	-0.00500	Oversupply
2/6/2023 16:08	0:02	SSA3	0.03882	-0.00500	Oversupply
2/6/2023 16:10	0:02	SSA3	0.03850	-0.00400	Oversupply
2/6/2023 16:14	0:02	SSA3	0.03521	1.49300	Oversupply
2/6/2023 16:20	0:29	17-2	0.19736	0.64800	Oversupply
2/6/2023 16:22	0:22	BS250	Data not available	Data not available	Oversupply
2/6/2023 16:22	0:22	KWP11	0.791418033	20.759466	Oversupply
2/6/2023 16:22	0:22	SSA3	0.37374	0.02000	Oversupply
2/6/2023 16:44	0:02	SSA3	0.01989	-0.00300	Oversupply
2/6/2023 16:46	0:02	SSA3	0.00466	0.17000	Oversupply
2/6/2023 16:50	0:01	17-2	0.00539	0.33400	Oversupply
2/6/2023 17:48	0:01	BS250	Data not available	Data not available	Oversupply
2/6/2023 17:48	0:01	KWP11	0.00389595	19.21563	Oversupply
2/6/2023 17:48	0:02	17-2	0.00247	0.12700	Oversupply
2/6/2023 17:48	0:02	SSA3	0.00200	0.00900	Oversupply
2/6/2023 17:51	0:01	17-2	0.00172	0.10300	Oversupply
2/6/2023 18:16	0:03	BS250	Data not available	Data not available	Oversupply
2/6/2023 18:16	0:03	KWP11	0.0468495	20.85527	Oversupply
2/6/2023 18:23	0:04	BS250	Data not available	Data not available	Oversupply
2/6/2023 18:23	0:04	KWP11	0.1253214	21.031908	Oversupply
2/6/2023 20:25	0:02	KWP11	0.029212867	20.959057	Oversupply
2/6/2023 20:29	0:06	KWP11	0.068489633	20.841299	Oversupply
2/6/2023 21:41	0:04	KWP11	0.039881933	19.843344	Oversupply
2/6/2023 21:46	0:02	KWP11	0.029468417	19.260536	Oversupply
2/6/2023 21:49	0:55	KWP11	3.638010725	20.916145	Oversupply
2/6/2023 23:17	4:33	KWP11	63.89576513	20.86525	Oversupply
2/7/2023 0:06	0:45	AWE	2.08848	21.00000	Oversupply
2/7/2023 0:59	1:52	AWE	11.16241	21.00000	Oversupply
2/7/2023 2:53	0:23	AWE	1.16622	21.00000	Oversupply
2/7/2023 3:17	0:04	AWE	0.03560	21.00000	Oversupply
2/7/2023 3:22	0:13	AWE	0.38675	21.00000	Oversupply
2/7/2023 3:36	0:01	AWE	0.00472	21.00000	Oversupply
2/7/2023 3:51	0:02	KWP11	0.010833522	3.4419477	Oversupply
2/7/2023 3:54	0:26	KWP11	2.920780255	14.402491	Oversupply
2/7/2023 4:42	1:04	KWP11	6.40010662	13.087186	Oversupply
2/7/2023 4:55	0:21	AWE	0.69158	21.00000	Oversupply
2/7/2023 5:17	0:16	AWE	0.48584	21.00000	Oversupply
2/7/2023 5:47	0:11	KWP11	0.3900272	10.551381	Oversupply
2/7/2023 6:00	0:02	KWP11	0.036258477	8.4087715	Oversupply
2/7/2023 9:34	7:19	17-2	1.80780	0.75000	Oversupply
2/7/2023 9:34	0:02	SSA3	0.03597	0.77300	Oversupply
2/7/2023 9:35	0:02	BS250	Data not available	Data not available	Oversupply
2/7/2023 9:35	0:02	KWP11	0.023841222	6.8090491	Oversupply
2/7/2023 9:36	3:16	SSA3	7.79204	-0.00300	Oversupply
2/7/2023 9:38	3:11	BS250	Data not available	Data not available	Oversupply
2/7/2023 9:38	3:11	KWP11	31.82377826	18.207695	Oversupply
2/7/2023 9:57	0:07	AWE	0.16444	21.00000	Oversupply
2/7/2023 10:30	0:18	AWE	1.11616	21.00000	Oversupply
2/7/2023 11:11	0:17	AWE	0.81856	21.00000	Oversupply
2/7/2023 11:36	0:02	AWE	0.01681	21.00000	Oversupply
2/7/2023 11:40	0:16	AWE	0.99747	21.00000	Oversupply
2/7/2023 12:10	0:04	AWE	0.04416	21.00000	Oversupply
2/7/2023 12:18	0:02	AWE	0.00994	21.00000	Oversupply
2/7/2023 12:26	0:03	AWE	0.01454	21.00000	Oversupply
2/7/2023 12:50	0:01	BS250	Data not available	Data not available	Oversupply
2/7/2023 12:50	0:01	KWP11	0.011835877	8.9696226	Oversupply
2/7/2023 12:51	0:02	SSA3	0.09591	-0.00300	Oversupply
2/7/2023 12:53	0:18	SSA3	0.85372	0.30600	Oversupply
2/7/2023 12:54	0:16	BS250	Data not available	Data not available	Oversupply
2/7/2023 12:54	0:16	KWP11	0.947116402	12.896576	Oversupply
2/7/2023 13:12	0:17	BS250	Data not available	Data not available	Oversupply
2/7/2023 13:12	0:17	KWP11	1.359089863	11.284879	Oversupply
2/7/2023 13:12	0:20	SSA3	0.95362	0.00100	Oversupply
2/7/2023 13:30	0:02	BS250	Data not available	Data not available	Oversupply
2/7/2023 13:30	0:02	KWP11	0.022830987	7.63835	Oversupply
2/7/2023 13:32	0:02	SSA3	0.08775	0.25900	Oversupply
2/7/2023 13:34	0:09	BS250	Data not available	Data not available	Oversupply
2/7/2023 13:34	0:09	KWP11	0.552689448	10.934596	Oversupply
2/7/2023 13:34	0:10	SSA3	0.43802	-0.00400	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
2/7/2023 13:44	0:02	SSA3	0.08775	-0.00400	Oversupply
2/7/2023 13:46	0:09	BS250	Data not available	Data not available	Oversupply
2/7/2023 13:46	0:09	KWPIL	0.203178378	10.152199	Oversupply
2/7/2023 13:46	0:04	SSA3	0.15953	0.46200	Oversupply
2/7/2023 13:50	0:06	SSA3	0.23995	-0.00300	Oversupply
2/7/2023 13:56	0:04	BS250	Data not available	Data not available	Oversupply
2/7/2023 13:56	0:03	KWPIL	0.024099923	10.097312	Oversupply
2/7/2023 13:56	2:56	SSA3	4.70147	0.00200	Oversupply
2/7/2023 14:01	2:51	BS250	Data not available	Data not available	Oversupply
2/7/2023 14:01	2:48	KWPIL	36.56600454	20.969036	Oversupply
2/7/2023 14:16	1:05	AWE	4.30665	21.00000	Oversupply
2/7/2023 16:50	0:02	KWPIL	0.009815467	20.171671	Oversupply
2/7/2023 16:54	0:13	17-2	0.02647	0.24000	Oversupply
2/7/2023 16:54	0:02	SSA3	0.01112	0.08200	Oversupply
2/7/2023 16:56	0:09	BS250	Data not available	Data not available	Oversupply
2/7/2023 16:56	0:09	KWPIL	0.1791569	20.968039	Oversupply
2/7/2023 16:56	0:08	SSA3	0.05144	-0.00400	Oversupply
2/7/2023 17:04	0:02	SSA3	0.01646	-0.00500	Oversupply
2/7/2023 17:08	0:02	17-2	0.00303	0.09600	Oversupply
2/7/2023 17:12	0:02	SSA3	0.01632	0.07400	Oversupply
2/7/2023 17:13	0:01	BS250	Data not available	Data not available	Oversupply
2/7/2023 17:13	0:04	17-2	0.00567	0.09800	Oversupply
2/7/2023 17:14	0:02	SSA3	0.00853	0.43500	Oversupply
2/7/2023 17:20	0:06	17-2	0.00545	0.08400	Oversupply
2/7/2023 17:21	0:02	SSA3	0.00351	0.59600	Oversupply
2/7/2023 17:24	0:01	BS250	Data not available	Data not available	Oversupply
2/7/2023 17:24	0:01	KWPIL	0.00773735	20.834312	Oversupply
2/7/2023 17:25	0:02	SSA3	0.00354	0.00600	Oversupply
2/7/2023 22:01	7:08	KWPIL	117.3578926	20.755474	Oversupply
2/8/2023 0:07	0:03	AWE	0.01198	20.60000	Oversupply
2/8/2023 0:28	1:21	AWE	8.21135	21.00000	Oversupply
2/8/2023 2:00	2:31	AWE	15.87151	21.00000	Oversupply
2/8/2023 4:43	0:01	AWE	0.00789	16.90000	Oversupply
2/8/2023 5:10	0:08	KWPIL	0.13798855	19.247564	Oversupply
2/8/2023 5:43	0:22	KWPIL	1.016999933	19.290476	Oversupply
2/8/2023 6:09	0:03	KWPIL	0.034669933	19.291473	Oversupply
2/8/2023 6:13	0:01	KWPIL	0.000212967	19.280497	Oversupply
2/8/2023 7:32	8:39	BS250	Data not available	Data not available	Oversupply
2/8/2023 7:32	8:39	KWPIL	124.6681736	20.813356	Oversupply
2/8/2023 7:32	8:39	SSA3	18.01543	0.00000	Oversupply
2/8/2023 7:33	8:48	17-2	5.07384	0.75000	Oversupply
2/8/2023 9:08	0:07	AWE	0.28496	17.20000	Oversupply
2/8/2023 9:18	0:01	AWE	0.00384	17.00000	Oversupply
2/8/2023 9:21	0:01	AWE	0.00341	16.70000	Oversupply
2/8/2023 9:34	6:28	AWE	100.39315	21.00000	Oversupply
2/8/2023 10:30	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 10:30	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 10:33	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 10:33	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 10:37	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 10:37	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 10:40	0:04	5A	Data not available	Data not available	Oversupply
2/8/2023 10:40	0:04	MS	Data not available	Data not available	Oversupply
2/8/2023 10:51	0:08	5A	Data not available	Data not available	Oversupply
2/8/2023 10:51	0:08	MS	Data not available	Data not available	Oversupply
2/8/2023 10:56	0:01	KWP	0.002666667	18.960001	Oversupply
2/8/2023 11:00	0:07	5A	Data not available	Data not available	Oversupply
2/8/2023 11:00	0:07	MS	Data not available	Data not available	Oversupply
2/8/2023 11:08	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 11:08	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 11:08	0:01	KWP	0.002666667	18.32	Oversupply
2/8/2023 11:12	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 11:12	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 11:17	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 11:17	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 11:19	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 11:19	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 11:23	0:05	5A	Data not available	Data not available	Oversupply
2/8/2023 11:23	0:05	MS	Data not available	Data not available	Oversupply
2/8/2023 11:29	0:05	5A	Data not available	Data not available	Oversupply
2/8/2023 11:29	0:05	MS	Data not available	Data not available	Oversupply
2/8/2023 11:35	0:02	5A	Data not available	Data not available	Oversupply
2/8/2023 11:35	0:02	MS	Data not available	Data not available	Oversupply
2/8/2023 11:38	0:11	5A	Data not available	Data not available	Oversupply
2/8/2023 11:38	0:11	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/8/2023 11:38	0:01	KWP	0.000780233	11.6	Oversupply
2/8/2023 11:43	0:02	KWP	0.005333367	10.320001	Oversupply
2/8/2023 11:48	0:01	KWP	0.002666665	9.5200005	Oversupply
2/8/2023 11:51	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 11:51	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 11:53	0:10	5A	Data not available	Data not available	Oversupply
2/8/2023 11:53	0:10	MS	Data not available	Data not available	Oversupply
2/8/2023 11:53	0:01	KWP	0.002666665	12.56	Oversupply
2/8/2023 11:58	0:01	KWP	0.003569617	13.84	Oversupply
2/8/2023 12:00	0:01	KWP	0.002666667	12.72	Oversupply
2/8/2023 12:05	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 12:05	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 12:05	0:01	KWP	0.002666683	12.400001	Oversupply
2/8/2023 12:07	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 12:07	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 12:09	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 12:09	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 12:12	0:10	5A	Data not available	Data not available	Oversupply
2/8/2023 12:12	0:10	MS	Data not available	Data not available	Oversupply
2/8/2023 12:26	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 12:26	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 12:32	0:07	5A	Data not available	Data not available	Oversupply
2/8/2023 12:32	0:07	MS	Data not available	Data not available	Oversupply
2/8/2023 12:40	0:04	5A	Data not available	Data not available	Oversupply
2/8/2023 12:40	0:04	MS	Data not available	Data not available	Oversupply
2/8/2023 12:45	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 12:45	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 12:49	0:05	5A	Data not available	Data not available	Oversupply
2/8/2023 12:49	0:05	MS	Data not available	Data not available	Oversupply
2/8/2023 12:49	0:01	KWP	0.002241675	10	Oversupply
2/8/2023 12:56	0:02	5A	Data not available	Data not available	Oversupply
2/8/2023 12:56	0:02	MS	Data not available	Data not available	Oversupply
2/8/2023 12:56	0:01	KWP	0.002666663	8.0799999	Oversupply
2/8/2023 13:02	0:05	5A	Data not available	Data not available	Oversupply
2/8/2023 13:02	0:05	MS	Data not available	Data not available	Oversupply
2/8/2023 13:04	0:01	KWP	0.002666665	8.7200003	Oversupply
2/8/2023 13:06	0:01	KWP	0.002666673	7.1200004	Oversupply
2/8/2023 13:08	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 13:08	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 13:12	0:02	5A	Data not available	Data not available	Oversupply
2/8/2023 13:12	0:02	MS	Data not available	Data not available	Oversupply
2/8/2023 13:15	0:04	5A	Data not available	Data not available	Oversupply
2/8/2023 13:15	0:04	MS	Data not available	Data not available	Oversupply
2/8/2023 13:18	0:01	KWP	0.005333337	6.3200002	Oversupply
2/8/2023 13:20	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:20	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:22	0:02	5A	Data not available	Data not available	Oversupply
2/8/2023 13:22	0:02	MS	Data not available	Data not available	Oversupply
2/8/2023 13:25	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:25	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:28	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 13:28	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 13:33	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:33	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:35	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:35	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:38	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:38	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:40	0:04	5A	Data not available	Data not available	Oversupply
2/8/2023 13:40	0:04	MS	Data not available	Data not available	Oversupply
2/8/2023 13:45	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:45	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 13:49	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 13:49	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 14:04	0:12	5A	Data not available	Data not available	Oversupply
2/8/2023 14:04	0:12	MS	Data not available	Data not available	Oversupply
2/8/2023 14:04	0:01	KWP	0.002666667	26.960001	Oversupply
2/8/2023 14:08	0:01	KWP	0.002666667	21.84	Oversupply
2/8/2023 14:11	0:01	KWP	0.002666667	17.200001	Oversupply
2/8/2023 14:15	0:01	KWP	0.002666683	14.320001	Oversupply
2/8/2023 14:17	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 14:17	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 14:21	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 14:21	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 14:21	0:01	KWP	0.002666667	14.64	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/8/2023 14:24	0:05	5A	Data not available	Data not available	Oversupply
2/8/2023 14:24	0:05	MS	Data not available	Data not available	Oversupply
2/8/2023 14:30	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 14:30	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 14:38	0:07	5A	Data not available	Data not available	Oversupply
2/8/2023 14:38	0:07	MS	Data not available	Data not available	Oversupply
2/8/2023 14:49	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 14:49	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 14:51	0:03	5A	Data not available	Data not available	Oversupply
2/8/2023 14:51	0:03	MS	Data not available	Data not available	Oversupply
2/8/2023 14:56	0:08	5A	Data not available	Data not available	Oversupply
2/8/2023 14:56	0:08	MS	Data not available	Data not available	Oversupply
2/8/2023 15:05	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 15:05	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 15:14	0:01	5A	Data not available	Data not available	Oversupply
2/8/2023 15:14	0:01	MS	Data not available	Data not available	Oversupply
2/8/2023 16:11	0:02	SSA3	0.03166	0.77700	Oversupply
2/8/2023 16:13	0:02	SSA3	0.01609	0.90800	Oversupply
2/8/2023 16:15	0:02	SSA3	0.00003	0.63100	Oversupply
2/8/2023 16:31	0:04	17-2	0.02636	0.54800	Oversupply
2/8/2023 22:38	7:02	KWP	114.9959103	20.857265	Oversupply
2/9/2023 0:27	0:10	AWE	0.16382	20.70000	Oversupply
2/9/2023 0:42	4:02	AWE	9.46552	20.80000	Oversupply
2/9/2023 7:29	0:01	17-2	0.00002	0.03600	Oversupply
2/9/2023 8:14	0:02	SSA3	-0.00561	0.51400	Oversupply
2/9/2023 10:12	0:01	17-2	0.00012	0.13000	Oversupply
2/9/2023 10:12	0:02	SSA3	0.01043	2.13100	Oversupply
2/9/2023 11:08	0:01	17-2	0.01250	0.75000	Oversupply
2/9/2023 11:12	0:03	17-2	0.03608	0.75000	Oversupply
2/9/2023 11:12	0:02	SSA3	0.00247	2.26100	Oversupply
2/9/2023 11:18	0:01	17-2	0.00883	0.75000	Oversupply
2/9/2023 11:21	0:01	17-2	0.01250	0.75000	Oversupply
2/9/2023 12:44	0:02	17-2	0.00410	0.45300	Oversupply
2/9/2023 12:51	0:03	17-2	0.02005	0.75000	Oversupply
2/9/2023 12:51	0:02	SSA3	0.00237	2.57800	Oversupply
2/9/2023 12:58	0:01	17-2	0.00710	0.75000	Oversupply
2/9/2023 13:06	0:02	17-2	0.01752	0.75000	Oversupply
2/9/2023 13:45	0:55	17-2	0.47443	0.75000	Oversupply
2/9/2023 13:46	0:02	SSA3	0.08175	0.74800	Oversupply
2/9/2023 13:47	0:08	5A	Data not available	Data not available	Oversupply
2/9/2023 13:47	0:51	BS250	Data not available	Data not available	Oversupply
2/9/2023 13:47	0:08	MS	Data not available	Data not available	Oversupply
2/9/2023 13:47	0:01	KWP	0.005333317	13.68	Oversupply
2/9/2023 13:48	0:50	SSA3	1.92203	-0.00500	Oversupply
2/9/2023 13:49	0:01	KWP	0.002666667	10.8	Oversupply
2/9/2023 13:52	0:20	AWE	1.87091	13.80000	Oversupply
2/9/2023 14:19	0:01	AWE	0.01134	4.30000	Oversupply
2/9/2023 14:21	0:02	AWE	0.01292	4.50000	Oversupply
2/9/2023 14:24	0:04	AWE	0.07127	4.70000	Oversupply
2/9/2023 14:38	0:02	SSA3	0.05688	1.09100	Oversupply
2/9/2023 14:41	1:15	17-2	0.56474	0.75000	Oversupply
2/9/2023 14:42	0:02	SSA3	0.05688	0.34200	Oversupply
2/9/2023 14:43	0:57	BS250	Data not available	Data not available	Oversupply
2/9/2023 14:44	0:57	SSA3	1.73083	-0.00400	Oversupply
2/9/2023 15:41	0:02	SSA3	0.05162	-0.00300	Oversupply
2/9/2023 15:43	0:02	SSA3	0.04671	0.07800	Oversupply
2/9/2023 15:45	0:02	BS250	Data not available	Data not available	Oversupply
2/9/2023 15:45	0:02	SSA3	0.01912	0.74400	Oversupply
2/9/2023 15:47	0:02	SSA3	0.01880	0.30700	Oversupply
2/9/2023 15:49	0:02	SSA3	0.01896	0.53300	Oversupply
2/9/2023 15:51	0:02	SSA3	0.01880	1.20800	Oversupply
2/9/2023 15:53	0:02	SSA3	0.01912	1.09800	Oversupply
2/9/2023 16:19	0:02	SSA3	-0.00072	1.32900	Oversupply
2/9/2023 16:20	0:04	17-2	0.01267	0.44100	Oversupply
2/9/2023 17:15	0:01	17-2	0.00109	0.11600	Oversupply
2/9/2023 17:25	0:03	17-2	0.00335	0.11100	Oversupply
2/9/2023 17:26	0:02	SSA3	0.00237	0.32000	Oversupply
2/10/2023 5:46	0:47	AWE	2.37630	21.00000	Oversupply
2/10/2023 6:17	0:34	KWP	0.589761238	1.2474442	Oversupply
2/10/2023 6:36	0:11	AWE	0.14538	20.70000	Oversupply
2/10/2023 6:47	0:04	BS250	Data not available	Data not available	Oversupply
2/10/2023 10:05	0:01	17-2	0.00225	0.13500	Oversupply
2/10/2023 10:08	0:01	17-2	0.00795	0.67200	Oversupply
2/10/2023 10:09	0:02	SSA3	0.02548	2.12500	Oversupply
2/10/2023 10:10	0:13	17-2	0.06070	0.73100	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
2/10/2023 10:11	0:11	BS250	Data not available	Data not available	Oversupply
2/10/2023 10:11	0:11	AWE	0.35903	16.30000	Oversupply
2/10/2023 10:11	0:10	SSA3	0.19650	0.02000	Oversupply
2/10/2023 10:21	0:02	SSA3	0.04739	-0.00200	Oversupply
2/10/2023 10:57	0:20	17-2	0.11000	0.61000	Oversupply
2/10/2023 10:57	0:02	SSA3	0.00846	1.09600	Oversupply
2/10/2023 10:59	0:02	SSA3	0.05749	1.87100	Oversupply
2/10/2023 11:01	0:02	SSA3	0.07017	0.40800	Oversupply
2/10/2023 11:03	0:02	SSA3	0.07017	1.16700	Oversupply
2/10/2023 11:05	0:02	SSA3	0.07017	1.35500	Oversupply
2/10/2023 11:07	0:02	SSA3	0.07075	1.21700	Oversupply
2/10/2023 11:09	0:02	SSA3	0.07075	0.87200	Oversupply
2/10/2023 11:11	0:01	BS250	Data not available	Data not available	Oversupply
2/10/2023 11:11	0:01	AWE	0.01070	20.40000	Oversupply
2/10/2023 11:11	0:02	SSA3	0.07017	-0.00500	Oversupply
2/10/2023 11:13	0:02	SSA3	0.07409	-0.00300	Oversupply
2/10/2023 11:20	0:02	SSA3	0.07739	2.52800	Oversupply
2/10/2023 11:21	0:27	17-2	0.14073	0.75000	Oversupply
2/10/2023 11:22	0:07	BS250	Data not available	Data not available	Oversupply
2/10/2023 11:22	0:07	AWE	0.22558	20.50000	Oversupply
2/10/2023 11:22	0:08	SSA3	0.30817	0.46800	Oversupply
2/10/2023 11:30	0:02	SSA3	0.05907	0.55300	Oversupply
2/10/2023 11:34	0:04	BS250	Data not available	Data not available	Oversupply
2/10/2023 11:34	0:04	AWE	0.12383	20.70000	Oversupply
2/10/2023 11:34	0:04	SSA3	0.11813	0.24800	Oversupply
2/10/2023 11:38	0:02	SSA3	0.05956	-0.00300	Oversupply
2/10/2023 11:40	0:02	SSA3	0.05858	-0.00300	Oversupply
2/10/2023 11:41	0:01	BS250	Data not available	Data not available	Oversupply
2/10/2023 11:41	0:01	AWE	0.00522	20.10000	Oversupply
2/10/2023 11:42	0:04	SSA3	0.10093	0.11700	Oversupply
2/10/2023 11:43	0:03	BS250	Data not available	Data not available	Oversupply
2/10/2023 11:43	0:03	AWE	0.08928	20.60000	Oversupply
2/10/2023 11:46	0:02	SSA3	0.05253	-0.00400	Oversupply
2/10/2023 11:56	0:05	17-2	0.01514	0.28400	Oversupply
2/10/2023 11:56	0:02	SSA3	0.05167	1.87300	Oversupply
2/10/2023 11:58	0:02	SSA3	0.04297	0.39300	Oversupply
2/10/2023 12:00	0:02	SSA3	0.01580	2.66600	Oversupply
2/10/2023 12:13	3:31	17-2	1.48181	0.75000	Oversupply
2/10/2023 12:14	0:02	SSA3	0.08193	1.34800	Oversupply
2/10/2023 12:16	0:03	BS250	Data not available	Data not available	Oversupply
2/10/2023 12:16	0:03	AWE	0.06826	14.30000	Oversupply
2/10/2023 12:16	3:16	SSA3	8.40167	-0.00700	Oversupply
2/10/2023 12:21	3:10	BS250	Data not available	Data not available	Oversupply
2/10/2023 12:21	1:39	AWE	15.35902	20.90000	Oversupply
2/10/2023 12:47	2:54	KWP11	31.87150642	17.854418	Oversupply
2/10/2023 14:02	0:51	AWE	5.07359	20.50000	Oversupply
2/10/2023 15:33	0:02	SSA3	0.05404	0.16500	Oversupply
2/10/2023 15:35	0:02	SSA3	0.05404	0.66600	Oversupply
2/10/2023 15:37	0:02	SSA3	0.05404	0.90400	Oversupply
2/10/2023 15:39	0:03	BS250	Data not available	Data not available	Oversupply
2/10/2023 15:39	0:04	SSA3	0.10763	-0.00100	Oversupply
2/10/2023 15:45	0:02	SSA3	0.05555	0.16900	Oversupply
2/10/2023 15:47	0:15	17-2	0.07215	0.73800	Oversupply
2/10/2023 15:47	0:02	SSA3	0.05555	1.09300	Oversupply
2/10/2023 15:48	0:12	BS250	Data not available	Data not available	Oversupply
2/10/2023 15:48	0:12	KWP11	0.601255817	16.342516	Oversupply
2/10/2023 15:49	0:10	SSA3	0.27727	0.01300	Oversupply
2/10/2023 15:59	0:02	SSA3	0.02356	-0.00300	Oversupply
2/10/2023 18:45	0:03	KWP11	0.237278063	5.7472243	Oversupply
2/10/2023 19:32	0:14	KWP11	0.71413636	13.338671	Oversupply
2/10/2023 22:58	0:37	KWP11	1.559347905	13.360625	Oversupply
2/10/2023 23:36	7:29	KWP11	68.24214774	11.851717	Oversupply
2/11/2023 1:00	3:22	AWE	12.43019	21.00000	Oversupply
2/11/2023 4:23	0:01	AWE	0.00504	20.90000	Oversupply
2/11/2023 4:25	0:02	AWE	0.00911	20.70000	Oversupply
2/11/2023 4:29	0:02	AWE	0.00478	20.50000	Oversupply
2/11/2023 4:32	0:04	AWE	0.02298	20.90000	Oversupply
2/11/2023 4:37	0:01	AWE	0.00013	20.70000	Oversupply
2/11/2023 4:39	0:01	AWE	0.00592	20.90000	Oversupply
2/11/2023 6:11	0:03	AWE	0.03204	20.00000	Oversupply
2/11/2023 6:31	0:01	AWE	0.00548	20.60000	Oversupply
2/11/2023 6:47	0:18	BS250	Data not available	Data not available	Oversupply
2/11/2023 7:12	0:16	BS250	Data not available	Data not available	Oversupply
2/11/2023 7:12	0:16	KWP11	0.408820995	11.8597	Oversupply
2/11/2023 7:12	0:16	SSA3	0.01061	0.02700	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/11/2023 7:42	9:02	BS250	Data not available	Data not available	Oversupply
2/11/2023 7:42	9:02	KWPHI	143.9794152	19.436176	Oversupply
2/11/2023 7:43	9:02	SSA3	18.81905	0.00200	Oversupply
2/11/2023 7:43	9:02	17-2	3.77017	0.75000	Oversupply
2/11/2023 8:53	0:03	AWE	0.03616	20.70000	Oversupply
2/11/2023 9:00	0:01	AWE	0.00526	20.00000	Oversupply
2/11/2023 9:11	6:56	AWE	116.33864	20.80000	Oversupply
2/11/2023 10:29	0:05	5A	Data not available	Data not available	Oversupply
2/11/2023 10:29	0:05	MS	Data not available	Data not available	Oversupply
2/11/2023 10:36	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 10:36	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 10:37	0:01	KWP	0.005333333	22.32	Oversupply
2/11/2023 10:41	0:07	5A	Data not available	Data not available	Oversupply
2/11/2023 10:41	0:07	MS	Data not available	Data not available	Oversupply
2/11/2023 10:49	0:05	5A	Data not available	Data not available	Oversupply
2/11/2023 10:49	0:05	MS	Data not available	Data not available	Oversupply
2/11/2023 10:52	0:01	KWP	0.005333317	15.76	Oversupply
2/11/2023 10:55	0:02	5A	Data not available	Data not available	Oversupply
2/11/2023 10:55	0:02	MS	Data not available	Data not available	Oversupply
2/11/2023 10:58	0:07	5A	Data not available	Data not available	Oversupply
2/11/2023 10:58	0:07	MS	Data not available	Data not available	Oversupply
2/11/2023 11:00	0:01	KWP	0.005333333	15.12	Oversupply
2/11/2023 11:06	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 11:06	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 11:06	0:01	KWP	0.002666667	12.88	Oversupply
2/11/2023 11:10	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 11:10	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 11:14	0:05	5A	Data not available	Data not available	Oversupply
2/11/2023 11:14	0:05	MS	Data not available	Data not available	Oversupply
2/11/2023 11:15	0:01	KWP	0.002666667	13.68	Oversupply
2/11/2023 11:17	0:01	KWP	0.002666667	10.64	Oversupply
2/11/2023 11:21	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 11:21	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 11:22	0:01	KWP	0.005333343	9.3600006	Oversupply
2/11/2023 11:26	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 11:26	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 11:28	0:01	KWP	0.005333343	9.3600006	Oversupply
2/11/2023 11:31	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 11:31	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 11:33	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 11:33	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 11:35	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 11:35	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 11:40	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 11:40	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 11:42	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 11:42	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 11:44	0:02	5A	Data not available	Data not available	Oversupply
2/11/2023 11:44	0:02	MS	Data not available	Data not available	Oversupply
2/11/2023 11:45	0:01	KWP	0.002666665	6.3200002	Oversupply
2/11/2023 11:47	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 11:47	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 11:52	0:02	5A	Data not available	Data not available	Oversupply
2/11/2023 11:52	0:02	MS	Data not available	Data not available	Oversupply
2/11/2023 11:52	0:01	KWP	0.002442177	6.48	Oversupply
2/11/2023 11:55	0:06	5A	Data not available	Data not available	Oversupply
2/11/2023 11:55	0:06	MS	Data not available	Data not available	Oversupply
2/11/2023 12:00	0:01	KWP	0.000296192	3.4400001	Oversupply
2/11/2023 12:05	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 12:05	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 12:10	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 12:10	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 12:14	0:13	5A	Data not available	Data not available	Oversupply
2/11/2023 12:14	0:13	MS	Data not available	Data not available	Oversupply
2/11/2023 12:22	0:03	KWP	0.008	6	Oversupply
2/11/2023 12:26	0:01	KWP	0.005333332	3.76	Oversupply
2/11/2023 12:28	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 12:28	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 12:29	0:01	KWP	0.002666668	3.9200001	Oversupply
2/11/2023 12:32	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 12:32	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 12:37	0:02	5A	Data not available	Data not available	Oversupply
2/11/2023 12:37	0:02	MS	Data not available	Data not available	Oversupply
2/11/2023 12:40	0:05	5A	Data not available	Data not available	Oversupply
2/11/2023 12:40	0:05	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/11/2023 12:42	0:01	KWP	0.002666667	1.52	Oversupply
2/11/2023 12:46	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 12:46	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 12:48	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 12:48	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 12:50	0:01	KWP	0.002666667	0.24000001	Oversupply
2/11/2023 12:53	0:21	5A	Data not available	Data not available	Oversupply
2/11/2023 12:53	0:21	MS	Data not available	Data not available	Oversupply
2/11/2023 12:53	0:05	KWP	0.009333333	0.24000001	Oversupply
2/11/2023 13:00	0:03	KWP	0.004	0.079999998	Oversupply
2/11/2023 13:04	0:03	KWP	0.008109189	0.56	Oversupply
2/11/2023 13:09	0:01	KWP	0.001333333	0.079999998	Oversupply
2/11/2023 13:11	0:01	KWP	0.001333333	0.079999998	Oversupply
2/11/2023 13:17	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 13:17	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 13:20	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 13:20	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 13:27	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 13:27	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 13:29	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 13:29	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 13:35	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 13:35	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 13:37	0:12	5A	Data not available	Data not available	Oversupply
2/11/2023 13:37	0:12	MS	Data not available	Data not available	Oversupply
2/11/2023 13:44	0:02	KWP	0.005333337	8.2399998	Oversupply
2/11/2023 13:50	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 13:50	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 13:54	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 13:54	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 13:58	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 13:58	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 14:03	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 14:03	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 14:05	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 14:05	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 14:06	0:01	KWP	0.002666663	8.5600004	Oversupply
2/11/2023 14:10	0:02	5A	Data not available	Data not available	Oversupply
2/11/2023 14:10	0:02	MS	Data not available	Data not available	Oversupply
2/11/2023 14:22	0:03	5A	Data not available	Data not available	Oversupply
2/11/2023 14:22	0:03	MS	Data not available	Data not available	Oversupply
2/11/2023 14:43	0:01	5A	Data not available	Data not available	Oversupply
2/11/2023 14:43	0:01	MS	Data not available	Data not available	Oversupply
2/11/2023 14:43	0:01	KWP	0.000231417	22.800001	Oversupply
2/11/2023 14:46	0:04	5A	Data not available	Data not available	Oversupply
2/11/2023 14:46	0:04	MS	Data not available	Data not available	Oversupply
2/11/2023 22:46	8:25	KWP	134.9480313	19.604832	Oversupply
2/12/2023 0:42	0:02	AWE	0.00526	18.40000	Oversupply
2/12/2023 0:45	0:01	AWE	0.00257	17.90000	Oversupply
2/12/2023 0:48	0:01	AWE	0.00466	17.50000	Oversupply
2/12/2023 0:52	0:56	AWE	3.21605	20.60000	Oversupply
2/12/2023 1:49	2:24	AWE	14.18443	20.80000	Oversupply
2/12/2023 4:15	0:01	AWE	0.00185	13.60000	Oversupply
2/12/2023 4:29	0:04	AWE	0.05882	16.10000	Oversupply
2/12/2023 4:35	0:15	AWE	0.51332	18.80000	Oversupply
2/12/2023 4:51	0:02	AWE	0.00632	16.60000	Oversupply
2/12/2023 4:55	0:03	AWE	0.01392	16.70000	Oversupply
2/12/2023 4:59	0:01	AWE	0.00470	16.70000	Oversupply
2/12/2023 5:04	0:02	AWE	0.00823	18.70000	Oversupply
2/12/2023 5:18	0:01	AWE	0.00672	19.70000	Oversupply
2/12/2023 5:21	0:02	AWE	0.00197	19.20000	Oversupply
2/12/2023 5:24	0:18	AWE	0.19793	20.70000	Oversupply
2/12/2023 5:43	0:01	AWE	0.00275	20.80000	Oversupply
2/12/2023 5:45	0:02	AWE	0.00625	20.80000	Oversupply
2/12/2023 6:47	0:24	BS250	Data not available	Data not available	Oversupply
2/12/2023 8:27	6:18	SSA3	11.05272	0.29500	Oversupply
2/12/2023 8:28	6:19	17-2	2.13083	0.75000	Oversupply
2/12/2023 8:33	0:01	BS250	Data not available	Data not available	Oversupply
2/12/2023 8:33	0:01	KWP	0.00026675	18.061993	Oversupply
2/12/2023 8:36	6:10	BS250	Data not available	Data not available	Oversupply
2/12/2023 8:36	6:10	KWP	103.0051378	19.596848	Oversupply
2/12/2023 9:36	0:12	AWE	0.34982	20.80000	Oversupply
2/12/2023 10:29	0:54	AWE	6.16392	21.00000	Oversupply
2/12/2023 11:24	0:02	AWE	0.01979	20.80000	Oversupply
2/12/2023 11:40	3:49	AWE	47.91221	21.00000	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/12/2023 12:31	0:07	5A	Data not available	Data not available	Oversupply
2/12/2023 12:31	0:07	MS	Data not available	Data not available	Oversupply
2/12/2023 12:34	0:01	KWP	0.002666667	18.960001	Oversupply
2/12/2023 12:42	0:01	5A	Data not available	Data not available	Oversupply
2/12/2023 12:42	0:01	MS	Data not available	Data not available	Oversupply
2/12/2023 12:42	0:01	KWP	0.002666667	19.76	Oversupply
2/12/2023 12:56	0:01	5A	Data not available	Data not available	Oversupply
2/12/2023 12:56	0:01	MS	Data not available	Data not available	Oversupply
2/12/2023 12:58	0:03	5A	Data not available	Data not available	Oversupply
2/12/2023 12:58	0:03	MS	Data not available	Data not available	Oversupply
2/12/2023 12:58	0:01	KWP	0.002666667	21.040001	Oversupply
2/12/2023 13:31	0:08	5A	Data not available	Data not available	Oversupply
2/12/2023 13:31	0:08	MS	Data not available	Data not available	Oversupply
2/12/2023 13:34	0:01	KWP	0.002666667	16.880001	Oversupply
2/12/2023 13:40	0:05	5A	Data not available	Data not available	Oversupply
2/12/2023 13:40	0:05	MS	Data not available	Data not available	Oversupply
2/12/2023 13:50	0:01	5A	Data not available	Data not available	Oversupply
2/12/2023 13:50	0:01	MS	Data not available	Data not available	Oversupply
2/12/2023 13:53	0:01	5A	Data not available	Data not available	Oversupply
2/12/2023 13:53	0:01	MS	Data not available	Data not available	Oversupply
2/12/2023 14:48	2:35	KWP	29.10494889	19.594852	Oversupply
2/12/2023 14:48	2:36	SSA3	3.17349	0.12600	Oversupply
2/12/2023 14:49	2:37	17-2	0.76830	0.75000	Oversupply
2/12/2023 15:18	2:05	BS250	Data not available	Data not available	Oversupply
2/12/2023 17:23	0:02	SSA3	0.00903	0.09000	Oversupply
2/12/2023 21:22	0:10	KWP	0.578989267	19.599842	Oversupply
2/12/2023 21:35	0:01	KWP	0.000716433	19.59585	Oversupply
2/12/2023 21:37	0:01	KWP	0.001230567	19.602837	Oversupply
2/12/2023 22:00	0:05	KWP	0.172868517	19.60084	Oversupply
2/12/2023 22:14	0:05	KWP	0.060722883	19.598845	Oversupply
2/12/2023 22:21	0:01	KWP	0.0011782	19.594852	Oversupply
2/12/2023 22:32	7:39	KWP	115.8597066	19.599842	Oversupply
2/13/2023 0:13	0:02	AWE	0.01520	21.00000	Oversupply
2/13/2023 0:17	0:04	AWE	0.03764	20.70000	Oversupply
2/13/2023 0:23	0:02	AWE	0.01291	21.00000	Oversupply
2/13/2023 0:26	0:01	AWE	0.00490	20.10000	Oversupply
2/13/2023 0:37	0:04	AWE	0.04204	21.00000	Oversupply
2/13/2023 0:45	0:04	AWE	0.04997	21.00000	Oversupply
2/13/2023 0:51	1:02	AWE	2.87592	21.00000	Oversupply
2/13/2023 2:37	0:04	AWE	0.07194	14.10000	Oversupply
2/13/2023 2:42	1:32	AWE	7.29844	20.60000	Oversupply
2/13/2023 4:16	0:03	AWE	0.01591	17.40000	Oversupply
2/13/2023 4:25	0:13	AWE	0.24952	19.80000	Oversupply
2/13/2023 4:40	0:22	AWE	0.73468	21.00000	Oversupply
2/13/2023 5:04	0:01	AWE	0.01416	21.00000	Oversupply
2/13/2023 5:06	0:01	AWE	0.00357	21.00000	Oversupply
2/13/2023 6:45	0:01	KWP	0.001813	19.586868	Oversupply
2/13/2023 7:38	0:01	BS250	Data not available	Data not available	Oversupply
2/13/2023 7:38	0:01	KWP	0.00787605	19.56192	Oversupply
2/13/2023 7:39	0:04	17-2	0.00192	0.03800	Oversupply
2/13/2023 7:41	0:02	SSA3	0.00229	0.00800	Oversupply
2/13/2023 7:43	0:02	SSA3	0.00258	0.24900	Oversupply
2/13/2023 7:44	0:01	17-2	0.00063	0.03800	Oversupply
2/13/2023 7:45	0:02	SSA3	0.01560	0.27600	Oversupply
2/13/2023 7:46	7:51	BS250	Data not available	Data not available	Oversupply
2/13/2023 7:46	7:51	KWP	120.5990277	19.591858	Oversupply
2/13/2023 7:46	8:05	17-2	3.29303	0.75000	Oversupply
2/13/2023 7:47	7:51	SSA3	15.40988	0.00100	Oversupply
2/13/2023 9:44	4:43	AWE	51.79547	21.00000	Oversupply
2/13/2023 11:05	0:04	5A	Data not available	Data not available	Oversupply
2/13/2023 11:05	0:04	MS	Data not available	Data not available	Oversupply
2/13/2023 11:06	0:01	KWP	0.0026667	18.800001	Oversupply
2/13/2023 11:10	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 11:10	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 11:26	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 11:26	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 11:33	0:02	5A	Data not available	Data not available	Oversupply
2/13/2023 11:33	0:02	MS	Data not available	Data not available	Oversupply
2/13/2023 11:36	0:04	5A	Data not available	Data not available	Oversupply
2/13/2023 11:36	0:04	MS	Data not available	Data not available	Oversupply
2/13/2023 11:42	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 11:42	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 12:02	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 12:02	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 12:05	0:01	5A	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/13/2023 12:05	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 12:13	0:02	5A	Data not available	Data not available	Oversupply
2/13/2023 12:13	0:02	MS	Data not available	Data not available	Oversupply
2/13/2023 12:18	0:03	5A	Data not available	Data not available	Oversupply
2/13/2023 12:18	0:03	MS	Data not available	Data not available	Oversupply
2/13/2023 12:19	0:01	KWP	0.002666667	22	Oversupply
2/13/2023 12:44	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 12:44	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 12:50	0:09	5A	Data not available	Data not available	Oversupply
2/13/2023 12:50	0:09	MS	Data not available	Data not available	Oversupply
2/13/2023 12:58	0:01	KWP	0.002666667	10.8	Oversupply
2/13/2023 13:00	0:02	5A	Data not available	Data not available	Oversupply
2/13/2023 13:00	0:02	MS	Data not available	Data not available	Oversupply
2/13/2023 13:04	0:02	5A	Data not available	Data not available	Oversupply
2/13/2023 13:04	0:02	MS	Data not available	Data not available	Oversupply
2/13/2023 13:12	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 13:12	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 13:15	0:03	5A	Data not available	Data not available	Oversupply
2/13/2023 13:15	0:03	MS	Data not available	Data not available	Oversupply
2/13/2023 13:57	0:01	5A	Data not available	Data not available	Oversupply
2/13/2023 13:57	0:01	MS	Data not available	Data not available	Oversupply
2/13/2023 14:29	0:26	AWE	2.10599	19.60000	Oversupply
2/13/2023 15:37	0:06	SSA3	0.17860	0.06700	Oversupply
2/13/2023 15:39	0:01	BS250	Data not available	Data not available	Oversupply
2/13/2023 15:39	0:01	KWP11	0.001709917	19.53797	Oversupply
2/13/2023 15:41	0:02	BS250	Data not available	Data not available	Oversupply
2/13/2023 15:41	0:02	KWP11	0.010462317	19.587866	Oversupply
2/13/2023 15:44	0:02	SSA3	0.03061	0.30900	Oversupply
2/13/2023 15:46	0:02	SSA3	0.00246	0.92700	Oversupply
2/13/2023 15:48	0:02	SSA3	0.00252	1.61800	Oversupply
2/13/2023 16:05	0:07	17-2	0.06028	0.74500	Oversupply
2/13/2023 16:06	0:02	SSA3	0.01035	0.80100	Oversupply
2/13/2023 16:08	0:02	SSA3	0.01026	0.61400	Oversupply
2/13/2023 16:10	0:02	SSA3	0.01018	1.56200	Oversupply
2/13/2023 16:16	0:02	SSA3	0.01151	1.40600	Oversupply
2/13/2023 16:17	0:11	17-2	0.02564	0.22300	Oversupply
2/13/2023 16:18	0:02	SSA3	0.01151	0.68400	Oversupply
2/13/2023 16:20	0:02	SSA3	0.01151	0.89500	Oversupply
2/13/2023 16:24	0:02	SSA3	0.01160	0.71300	Oversupply
2/13/2023 16:26	0:02	SSA3	0.01160	1.60600	Oversupply
2/13/2023 16:30	0:01	17-2	0.00246	0.28700	Oversupply
2/13/2023 16:40	0:02	17-2	0.00242	0.07900	Oversupply
2/13/2023 16:44	0:02	SSA3	-0.01215	1.26100	Oversupply
2/13/2023 16:45	0:01	17-2	0.00150	0.09000	Oversupply
2/13/2023 17:14	0:06	17-2	0.01332	0.30600	Oversupply
2/13/2023 17:15	0:02	SSA3	0.01198	0.49100	Oversupply
2/13/2023 17:17	0:01	BS250	Data not available	Data not available	Oversupply
2/13/2023 17:17	0:01	KWP11	0.008463133	19.587866	Oversupply
2/13/2023 17:17	0:02	SSA3	0.01198	0.12600	Oversupply
2/13/2023 17:19	0:02	SSA3	0.01218	0.23500	Oversupply
2/13/2023 17:27	0:06	17-2	0.02527	0.31400	Oversupply
2/13/2023 17:27	0:02	SSA3	0.01218	0.59800	Oversupply
2/13/2023 17:29	0:02	BS250	Data not available	Data not available	Oversupply
2/13/2023 17:29	0:02	KWP11	0.017860867	19.579884	Oversupply
2/13/2023 17:29	0:02	SSA3	0.01294	0.06200	Oversupply
2/13/2023 17:31	0:02	SSA3	0.00703	0.08100	Oversupply
2/13/2023 19:02	0:01	AWE	0.00167	0.10000	Oversupply
2/13/2023 23:33	0:02	KWP11	0.005675917	19.593855	Oversupply
2/13/2023 23:36	6:28	KWP11	39.68490895	19.597845	Oversupply
2/14/2023 9:21	1:17	17-2	0.24112	0.75000	Oversupply
2/14/2023 9:22	0:36	SSA3	0.92866	0.24200	Oversupply
2/14/2023 9:23	0:35	BS250	Data not available	Data not available	Oversupply
2/14/2023 9:23	0:35	KWP11	2.460817517	19.59086	Oversupply
2/14/2023 9:58	0:02	SSA3	0.05713	0.68700	Oversupply
2/14/2023 10:02	0:02	SSA3	0.05568	1.79000	Oversupply
2/14/2023 10:04	0:02	SSA3	0.06032	0.97800	Oversupply
2/14/2023 10:07	0:29	BS250	Data not available	Data not available	Oversupply
2/14/2023 10:07	0:29	KWP11	2.842524433	19.592855	Oversupply
2/14/2023 10:07	0:30	SSA3	0.92980	0.29000	Oversupply
2/14/2023 10:39	0:01	17-2	0.00635	0.38100	Oversupply
2/14/2023 10:41	0:04	17-2	0.01750	0.44800	Oversupply
2/14/2023 10:41	0:02	SSA3	0.03968	2.01600	Oversupply
2/14/2023 10:43	0:02	SSA3	0.04506	2.50900	Oversupply
2/14/2023 10:45	0:01	AWE	0.00167	0.10000	Oversupply
2/14/2023 10:47	0:01	17-2	0.00188	0.11300	Oversupply



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February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/14/2023 10:49	0:36	17-2	0.19030	0.75000	Oversupply
2/14/2023 10:49	0:02	SSA3	0.06007	1.32500	Oversupply
2/14/2023 10:51	0:02	SSA3	0.06057	0.69200	Oversupply
2/14/2023 10:52	0:32	BS250	Data not available	Data not available	Oversupply
2/14/2023 10:52	0:31	KWPPII	5.045820995	19.517012	Oversupply
2/14/2023 10:53	0:30	SSA3	1.04775	-0.00200	Oversupply
2/14/2023 11:23	0:02	SSA3	0.06728	0.20700	Oversupply
2/14/2023 11:29	0:02	SSA3	0.01271	1.99900	Oversupply
2/14/2023 11:31	0:04	17-2	0.00838	0.15700	Oversupply
2/14/2023 11:32	0:02	SSA3	0.02252	1.97900	Oversupply
2/14/2023 11:43	3:54	17-2	1.43994	0.75000	Oversupply
2/14/2023 11:44	3:47	BS250	Data not available	Data not available	Oversupply
2/14/2023 11:44	3:47	KWPPII	59.42902294	19.585871	Oversupply
2/14/2023 11:44	3:48	SSA3	8.85833	0.02100	Oversupply
2/14/2023 12:04	0:01	AWE	0.00384	1.90000	Oversupply
2/14/2023 12:06	0:03	AWE	0.04357	1.60000	Oversupply
2/14/2023 12:07	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 12:07	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 12:32	0:03	5A	Data not available	Data not available	Oversupply
2/14/2023 12:32	0:03	MS	Data not available	Data not available	Oversupply
2/14/2023 12:36	0:07	5A	Data not available	Data not available	Oversupply
2/14/2023 12:36	0:07	MS	Data not available	Data not available	Oversupply
2/14/2023 12:36	0:01	AWE	0.00167	0.10000	Oversupply
2/14/2023 12:38	0:10	AWE	0.01974	0.30000	Oversupply
2/14/2023 12:46	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 12:46	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 12:49	0:05	5A	Data not available	Data not available	Oversupply
2/14/2023 12:49	0:05	MS	Data not available	Data not available	Oversupply
2/14/2023 12:49	0:03	AWE	0.00656	0.20000	Oversupply
2/14/2023 12:55	0:03	5A	Data not available	Data not available	Oversupply
2/14/2023 12:55	0:03	MS	Data not available	Data not available	Oversupply
2/14/2023 12:59	0:06	5A	Data not available	Data not available	Oversupply
2/14/2023 12:59	0:06	MS	Data not available	Data not available	Oversupply
2/14/2023 13:06	0:07	5A	Data not available	Data not available	Oversupply
2/14/2023 13:06	0:07	MS	Data not available	Data not available	Oversupply
2/14/2023 13:07	0:02	KWP	0.005333333	16.4	Oversupply
2/14/2023 13:08	0:01	AWE	0.00032	0.10000	Oversupply
2/14/2023 13:11	0:01	KWP	0.002666667	11.12	Oversupply
2/14/2023 13:14	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 13:14	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 13:17	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 13:17	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 13:17	0:01	KWP	0.005333335	11.440001	Oversupply
2/14/2023 13:19	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 13:19	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 13:20	0:01	KWP	0.002666683	10.320001	Oversupply
2/14/2023 13:22	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 13:22	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 13:22	0:02	KWP	0.005333333	10.64	Oversupply
2/14/2023 13:23	0:01	AWE	0.00032	0.10000	Oversupply
2/14/2023 13:29	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 13:29	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 13:29	0:02	AWE	0.01745	0.70000	Oversupply
2/14/2023 13:32	0:03	5A	Data not available	Data not available	Oversupply
2/14/2023 13:32	0:03	MS	Data not available	Data not available	Oversupply
2/14/2023 13:32	0:01	KWP	0.002666683	15.280001	Oversupply
2/14/2023 13:32	0:14	AWE	0.08191	0.70000	Oversupply
2/14/2023 13:36	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 13:36	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 13:38	0:08	5A	Data not available	Data not available	Oversupply
2/14/2023 13:38	0:08	MS	Data not available	Data not available	Oversupply
2/14/2023 13:42	0:01	KWP	0.013333333	12.88	Oversupply
2/14/2023 13:44	0:01	KWP	0.002666665	9.8400002	Oversupply
2/14/2023 13:47	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 13:47	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 13:47	0:01	KWP	0.002666663	7.5999999	Oversupply
2/14/2023 13:47	0:02	AWE	0.00187	0.10000	Oversupply
2/14/2023 13:55	0:07	AWE	0.04690	0.90000	Oversupply
2/14/2023 13:56	0:07	5A	Data not available	Data not available	Oversupply
2/14/2023 13:56	0:07	MS	Data not available	Data not available	Oversupply
2/14/2023 13:57	0:01	KWP	0.005333333	14.8	Oversupply
2/14/2023 14:00	0:01	KWP	0.002666667	10.16	Oversupply
2/14/2023 14:03	0:02	AWE	0.00500	0.30000	Oversupply
2/14/2023 14:04	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 14:04	0:01	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/14/2023 14:06	0:06	5A	Data not available	Data not available	Oversupply
2/14/2023 14:06	0:06	MS	Data not available	Data not available	Oversupply
2/14/2023 14:06	0:06	AWE	0.04424	0.60000	Oversupply
2/14/2023 14:18	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 14:18	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 14:18	0:02	AWE	0.00333	0.10000	Oversupply
2/14/2023 14:22	0:02	AWE	0.00185	0.30000	Oversupply
2/14/2023 14:23	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 14:23	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 14:31	0:03	5A	Data not available	Data not available	Oversupply
2/14/2023 14:31	0:03	MS	Data not available	Data not available	Oversupply
2/14/2023 14:31	0:04	AWE	0.01500	0.30000	Oversupply
2/14/2023 14:36	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 14:36	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 14:36	0:03	AWE	0.02255	0.90000	Oversupply
2/14/2023 14:40	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 14:40	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 14:40	0:05	AWE	0.04437	0.90000	Oversupply
2/14/2023 14:46	0:01	AWE	0.00550	1.40000	Oversupply
2/14/2023 14:48	0:09	AWE	0.09129	2.10000	Oversupply
2/14/2023 14:51	0:01	5A	Data not available	Data not available	Oversupply
2/14/2023 14:51	0:01	MS	Data not available	Data not available	Oversupply
2/14/2023 14:53	0:02	5A	Data not available	Data not available	Oversupply
2/14/2023 14:53	0:02	MS	Data not available	Data not available	Oversupply
2/14/2023 15:32	0:01	AWE	0.00167	0.10000	Oversupply
2/14/2023 15:34	0:02	SSA3	0.01305	2.04500	Oversupply
2/14/2023 16:11	0:01	17-2	0.00095	0.68900	Oversupply
2/14/2023 16:13	0:02	SSA3	0.00728	1.13700	Oversupply
2/14/2023 16:14	0:13	17-2	0.07427	0.65000	Oversupply
2/14/2023 16:15	0:01	BS250	Data not available	Data not available	Oversupply
2/14/2023 16:15	0:01	KWP11	0.020896217	19.173716	Oversupply
2/14/2023 16:15	0:02	SSA3	0.03979	0.08300	Oversupply
2/14/2023 16:17	0:07	BS250	Data not available	Data not available	Oversupply
2/14/2023 16:17	0:07	KWP11	0.1612521	19.256546	Oversupply
2/14/2023 16:17	0:06	SSA3	0.12069	0.02700	Oversupply
2/14/2023 16:23	0:02	SSA3	0.04012	0.05900	Oversupply
2/15/2023 2:21	0:01	KWP11	0.000149693	0.008981598	Oversupply
2/15/2023 10:54	0:02	SSA3	0.00504	2.50600	Oversupply
2/15/2023 10:55	0:18	17-2	0.19214	0.75000	Oversupply
2/15/2023 10:56	0:02	SSA3	0.00504	2.49400	Oversupply
2/15/2023 11:00	0:02	SSA3	0.00621	2.54900	Oversupply
2/15/2023 11:02	0:02	SSA3	0.00615	2.56300	Oversupply
2/15/2023 11:04	0:02	SSA3	0.00621	2.57700	Oversupply
2/15/2023 11:08	0:02	SSA3	0.00615	2.48800	Oversupply
2/15/2023 11:23	0:02	17-2	0.00674	0.75000	Oversupply
2/15/2023 11:27	0:01	17-2	0.00261	0.75000	Oversupply
2/15/2023 11:29	0:01	17-2	0.00474	0.75000	Oversupply
2/15/2023 11:31	1:19	17-2	0.97847	0.75000	Oversupply
2/15/2023 11:32	0:02	SSA3	0.02790	2.70200	Oversupply
2/15/2023 11:34	0:02	SSA3	0.02836	2.64900	Oversupply
2/15/2023 11:36	0:02	SSA3	0.02813	2.42500	Oversupply
2/15/2023 11:38	0:02	SSA3	0.02790	2.23800	Oversupply
2/15/2023 11:40	0:02	SSA3	0.02790	2.01000	Oversupply
2/15/2023 11:42	0:02	SSA3	0.02813	1.36100	Oversupply
2/15/2023 11:44	0:02	SSA3	0.08044	1.08600	Oversupply
2/15/2023 11:46	0:02	SSA3	0.08633	1.07600	Oversupply
2/15/2023 11:48	0:02	SSA3	0.08777	0.20000	Oversupply
2/15/2023 11:50	0:02	SSA3	0.08633	0.23400	Oversupply
2/15/2023 11:52	0:02	SSA3	0.08777	0.10700	Oversupply
2/15/2023 11:54	0:02	SSA3	0.08705	0.50500	Oversupply
2/15/2023 11:56	0:14	SSA3	0.60205	0.06700	Oversupply
2/15/2023 11:57	0:01	BS250	Data not available	Data not available	Oversupply
2/15/2023 11:57	0:01	KWP11	0.00163276	1.2484421	Oversupply
2/15/2023 11:59	0:08	BS250	Data not available	Data not available	Oversupply
2/15/2023 11:59	0:08	KWP11	0.089360334	1.3542253	Oversupply
2/15/2023 12:03	0:03	5A	Data not available	Data not available	Oversupply
2/15/2023 12:03	0:03	MS	Data not available	Data not available	Oversupply
2/15/2023 12:03	0:03	AWE	0.00500	0.10000	Oversupply
2/15/2023 12:08	0:02	BS250	Data not available	Data not available	Oversupply
2/15/2023 12:08	0:02	KWP11	0.014218665	1.428074	Oversupply
2/15/2023 12:10	0:02	SSA3	0.08571	0.80200	Oversupply
2/15/2023 12:13	0:02	SSA3	0.08573	1.10900	Oversupply
2/15/2023 12:15	0:02	SSA3	0.08913	0.44100	Oversupply
2/15/2023 12:16	0:01	BS250	Data not available	Data not available	Oversupply
2/15/2023 12:16	0:01	KWP11	0.003641572	1.3073214	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/15/2023 12:17	0:02	SSA3	0.08767	0.57500	Oversupply
2/15/2023 12:19	0:02	SSA3	0.08913	0.25400	Oversupply
2/15/2023 12:21	0:02	SSA3	0.08913	0.09900	Oversupply
2/15/2023 12:22	0:03	BS250	Data not available	Data not available	Oversupply
2/15/2023 12:22	0:03	KWPPII	0.016900979	0.92111272	Oversupply
2/15/2023 12:23	0:02	SSA3	0.08767	0.02000	Oversupply
2/15/2023 12:25	0:02	SSA3	0.08767	0.11700	Oversupply
2/15/2023 12:26	0:01	BS250	Data not available	Data not available	Oversupply
2/15/2023 12:26	0:01	KWPPII	0.003711372	0.83528858	Oversupply
2/15/2023 12:27	0:02	SSA3	0.08913	0.19100	Oversupply
2/15/2023 12:29	0:02	SSA3	0.08307	0.45600	Oversupply
2/15/2023 12:31	0:02	SSA3	0.08033	0.58900	Oversupply
2/15/2023 12:33	0:02	SSA3	0.08099	0.86700	Oversupply
2/15/2023 12:35	0:02	SSA3	0.07967	0.39300	Oversupply
2/15/2023 12:37	0:02	SSA3	0.08099	0.08100	Oversupply
2/15/2023 12:39	0:02	SSA3	0.08033	1.18300	Oversupply
2/15/2023 12:41	0:02	SSA3	0.08033	0.86200	Oversupply
2/15/2023 12:43	0:02	SSA3	0.07580	0.58400	Oversupply
2/15/2023 12:44	0:01	BS250	Data not available	Data not available	Oversupply
2/15/2023 12:44	0:01	KWPPII	0.008496717	1.1666098	Oversupply
2/15/2023 12:45	0:02	SSA3	0.02585	0.30600	Oversupply
2/15/2023 12:47	0:02	SSA3	0.02628	0.08700	Oversupply
2/15/2023 12:57	0:01	17-2	0.00075	0.75000	Oversupply
2/15/2023 13:15	0:03	17-2	0.02562	0.75000	Oversupply
2/15/2023 13:15	0:02	SSA3	0.07764	1.53400	Oversupply
2/15/2023 13:19	0:17	17-2	0.20843	0.75000	Oversupply
2/15/2023 13:19	0:08	SSA3	0.31185	0.48500	Oversupply
2/15/2023 13:20	0:01	5A	Data not available	Data not available	Oversupply
2/15/2023 13:20	0:10	BS250	Data not available	Data not available	Oversupply
2/15/2023 13:20	0:01	MS	Data not available	Data not available	Oversupply
2/15/2023 13:20	0:10	KWPPII	0.117619389	1.2424543	Oversupply
2/15/2023 13:23	0:03	AWE	0.00239	0.30000	Oversupply
2/15/2023 13:27	0:02	SSA3	0.07828	0.04100	Oversupply
2/15/2023 13:29	0:02	SSA3	0.04831	0.31300	Oversupply
2/15/2023 13:33	0:02	SSA3	0.01473	1.45600	Oversupply
2/15/2023 13:49	0:03	17-2	0.02567	0.75000	Oversupply
2/15/2023 13:49	0:02	SSA3	0.01194	1.13900	Oversupply
2/15/2023 13:53	0:02	17-2	0.02500	0.75000	Oversupply
2/15/2023 13:54	0:02	SSA3	0.01184	2.00300	Oversupply
2/15/2023 14:19	0:07	17-2	0.07584	0.75000	Oversupply
2/15/2023 14:20	0:02	SSA3	0.04739	0.85100	Oversupply
2/15/2023 14:22	0:01	BS250	Data not available	Data not available	Oversupply
2/15/2023 14:22	0:01	KWPPII	0.00308298	1.829252	Oversupply
2/15/2023 14:22	0:02	SSA3	0.04739	0.01700	Oversupply
2/15/2023 14:24	0:02	SSA3	0.04700	0.63900	Oversupply
2/15/2023 14:27	0:07	17-2	0.05947	0.75000	Oversupply
2/15/2023 14:28	0:02	SSA3	0.04233	0.98900	Oversupply
2/15/2023 14:44	0:02	17-2	0.01058	0.58600	Oversupply
2/15/2023 14:44	0:02	SSA3	0.01274	1.77500	Oversupply
2/15/2023 14:48	0:02	17-2	0.02497	0.74900	Oversupply
2/15/2023 14:48	0:02	SSA3	0.00921	1.87200	Oversupply
2/16/2023 9:48	0:02	SSA3	0.02746	1.46500	Oversupply
2/16/2023 9:49	0:10	17-2	0.00073	0.20000	Oversupply
2/16/2023 9:50	0:02	BS250	Data not available	Data not available	Oversupply
2/16/2023 9:50	0:02	AWE	0.01758	19.20000	Oversupply
2/16/2023 9:50	0:02	SSA3	0.02701	0.02900	Oversupply
2/16/2023 9:52	0:02	SSA3	0.02724	-0.00200	Oversupply
2/16/2023 9:54	0:03	BS250	Data not available	Data not available	Oversupply
2/16/2023 9:54	0:03	AWE	0.06609	17.10000	Oversupply
2/16/2023 9:54	0:04	SSA3	0.05492	-0.00200	Oversupply
2/16/2023 10:18	0:02	SSA3	-0.00010	1.19200	Oversupply
2/16/2023 10:19	0:03	17-2	0.00022	0.20000	Oversupply
2/16/2023 10:20	0:02	SSA3	-0.00010	0.70400	Oversupply
2/17/2023 0:57	0:01	KWPPII	0.001387907	3.4778743	Oversupply
2/17/2023 0:59	0:01	KWPPII	0.007115428	4.0157719	Oversupply
2/17/2023 14:47	0:01	KWPPII	0.000316019	0.01896115	Oversupply
2/18/2023 12:43	0:15	17-2	0.13005	0.72500	Oversupply
2/18/2023 12:44	0:02	SSA3	0.01493	2.55400	Oversupply
2/18/2023 12:46	0:02	SSA3	0.03550	2.55600	Oversupply
2/18/2023 12:48	0:02	SSA3	0.03521	1.27400	Oversupply
2/18/2023 12:50	0:02	SSA3	0.03550	0.89200	Oversupply
2/18/2023 12:52	0:02	SSA3	0.03550	0.95200	Oversupply
2/18/2023 12:54	0:02	SSA3	0.03550	1.22300	Oversupply
2/18/2023 12:56	0:02	SSA3	0.03521	2.28700	Oversupply
2/18/2023 13:35	0:15	17-2	0.04881	0.28600	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/18/2023 13:36	0:02	SSA3	0.02747	1.06400	Oversupply
2/18/2023 13:38	0:02	SSA3	0.02747	0.61500	Oversupply
2/18/2023 13:40	0:02	SSA3	0.02770	1.06800	Oversupply
2/18/2023 13:42	0:04	SSA3	0.01868	1.49900	Oversupply
2/18/2023 13:58	0:04	17-2	0.02320	0.67200	Oversupply
2/19/2023 9:35	0:34	17-2	0.33761	0.75000	Oversupply
2/19/2023 9:40	0:02	SSA3	0.00615	1.73700	Oversupply
2/19/2023 9:42	0:02	SSA3	0.00610	1.56600	Oversupply
2/19/2023 9:44	0:02	SSA3	0.01064	0.81800	Oversupply
2/19/2023 9:46	0:02	SSA3	0.01663	0.68600	Oversupply
2/19/2023 9:48	0:02	SSA3	0.01649	1.27600	Oversupply
2/19/2023 9:50	0:02	SSA3	0.01649	1.16900	Oversupply
2/19/2023 9:52	0:02	SSA3	0.01649	1.68100	Oversupply
2/19/2023 9:54	0:02	SSA3	0.01663	1.74000	Oversupply
2/19/2023 9:56	0:02	SSA3	0.01663	1.37200	Oversupply
2/19/2023 9:58	0:02	SSA3	0.00912	1.54000	Oversupply
2/19/2023 10:04	0:02	SSA3	0.00395	2.03100	Oversupply
2/19/2023 10:10	3:18	17-2	2.03858	0.75000	Oversupply
2/19/2023 10:13	0:02	SSA3	0.00437	2.17100	Oversupply
2/19/2023 10:15	0:02	SSA3	0.06350	1.81800	Oversupply
2/19/2023 10:17	0:02	SSA3	0.06403	0.62300	Oversupply
2/19/2023 10:19	0:02	SSA3	0.06298	1.33000	Oversupply
2/19/2023 10:21	0:02	SSA3	0.06350	0.41200	Oversupply
2/19/2023 10:22	0:08	BS250	Data not available	Data not available	Oversupply
2/19/2023 10:23	0:03	AWE	0.00339	21.00000	Oversupply
2/19/2023 10:23	0:02	SSA3	0.06350	0.17200	Oversupply
2/19/2023 10:25	0:02	SSA3	0.06298	0.00100	Oversupply
2/19/2023 10:27	0:02	AWE	0.00332	21.00000	Oversupply
2/19/2023 10:27	0:04	SSA3	0.13367	-0.00100	Oversupply
2/19/2023 10:30	0:01	AWE	0.00107	21.00000	Oversupply
2/19/2023 10:31	0:02	SSA3	0.07700	0.39500	Oversupply
2/19/2023 10:32	2:51	BS250	Data not available	Data not available	Oversupply
2/19/2023 10:33	0:04	AWE	0.00330	21.00000	Oversupply
2/19/2023 10:33	2:50	SSA3	7.63493	0.01000	Oversupply
2/19/2023 10:38	2:44	AWE	21.81976	21.00000	Oversupply
2/19/2023 12:07	0:01	KWPll	0.00033021	0.099795528	Oversupply
2/19/2023 12:13	1:10	KWPll	1.035669056	1.6835506	Oversupply
2/19/2023 13:23	0:02	SSA3	0.06608	0.09700	Oversupply
2/19/2023 13:25	0:02	SSA3	0.06608	0.69900	Oversupply
2/19/2023 13:27	0:02	SSA3	0.06554	2.30100	Oversupply
2/20/2023 7:02	11:24	SSA3	15.09703	0.00000	Oversupply
2/20/2023 11:57	0:05	17-2	0.03752	0.61600	Oversupply
2/20/2023 12:04	0:01	17-2	0.00533	0.65100	Oversupply
2/20/2023 12:12	0:58	17-2	0.56712	0.75000	Oversupply
2/20/2023 12:20	0:48	BS250	Data not available	Data not available	Oversupply
2/20/2023 12:20	0:48	AWE	4.28471	21.00000	Oversupply
2/21/2023 10:13	0:01	17-2	0.00188	0.60400	Oversupply
2/21/2023 10:30	0:08	17-2	0.06125	0.75000	Oversupply
2/21/2023 10:42	0:22	17-2	0.19494	0.75000	Oversupply
2/21/2023 10:49	0:02	SSA3	0.04744	2.62700	Oversupply
2/21/2023 10:51	0:06	SSA3	0.14155	0.02000	Oversupply
2/21/2023 10:52	0:04	BS250	Data not available	Data not available	Oversupply
2/21/2023 10:52	0:04	AWE	0.05683	20.60000	Oversupply
2/21/2023 10:57	0:02	SSA3	0.04666	1.00900	Oversupply
2/21/2023 10:59	0:02	SSA3	0.01932	1.47300	Oversupply
2/21/2023 11:01	0:02	SSA3	-0.00180	1.91400	Oversupply
2/21/2023 11:05	0:05	17-2	0.03449	0.75000	Oversupply
2/21/2023 11:52	0:34	17-2	0.37984	0.75000	Oversupply
2/21/2023 11:54	0:20	BS250	Data not available	Data not available	Oversupply
2/21/2023 11:54	0:20	AWE	0.78271	20.70000	Oversupply
2/21/2023 11:54	0:20	SSA3	0.68230	0.21800	Oversupply
2/21/2023 12:10	0:04	KWPll	0.016181219	0.52492446	Oversupply
2/21/2023 12:14	0:02	SSA3	0.03238	0.79700	Oversupply
2/21/2023 12:16	0:02	SSA3	0.01396	0.84100	Oversupply
2/21/2023 12:18	0:02	SSA3	0.01442	2.21000	Oversupply
2/21/2023 12:30	0:01	17-2	0.01165	0.75000	Oversupply
2/21/2023 12:39	0:39	17-2	0.44226	0.75000	Oversupply
2/21/2023 12:40	0:02	SSA3	0.01592	1.14600	Oversupply
2/21/2023 12:42	0:02	SSA3	0.01566	0.09700	Oversupply
2/21/2023 12:43	0:01	BS250	Data not available	Data not available	Oversupply
2/21/2023 12:43	0:01	AWE	0.00412	20.20000	Oversupply
2/21/2023 12:43	0:01	KWPll	0.002249616	0.31335795	Oversupply
2/21/2023 12:44	0:02	SSA3	0.05615	0.19400	Oversupply
2/21/2023 12:46	0:14	BS250	Data not available	Data not available	Oversupply
2/21/2023 12:46	0:14	KWPll	0.052218509	0.58779567	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/21/2023 12:46	0:14	SSA3	0.45726	0.01000	Oversupply
2/21/2023 12:47	0:13	AWE	0.55568	20.80000	Oversupply
2/21/2023 13:01	0:02	SSA3	0.05869	0.38800	Oversupply
2/21/2023 13:03	0:02	SSA3	0.05918	1.42200	Oversupply
2/21/2023 13:05	0:02	SSA3	0.05869	2.21900	Oversupply
2/21/2023 13:07	0:02	SSA3	0.05869	1.33900	Oversupply
2/21/2023 13:08	0:06	BS250	Data not available	Data not available	Oversupply
2/21/2023 13:08	0:06	AWE	0.20595	20.80000	Oversupply
2/21/2023 13:08	0:06	KWPIL	0.029955291	0.49897763	Oversupply
2/21/2023 13:09	0:06	SSA3	0.17366	0.00100	Oversupply
2/21/2023 13:29	0:01	17-2	0.01250	0.75000	Oversupply
2/21/2023 13:32	0:01	17-2	0.00459	0.75000	Oversupply
2/21/2023 13:47	0:12	17-2	0.13994	0.75000	Oversupply
2/21/2023 13:51	0:02	SSA3	0.04351	2.57000	Oversupply
2/21/2023 13:53	0:02	SSA3	0.04351	0.83600	Oversupply
2/21/2023 13:54	0:03	BS250	Data not available	Data not available	Oversupply
2/21/2023 13:54	0:03	KWPIL	0.022291479	0.86422926	Oversupply
2/21/2023 13:55	0:02	AWE	0.02051	20.70000	Oversupply
2/21/2023 13:55	0:02	SSA3	0.04387	-0.00200	Oversupply
2/22/2023 2:48	0:03	KWPIL	0.099440023	4.3520832	Oversupply
2/22/2023 2:52	0:16	KWPIL	1.040064129	7.058538	Oversupply
2/22/2023 3:09	0:15	KWPIL	0.71154788	9.8707762	Oversupply
2/22/2023 3:25	0:09	KWPIL	0.20174744	7.7131963	Oversupply
2/22/2023 10:44	0:01	17-2	0.00025	0.75000	Oversupply
2/22/2023 10:48	0:02	17-2	0.00092	0.75000	Oversupply
2/22/2023 10:51	0:08	17-2	0.00366	0.75000	Oversupply
2/22/2023 11:04	0:04	17-2	0.02843	0.75000	Oversupply
2/22/2023 11:09	4:03	17-2	2.44256	0.75000	Oversupply
2/22/2023 11:09	0:02	SSA3	0.01008	2.20500	Oversupply
2/22/2023 11:12	0:02	SSA3	0.00992	1.02400	Oversupply
2/22/2023 11:16	0:02	SSA3	0.04946	1.56400	Oversupply
2/22/2023 11:18	0:02	SSA3	0.04946	1.23600	Oversupply
2/22/2023 11:20	0:02	SSA3	0.04905	1.32100	Oversupply
2/22/2023 11:22	0:02	SSA3	0.04946	1.39900	Oversupply
2/22/2023 11:24	0:02	SSA3	0.04946	1.68200	Oversupply
2/22/2023 11:26	0:02	SSA3	0.04946	1.86400	Oversupply
2/22/2023 11:28	0:02	SSA3	0.05177	0.63900	Oversupply
2/22/2023 11:30	0:02	SSA3	0.08370	0.39600	Oversupply
2/22/2023 11:32	0:02	SSA3	0.08370	1.27000	Oversupply
2/22/2023 11:33	0:34	BS250	Data not available	Data not available	Oversupply
2/22/2023 11:33	0:12	KWPIL	0.178235063	1.7354443	Oversupply
2/22/2023 11:34	0:22	AWE	0.71221	21.00000	Oversupply
2/22/2023 11:34	3:26	SSA3	9.35729	0.00400	Oversupply
2/22/2023 11:50	0:01	KWPIL	0.000278481	0.15667897	Oversupply
2/22/2023 11:52	0:01	KWPIL	0.00087878	0.1427076	Oversupply
2/22/2023 11:55	0:12	KWPIL	0.289996931	2.7433791	Oversupply
2/22/2023 11:57	0:09	AWE	0.24769	21.00000	Oversupply
2/22/2023 12:08	3:00	BS250	Data not available	Data not available	Oversupply
2/22/2023 12:08	3:00	KWPIL	20.02149566	16.436323	Oversupply
2/22/2023 12:12	0:20	AWE	0.88433	21.00000	Oversupply
2/22/2023 12:35	0:02	AWE	0.00665	21.00000	Oversupply
2/22/2023 12:43	0:16	AWE	0.64821	21.00000	Oversupply
2/22/2023 13:02	0:35	AWE	1.14119	21.00000	Oversupply
2/22/2023 14:12	0:01	AWE	0.00424	21.00000	Oversupply
2/22/2023 14:15	0:02	AWE	0.01647	21.00000	Oversupply
2/22/2023 14:22	0:07	AWE	0.13511	20.70000	Oversupply
2/22/2023 15:00	0:02	SSA3	0.04904	0.00300	Oversupply
2/22/2023 15:02	0:06	SSA3	0.14590	0.00000	Oversupply
2/22/2023 15:08	0:02	SSA3	0.04944	0.24700	Oversupply
2/22/2023 15:10	0:02	SSA3	0.04944	1.22200	Oversupply
2/22/2023 15:36	0:02	17-2	0.01219	0.70500	Oversupply
2/22/2023 15:41	0:01	17-2	0.00849	0.69400	Oversupply
2/22/2023 15:43	0:01	17-2	0.01157	0.69400	Oversupply
2/22/2023 15:46	0:01	17-2	0.01135	0.68100	Oversupply
2/22/2023 23:06	0:01	KWPIL	0.000831629	0.049897764	Oversupply
2/22/2023 23:48	0:01	KWPIL	0.01631755	3.6535144	Oversupply
2/22/2023 23:50	1:45	KWPIL	22.28904415	19.577887	Oversupply
2/22/2023 23:54	1:22	AWE	7.74141	21.00000	Oversupply
2/23/2023 1:17	0:03	AWE	0.01819	20.80000	Oversupply
2/23/2023 1:27	0:01	AWE	0.00002	21.00000	Oversupply
2/23/2023 1:30	0:01	AWE	0.00200	21.00000	Oversupply
2/23/2023 1:36	0:01	KWPIL	0.027077853	1.6246712	Oversupply
2/23/2023 9:01	4:51	BS250	Data not available	Data not available	Oversupply
2/23/2023 9:01	3:29	AWE	33.89908	21.00000	Oversupply
2/23/2023 9:02	4:53	17-2	2.38501	0.75000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/23/2023 9:02	4:49	SSA3	10.56376	0.01500	Oversupply
2/23/2023 9:27	0:01	KWPPII	0.003436842	0.40616781	Oversupply
2/23/2023 9:51	1:14	KWPPII	3.660315676	5.9518051	Oversupply
2/23/2023 11:15	2:37	KWPPII	14.207505	13.122114	Oversupply
2/23/2023 12:41	0:05	AWE	0.08603	21.00000	Oversupply
2/23/2023 12:54	0:02	AWE	0.01401	21.00000	Oversupply
2/23/2023 13:13	0:02	AWE	0.02733	21.00000	Oversupply
2/23/2023 13:16	0:04	AWE	0.05826	21.00000	Oversupply
2/23/2023 13:25	0:13	AWE	0.38398	21.00000	Oversupply
2/23/2023 13:47	0:01	AWE	0.00396	20.70000	Oversupply
2/23/2023 13:51	0:02	SSA3	0.03422	0.11700	Oversupply
2/23/2023 14:03	0:03	17-2	0.01106	0.34500	Oversupply
2/23/2023 14:52	0:49	BS250	Data not available	Data not available	Oversupply
2/23/2023 14:52	0:49	KWPPII	4.935443307	11.076305	Oversupply
2/23/2023 14:52	1:45	17-2	0.42841	0.75000	Oversupply
2/23/2023 14:52	0:50	SSA3	0.90665	-0.02000	Oversupply
2/23/2023 14:55	0:04	AWE	0.02083	21.00000	Oversupply
2/23/2023 15:00	0:30	AWE	1.50261	21.00000	Oversupply
2/23/2023 15:42	0:02	SSA3	0.03237	0.52800	Oversupply
2/23/2023 15:44	0:04	BS250	Data not available	Data not available	Oversupply
2/23/2023 15:44	0:04	KWPPII	0.055537523	10.758956	Oversupply
2/23/2023 15:44	0:04	SSA3	0.07183	-0.00500	Oversupply
2/23/2023 15:48	0:02	SSA3	0.03816	-0.00300	Oversupply
2/23/2023 15:50	0:45	BS250	Data not available	Data not available	Oversupply
2/23/2023 15:50	0:45	KWPPII	5.306941039	14.556176	Oversupply
2/23/2023 15:50	0:43	SSA3	0.48693	0.18400	Oversupply
2/23/2023 16:23	0:04	AWE	0.05803	20.50000	Oversupply
2/23/2023 16:33	0:02	SSA3	0.01102	0.04900	Oversupply
2/23/2023 16:37	0:02	SSA3	0.01111	0.49500	Oversupply
2/23/2023 16:38	0:39	BS250	Data not available	Data not available	Oversupply
2/23/2023 16:38	0:40	17-2	0.07413	0.16000	Oversupply
2/23/2023 16:38	0:39	KWPPII	6.994793813	18.651785	Oversupply
2/23/2023 16:39	0:38	SSA3	0.14791	-0.00300	Oversupply
2/23/2023 17:42	0:02	SSA3	0.00072	0.05100	Oversupply
2/23/2023 17:43	0:20	BS250	Data not available	Data not available	Oversupply
2/23/2023 17:43	0:12	17-2	0.00622	0.05200	Oversupply
2/23/2023 17:43	0:20	KWPPII	1.818060263	16.11598	Oversupply
2/23/2023 17:44	0:18	SSA3	0.02438	0.00700	Oversupply
2/23/2023 18:23	0:04	BS250	Data not available	Data not available	Oversupply
2/23/2023 18:23	0:04	KWPPII	0.048947133	15.358532	Oversupply
2/23/2023 18:30	2:39	KWPPII	16.38201039	21.091785	Oversupply
2/23/2023 21:17	9:02	KWPPII	138.4346474	21.055859	Oversupply
2/23/2023 23:34	0:38	AWE	2.07501	21.00000	Oversupply
2/24/2023 0:13	5:12	AWE	49.64258	21.00000	Oversupply
2/24/2023 6:23	0:03	KWPPII	0.0120085	18.008102	Oversupply
2/24/2023 6:32	0:09	KWPPII	0.145221383	18.004112	Oversupply
2/24/2023 6:42	9:34	KWPPII	149.5032258	21.075817	Oversupply
2/24/2023 6:47	9:29	BS250	Data not available	Data not available	Oversupply
2/24/2023 6:57	9:20	SSA3	15.62259	0.02500	Oversupply
2/24/2023 7:24	8:56	17-2	2.97489	0.75000	Oversupply
2/24/2023 10:11	5:35	AWE	75.92637	21.00000	Oversupply
2/24/2023 11:49	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 11:49	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 12:00	0:03	5A	Data not available	Data not available	Oversupply
2/24/2023 12:00	0:03	MS	Data not available	Data not available	Oversupply
2/24/2023 12:02	0:01	KWP	0.002666683	26.640001	Oversupply
2/24/2023 12:36	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 12:36	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 12:38	0:04	5A	Data not available	Data not available	Oversupply
2/24/2023 12:38	0:04	MS	Data not available	Data not available	Oversupply
2/24/2023 12:41	0:01	KWP	0.002666665	21.52	Oversupply
2/24/2023 12:45	0:06	5A	Data not available	Data not available	Oversupply
2/24/2023 12:45	0:06	MS	Data not available	Data not available	Oversupply
2/24/2023 12:52	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 12:52	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:03	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 13:03	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:09	0:10	5A	Data not available	Data not available	Oversupply
2/24/2023 13:09	0:10	MS	Data not available	Data not available	Oversupply
2/24/2023 13:21	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 13:21	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:23	0:05	5A	Data not available	Data not available	Oversupply
2/24/2023 13:23	0:05	MS	Data not available	Data not available	Oversupply
2/24/2023 13:27	0:01	KWP	0.002666667	13.68	Oversupply
2/24/2023 13:29	0:01	5A	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/24/2023 13:29	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:34	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 13:34	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:37	0:02	5A	Data not available	Data not available	Oversupply
2/24/2023 13:37	0:02	MS	Data not available	Data not available	Oversupply
2/24/2023 13:40	0:02	5A	Data not available	Data not available	Oversupply
2/24/2023 13:40	0:02	MS	Data not available	Data not available	Oversupply
2/24/2023 13:44	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 13:44	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 13:51	0:03	5A	Data not available	Data not available	Oversupply
2/24/2023 13:51	0:03	MS	Data not available	Data not available	Oversupply
2/24/2023 13:55	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 13:55	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 14:11	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 14:11	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 14:30	0:02	5A	Data not available	Data not available	Oversupply
2/24/2023 14:30	0:02	MS	Data not available	Data not available	Oversupply
2/24/2023 14:40	0:02	5A	Data not available	Data not available	Oversupply
2/24/2023 14:40	0:02	MS	Data not available	Data not available	Oversupply
2/24/2023 14:40	0:01	KWP	0.002666667	27.280001	Oversupply
2/24/2023 14:45	0:01	5A	Data not available	Data not available	Oversupply
2/24/2023 14:45	0:01	MS	Data not available	Data not available	Oversupply
2/24/2023 21:47	19:24	KWP	319.9983407	20.941093	Oversupply
2/24/2023 23:53	6:09	AWE	56.28999	21.00000	Oversupply
2/25/2023 6:47	10:24	BS250	Data not available	Data not available	Oversupply
2/25/2023 6:57	10:14	SSA3	19.11571	0.01700	Oversupply
2/25/2023 7:12	10:05	17-2	3.25814	0.75000	Oversupply
2/25/2023 8:37	0:02	AWE	0.00861	21.00000	Oversupply
2/25/2023 8:42	6:44	AWE	116.15829	21.00000	Oversupply
2/25/2023 9:52	0:08	5A	Data not available	Data not available	Oversupply
2/25/2023 9:52	0:08	MS	Data not available	Data not available	Oversupply
2/25/2023 9:56	0:01	KWP	0.002666667	22.16	Oversupply
2/25/2023 10:01	0:09	5A	Data not available	Data not available	Oversupply
2/25/2023 10:01	0:09	MS	Data not available	Data not available	Oversupply
2/25/2023 10:02	0:01	KWP	0.005333333	24.880001	Oversupply
2/25/2023 10:11	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 10:11	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 10:14	0:13	5A	Data not available	Data not available	Oversupply
2/25/2023 10:14	0:13	MS	Data not available	Data not available	Oversupply
2/25/2023 10:22	0:01	KWP	0.002666665	20.559999	Oversupply
2/25/2023 10:26	0:01	KWP	0.002666667	20.24	Oversupply
2/25/2023 10:28	0:08	5A	Data not available	Data not available	Oversupply
2/25/2023 10:28	0:08	MS	Data not available	Data not available	Oversupply
2/25/2023 10:31	0:01	KWP	0.002666667	18.32	Oversupply
2/25/2023 10:39	0:13	5A	Data not available	Data not available	Oversupply
2/25/2023 10:39	0:13	MS	Data not available	Data not available	Oversupply
2/25/2023 10:41	0:01	KWP	0.002666667	19.92	Oversupply
2/25/2023 10:43	0:01	KWP	0.002666667	19.280001	Oversupply
2/25/2023 10:53	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 10:53	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 10:53	0:01	KWP	0.002666667	12.08	Oversupply
2/25/2023 10:57	0:15	5A	Data not available	Data not available	Oversupply
2/25/2023 10:57	0:15	MS	Data not available	Data not available	Oversupply
2/25/2023 11:02	0:01	KWP	0.002666663	9.6800003	Oversupply
2/25/2023 11:05	0:01	KWP	0.002666663	9.6800003	Oversupply
2/25/2023 11:13	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:13	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 11:16	0:06	5A	Data not available	Data not available	Oversupply
2/25/2023 11:16	0:06	MS	Data not available	Data not available	Oversupply
2/25/2023 11:20	0:01	KWP	0.002666665	6.3200002	Oversupply
2/25/2023 11:24	0:04	5A	Data not available	Data not available	Oversupply
2/25/2023 11:24	0:04	MS	Data not available	Data not available	Oversupply
2/25/2023 11:24	0:01	KWP	0.002666663	5.3600001	Oversupply
2/25/2023 11:29	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:29	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 11:32	0:05	5A	Data not available	Data not available	Oversupply
2/25/2023 11:32	0:05	MS	Data not available	Data not available	Oversupply
2/25/2023 11:36	0:01	KWP	0.002666665	5.52	Oversupply
2/25/2023 11:38	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:38	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 11:40	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:40	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 11:40	0:01	KWP	0.003896467	5.6800003	Oversupply
2/25/2023 11:43	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:43	0:01	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/25/2023 11:45	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:45	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 11:47	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 11:47	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 11:50	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 11:50	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 11:54	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 11:54	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 11:57	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 11:57	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 12:00	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:00	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:03	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:03	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:06	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:06	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:07	0:01	KWP	0.000699037	3.4400001	Oversupply
2/25/2023 12:09	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:09	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:09	0:02	KWP	0.008947008	2.96	Oversupply
2/25/2023 12:13	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 12:13	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 12:14	0:01	KWP	0.002666665	5.52	Oversupply
2/25/2023 12:17	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:17	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:17	0:01	KWP	0.002666672	6.6400003	Oversupply
2/25/2023 12:26	0:05	5A	Data not available	Data not available	Oversupply
2/25/2023 12:26	0:05	MS	Data not available	Data not available	Oversupply
2/25/2023 12:27	0:01	KWP	0.002666667	14.64	Oversupply
2/25/2023 12:32	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:32	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:35	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 12:35	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 12:40	0:10	5A	Data not available	Data not available	Oversupply
2/25/2023 12:40	0:10	MS	Data not available	Data not available	Oversupply
2/25/2023 12:46	0:01	KWP	0.002666667	13.84	Oversupply
2/25/2023 12:52	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 12:52	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 12:56	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 12:56	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 12:57	0:01	KWP	0.002666683	10.320001	Oversupply
2/25/2023 13:07	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 13:07	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 13:09	0:04	5A	Data not available	Data not available	Oversupply
2/25/2023 13:09	0:04	MS	Data not available	Data not available	Oversupply
2/25/2023 13:11	0:01	KWP	0.002666667	20.08	Oversupply
2/25/2023 13:14	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:14	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:15	0:01	KWP	0.002666667	18.16	Oversupply
2/25/2023 13:18	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 13:18	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 13:21	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:21	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:24	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 13:24	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 13:24	0:01	KWP	0.005333317	20.559999	Oversupply
2/25/2023 13:29	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:29	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:32	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:32	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:33	0:01	KWP	0.002666667	21.68	Oversupply
2/25/2023 13:35	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:35	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:38	0:03	5A	Data not available	Data not available	Oversupply
2/25/2023 13:38	0:03	MS	Data not available	Data not available	Oversupply
2/25/2023 13:42	0:02	5A	Data not available	Data not available	Oversupply
2/25/2023 13:42	0:02	MS	Data not available	Data not available	Oversupply
2/25/2023 13:46	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 13:46	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 13:50	0:05	5A	Data not available	Data not available	Oversupply
2/25/2023 13:50	0:05	MS	Data not available	Data not available	Oversupply
2/25/2023 14:05	0:01	5A	Data not available	Data not available	Oversupply
2/25/2023 14:05	0:01	MS	Data not available	Data not available	Oversupply
2/25/2023 17:11	0:02	SSA3	0.02842	0.49600	Oversupply
2/25/2023 17:13	0:02	SSA3	0.02224	0.42100	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/25/2023 22:53	8:01	KWP	65.26798295	20.936104	Oversupply
2/26/2023 6:47	0:07	BS250	Data not available	Data not available	Oversupply
2/26/2023 7:18	0:10	SSA3	0.00698	0.04700	Oversupply
2/26/2023 7:19	0:09	BS250	Data not available	Data not available	Oversupply
2/26/2023 7:19	0:09	KWP	0.230278467	19.483082	Oversupply
2/26/2023 7:23	0:06	17-2	0.00140	0.02200	Oversupply
2/26/2023 7:44	0:06	BS250	Data not available	Data not available	Oversupply
2/26/2023 7:44	0:08	17-2	0.00635	0.13800	Oversupply
2/26/2023 7:44	0:06	KWP	0.06444125	19.482082	Oversupply
2/26/2023 7:45	0:06	SSA3	0.05036	0.00600	Oversupply
2/26/2023 7:53	9:26	17-2	5.03815	0.75000	Oversupply
2/26/2023 7:54	9:18	BS250	Data not available	Data not available	Oversupply
2/26/2023 7:54	9:18	KWP	163.0247442	20.999973	Oversupply
2/26/2023 7:55	9:17	SSA3	20.28517	-0.00100	Oversupply
2/26/2023 8:43	0:03	AWE	0.01239	21.00000	Oversupply
2/26/2023 8:47	0:01	AWE	0.00274	21.00000	Oversupply
2/26/2023 9:08	6:16	AWE	108.09534	21.00000	Oversupply
2/26/2023 10:42	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 10:42	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 10:44	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 10:44	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 10:47	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 10:47	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 10:47	0:01	KWP	0.0004831	24.24	Oversupply
2/26/2023 10:52	0:09	5A	Data not available	Data not available	Oversupply
2/26/2023 10:52	0:09	MS	Data not available	Data not available	Oversupply
2/26/2023 11:00	0:01	KWP	0.0026667	20.720001	Oversupply
2/26/2023 11:02	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 11:02	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 11:02	0:01	KWP	0.000913717	21.040001	Oversupply
2/26/2023 11:04	0:01	KWP	0.0026667	20.720001	Oversupply
2/26/2023 11:08	0:09	5A	Data not available	Data not available	Oversupply
2/26/2023 11:08	0:09	MS	Data not available	Data not available	Oversupply
2/26/2023 11:16	0:01	KWP	0.002666667	19.92	Oversupply
2/26/2023 11:18	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 11:18	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 11:24	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 11:24	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 11:27	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 11:27	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 11:27	0:01	KWP	0.002666667	19.440001	Oversupply
2/26/2023 11:32	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 11:32	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 11:35	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 11:35	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 11:39	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 11:39	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 11:42	0:01	KWP	0.0026667	16.720001	Oversupply
2/26/2023 11:44	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 11:44	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 11:44	0:01	KWP	0.002558733	15.440001	Oversupply
2/26/2023 11:46	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 11:46	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 11:47	0:01	KWP	0.00266665	16.559999	Oversupply
2/26/2023 11:50	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 11:50	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 11:56	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 11:56	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 12:00	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 12:00	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 12:05	0:05	5A	Data not available	Data not available	Oversupply
2/26/2023 12:05	0:05	MS	Data not available	Data not available	Oversupply
2/26/2023 12:06	0:01	KWP	0.005333333	13.84	Oversupply
2/26/2023 12:12	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 12:12	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 12:14	0:08	5A	Data not available	Data not available	Oversupply
2/26/2023 12:14	0:08	MS	Data not available	Data not available	Oversupply
2/26/2023 12:23	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 12:23	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 12:26	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 12:26	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 12:29	0:07	5A	Data not available	Data not available	Oversupply
2/26/2023 12:29	0:07	MS	Data not available	Data not available	Oversupply
2/26/2023 12:37	0:06	5A	Data not available	Data not available	Oversupply
2/26/2023 12:37	0:06	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/26/2023 12:44	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 12:44	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 12:44	0:01	KWP	0.001752948	10	Oversupply
2/26/2023 12:46	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 12:46	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 12:46	0:02	KWP	0.005333348	10.320001	Oversupply
2/26/2023 12:49	0:06	5A	Data not available	Data not available	Oversupply
2/26/2023 12:49	0:06	MS	Data not available	Data not available	Oversupply
2/26/2023 12:56	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 12:56	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 12:58	0:01	KWP	0.002666667	11.12	Oversupply
2/26/2023 13:02	0:10	5A	Data not available	Data not available	Oversupply
2/26/2023 13:02	0:10	MS	Data not available	Data not available	Oversupply
2/26/2023 13:03	0:01	KWP	0.002666667	14.8	Oversupply
2/26/2023 13:05	0:01	KWP	0.002666665	12.56	Oversupply
2/26/2023 13:13	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 13:13	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 13:15	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 13:15	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 13:15	0:01	KWP	0.002666667	10.8	Oversupply
2/26/2023 13:18	0:01	KWP	0.002666663	10	Oversupply
2/26/2023 13:20	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 13:20	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 13:23	0:01	KWP	0.002666667	10.96	Oversupply
2/26/2023 13:25	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 13:25	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 13:27	0:04	5A	Data not available	Data not available	Oversupply
2/26/2023 13:27	0:04	MS	Data not available	Data not available	Oversupply
2/26/2023 13:32	0:01	5A	Data not available	Data not available	Oversupply
2/26/2023 13:32	0:01	MS	Data not available	Data not available	Oversupply
2/26/2023 13:34	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 13:34	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 13:38	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 13:38	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 13:43	0:11	5A	Data not available	Data not available	Oversupply
2/26/2023 13:43	0:11	MS	Data not available	Data not available	Oversupply
2/26/2023 13:55	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 13:55	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 13:59	0:17	5A	Data not available	Data not available	Oversupply
2/26/2023 13:59	0:17	MS	Data not available	Data not available	Oversupply
2/26/2023 14:09	0:01	KWP	0.002666667	13.84	Oversupply
2/26/2023 14:17	0:02	5A	Data not available	Data not available	Oversupply
2/26/2023 14:17	0:02	MS	Data not available	Data not available	Oversupply
2/26/2023 14:22	0:03	5A	Data not available	Data not available	Oversupply
2/26/2023 14:22	0:03	MS	Data not available	Data not available	Oversupply
2/26/2023 17:12	0:02	SSA3	0.02869	0.13000	Oversupply
2/26/2023 17:14	0:02	SSA3	0.01609	0.22800	Oversupply
2/26/2023 17:16	0:02	SSA3	0.00318	0.66100	Oversupply
2/26/2023 23:17	0:10	KWP11	0.272235365	8.8378916	Oversupply
2/26/2023 23:28	0:06	KWP11	0.079809277	10.358776	Oversupply
2/26/2023 23:36	17:32	KWP11	289.6332061	21.01095	Oversupply
2/27/2023 1:34	0:02	AWE	0.00415	21.00000	Oversupply
2/27/2023 1:40	0:01	AWE	0.00257	21.00000	Oversupply
2/27/2023 1:45	2:16	AWE	2.69261	21.00000	Oversupply
2/27/2023 4:26	0:01	AWE	0.00216	19.80000	Oversupply
2/27/2023 4:28	0:02	AWE	0.00209	20.00000	Oversupply
2/27/2023 6:47	0:03	BS250	Data not available	Data not available	Oversupply
2/27/2023 6:54	0:06	BS250	Data not available	Data not available	Oversupply
2/27/2023 7:01	0:01	BS250	Data not available	Data not available	Oversupply
2/27/2023 7:03	0:03	BS250	Data not available	Data not available	Oversupply
2/27/2023 7:08	10:00	SSA3	20.64005	0.00100	Oversupply
2/27/2023 7:09	9:59	BS250	Data not available	Data not available	Oversupply
2/27/2023 7:12	0:39	17-2	0.01158	0.04600	Oversupply
2/27/2023 7:44	0:19	AWE	0.62909	21.00000	Oversupply
2/27/2023 7:53	9:34	17-2	3.94508	0.75000	Oversupply
2/27/2023 8:13	0:02	AWE	0.00103	21.00000	Oversupply
2/27/2023 8:26	0:03	AWE	0.00256	21.00000	Oversupply
2/27/2023 8:31	6:50	AWE	102.75018	21.00000	Oversupply
2/27/2023 10:20	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 10:20	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 10:53	0:07	5A	Data not available	Data not available	Oversupply
2/27/2023 10:53	0:07	MS	Data not available	Data not available	Oversupply
2/27/2023 10:57	0:01	KWP	0.002666667	19.280001	Oversupply
2/27/2023 11:07	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 11:07	0:01	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/27/2023 11:09	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 11:09	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 11:11	0:12	5A	Data not available	Data not available	Oversupply
2/27/2023 11:11	0:12	MS	Data not available	Data not available	Oversupply
2/27/2023 11:24	0:04	5A	Data not available	Data not available	Oversupply
2/27/2023 11:24	0:04	MS	Data not available	Data not available	Oversupply
2/27/2023 11:29	0:07	5A	Data not available	Data not available	Oversupply
2/27/2023 11:29	0:07	MS	Data not available	Data not available	Oversupply
2/27/2023 11:31	0:01	KWP	0.0019309	17.52	Oversupply
2/27/2023 11:38	0:02	5A	Data not available	Data not available	Oversupply
2/27/2023 11:38	0:02	MS	Data not available	Data not available	Oversupply
2/27/2023 11:38	0:01	KWP	0.002666667	17.68	Oversupply
2/27/2023 11:42	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 11:42	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 12:04	0:05	5A	Data not available	Data not available	Oversupply
2/27/2023 12:04	0:05	MS	Data not available	Data not available	Oversupply
2/27/2023 12:21	0:11	5A	Data not available	Data not available	Oversupply
2/27/2023 12:21	0:11	MS	Data not available	Data not available	Oversupply
2/27/2023 12:35	0:05	5A	Data not available	Data not available	Oversupply
2/27/2023 12:35	0:05	MS	Data not available	Data not available	Oversupply
2/27/2023 12:38	0:01	KWP	0.002666667	18	Oversupply
2/27/2023 12:41	0:02	5A	Data not available	Data not available	Oversupply
2/27/2023 12:41	0:02	MS	Data not available	Data not available	Oversupply
2/27/2023 12:45	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 12:45	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 12:51	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 12:51	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 13:09	0:01	5A	Data not available	Data not available	Oversupply
2/27/2023 13:09	0:01	MS	Data not available	Data not available	Oversupply
2/27/2023 13:12	0:03	5A	Data not available	Data not available	Oversupply
2/27/2023 13:12	0:03	MS	Data not available	Data not available	Oversupply
2/27/2023 17:08	0:02	SSA3	0.02697	0.14000	Oversupply
2/27/2023 17:10	0:02	SSA3	0.02720	0.47300	Oversupply
2/27/2023 17:12	0:14	BS250	Data not available	Data not available	Oversupply
2/27/2023 17:12	0:14	SSA3	0.15822	0.00400	Oversupply
2/27/2023 17:13	0:13	KWPIL	0.481400333	20.992987	Oversupply
2/27/2023 17:26	0:02	SSA3	0.02053	0.41700	Oversupply
2/27/2023 17:32	0:02	17-2	0.00083	0.30300	Oversupply
2/27/2023 23:07	6:43	KWPIL	56.10315753	20.888203	Oversupply
2/28/2023 7:14	9:44	BS250	Data not available	Data not available	Oversupply
2/28/2023 7:14	9:44	KWPIL	161.180332	20.908161	Oversupply
2/28/2023 7:15	9:44	SSA3	20.18918	0.00000	Oversupply
2/28/2023 7:19	10:17	17-2	3.58070	0.75000	Oversupply
2/28/2023 8:50	0:02	AWE	0.00432	21.00000	Oversupply
2/28/2023 9:03	0:02	AWE	0.02664	21.00000	Oversupply
2/28/2023 9:20	0:56	AWE	4.54810	21.00000	Oversupply
2/28/2023 10:17	4:49	AWE	80.20558	21.00000	Oversupply
2/28/2023 10:59	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 10:59	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 11:02	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 11:02	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 11:06	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 11:06	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 11:08	0:04	5A	Data not available	Data not available	Oversupply
2/28/2023 11:08	0:04	MS	Data not available	Data not available	Oversupply
2/28/2023 11:14	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 11:14	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 11:53	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 11:53	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:04	0:04	5A	Data not available	Data not available	Oversupply
2/28/2023 12:04	0:04	MS	Data not available	Data not available	Oversupply
2/28/2023 12:11	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:11	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:14	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:14	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:16	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:16	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:21	0:03	5A	Data not available	Data not available	Oversupply
2/28/2023 12:21	0:03	MS	Data not available	Data not available	Oversupply
2/28/2023 12:21	0:03	KWP	0.008	17.200001	Oversupply
2/28/2023 12:25	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 12:25	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 12:26	0:01	KWP	0.002666683	14.320001	Oversupply
2/28/2023 12:28	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:28	0:01	MS	Data not available	Data not available	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/28/2023 12:30	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:30	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:30	0:01	KWP	0.002666683	13.360001	Oversupply
2/28/2023 12:32	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:32	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:39	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:39	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:49	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:49	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:51	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 12:51	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 12:53	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 12:53	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 12:58	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 12:58	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 12:58	0:01	KWP	0.005333317	17.68	Oversupply
2/28/2023 13:01	0:05	5A	Data not available	Data not available	Oversupply
2/28/2023 13:01	0:05	MS	Data not available	Data not available	Oversupply
2/28/2023 13:01	0:02	KWP	0.016000017	17.84	Oversupply
2/28/2023 13:08	0:04	5A	Data not available	Data not available	Oversupply
2/28/2023 13:08	0:04	MS	Data not available	Data not available	Oversupply
2/28/2023 13:11	0:01	KWP	0.002666667	15.440001	Oversupply
2/28/2023 13:13	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 13:13	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 13:15	0:05	5A	Data not available	Data not available	Oversupply
2/28/2023 13:15	0:05	MS	Data not available	Data not available	Oversupply
2/28/2023 13:21	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 13:21	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 13:24	0:06	5A	Data not available	Data not available	Oversupply
2/28/2023 13:24	0:06	MS	Data not available	Data not available	Oversupply
2/28/2023 13:26	0:01	KWP	0.005333335	14.320001	Oversupply
2/28/2023 13:28	0:01	KWP	0.002666665	14.48	Oversupply
2/28/2023 13:31	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 13:31	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 13:31	0:01	KWP	0.002666683	13.360001	Oversupply
2/28/2023 13:35	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 13:35	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 13:38	0:04	5A	Data not available	Data not available	Oversupply
2/28/2023 13:38	0:04	MS	Data not available	Data not available	Oversupply
2/28/2023 13:40	0:01	KWP	0.005333333	14.48	Oversupply
2/28/2023 13:43	0:07	5A	Data not available	Data not available	Oversupply
2/28/2023 13:43	0:07	MS	Data not available	Data not available	Oversupply
2/28/2023 13:43	0:01	KWP	0.016264633	15.6	Oversupply
2/28/2023 13:51	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 13:51	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 13:53	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 13:53	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 13:55	0:01	5A	Data not available	Data not available	Oversupply
2/28/2023 13:55	0:01	MS	Data not available	Data not available	Oversupply
2/28/2023 13:57	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 13:57	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 14:00	0:03	5A	Data not available	Data not available	Oversupply
2/28/2023 14:00	0:03	MS	Data not available	Data not available	Oversupply
2/28/2023 14:00	0:01	KWP	0.005333333	17.040001	Oversupply
2/28/2023 14:04	0:03	5A	Data not available	Data not available	Oversupply
2/28/2023 14:04	0:03	MS	Data not available	Data not available	Oversupply
2/28/2023 14:04	0:01	KWP	0.005333335	15.280001	Oversupply
2/28/2023 14:06	0:01	KWP	0.002666667	13.2	Oversupply
2/28/2023 14:11	0:03	5A	Data not available	Data not available	Oversupply
2/28/2023 14:11	0:03	MS	Data not available	Data not available	Oversupply
2/28/2023 14:15	0:04	5A	Data not available	Data not available	Oversupply
2/28/2023 14:15	0:04	MS	Data not available	Data not available	Oversupply
2/28/2023 14:33	0:02	5A	Data not available	Data not available	Oversupply
2/28/2023 14:33	0:02	MS	Data not available	Data not available	Oversupply
2/28/2023 15:09	0:13	AWE	0.30300	21.00000	Oversupply
2/28/2023 15:29	0:11	AWE	0.30556	21.00000	Oversupply
2/28/2023 15:44	0:24	AWE	1.35240	21.00000	Oversupply
2/28/2023 16:59	0:02	SSA3	0.03136	0.13600	Oversupply
2/28/2023 17:00	0:02	BS250	Data not available	Data not available	Oversupply
2/28/2023 17:00	0:02	KWP	0.012870683	17.846434	Oversupply
2/28/2023 17:01	0:02	SSA3	0.02299	0.02100	Oversupply
2/28/2023 17:03	0:02	SSA3	0.02337	0.04200	Oversupply
2/28/2023 17:05	0:04	SSA3	0.04617	0.08300	Oversupply
2/28/2023 17:06	0:03	BS250	Data not available	Data not available	Oversupply
2/28/2023 17:06	0:03	KWP	0.014383783	17.864397	Oversupply



Maui Curtailment Report

February 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
2/28/2023 17:09	0:02	SSA3	0.02299	-0.00300	Oversupply
2/28/2023 17:11	0:19	BS250	Data not available	Data not available	Oversupply
2/28/2023 17:11	0:19	KWPPII	0.63041215	19.385281	Oversupply
2/28/2023 17:11	0:19	SSA3	0.23821	0.08700	Oversupply
2/28/2023 17:30	0:02	SSA3	0.00813	0.20600	Oversupply
2/28/2023 17:32	0:02	SSA3	0.00806	0.21200	Oversupply
2/28/2023 17:39	0:06	17-2	0.02185	0.27100	Oversupply
2/28/2023 17:40	0:02	SSA3	0.00826	0.24200	Oversupply
2/28/2023 17:41	0:02	BS250	Data not available	Data not available	Oversupply
2/28/2023 17:41	0:02	KWPPII	0.001566117	19.396259	Oversupply
2/28/2023 17:42	0:02	SSA3	0.00820	0.26200	Oversupply
2/28/2023 21:27	0:01	KWPPII	0.009150567	14.82263	Oversupply
2/28/2023 21:29	0:18	KWPPII	1.172060717	17.885355	Oversupply
2/28/2023 21:48	2:12	KWPPII	12.44791067	17.890345	Oversupply
Total Estimated Curtailed MWh			5,206.476		

Notes:

- Curtailment for Kaheawa Wind Power ("KWP"), AAAAA Rent-A-Space Maui LTD ("5A"), Maui Solar, LLC (MS) fka Strategic Alliance Group ("SAG") fka Bioreal Solar, LLC ("BS"), Auhahi Wind Energy ("AWE"), Kaheawa Wind Power II ("KWPPII") Bioreal Solar 250, LLC ("BS250"), Extra Spaces A ("ESA"), Extra Spaces B ("ESB"), SSA Solar of Hawaii 3 ("SSA3") fka South Maui Renewable Resources ("SMRR"), SSA Solar of HI 2 ("SSA2") fka Ku'ia Solar ("KS"), and Maui 17-2 ("17-2") may now be controlled by Maui Electric's Automatic Generation Control System ("AGC") or a Maui Electric operator-entered curtailment limit. The AGC curtailment control automatically calculates the amount of Maximum Allowable Variable Generation ("MAVG") that Maui Electric can accept into the Maui system, based on the system current available variable generation ("CAVG"), regulating reserve down requirement ("RRDR"), and available regulating reserve down ("ARRD"). Thus, the AGC MAVG - calculated is equal to CAVG less (RRDR less ARRD). Additionally, the AGC curtailment control allows the Maui Electric operator to enter an AGC MAVG value. The AGC curtailment control will employ the lesser of the AGC MAVG - calculated and AGC MAVG entered values in the control logic.
- Curtailment signals sent to 5A, MS (fka SAG fka BS), BS250, ESA, ESB, SSA3 (fka SMRR), SSA2 (fka KS) and 17-2 during nighttime hours only are not recorded as curtailment events because no energy generation is possible during that time.
- The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECCO 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.
- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by 5A, MS, BS 250, ESA, and ESB.
- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information estimated or provided by AWE, KWP, KWPPII, SSA 2 (fka KS), SSA 3 (fka SMRR) and 17-2. Maui Electric does not make any representation as to its accuracy.
- ESA, and ESB facilities were offline for the month because of Seller equipment problems.
- Kuia Solar was offline for the entire month of February 2023 due to the Lahaina Fire on November 12, 2022.



Start Date and Time	Duration (h:mm)	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
No curtailment for February 2023					
Notes:					
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.					

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