



May 26, 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 April 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/ Andrew Nojiri

for 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):

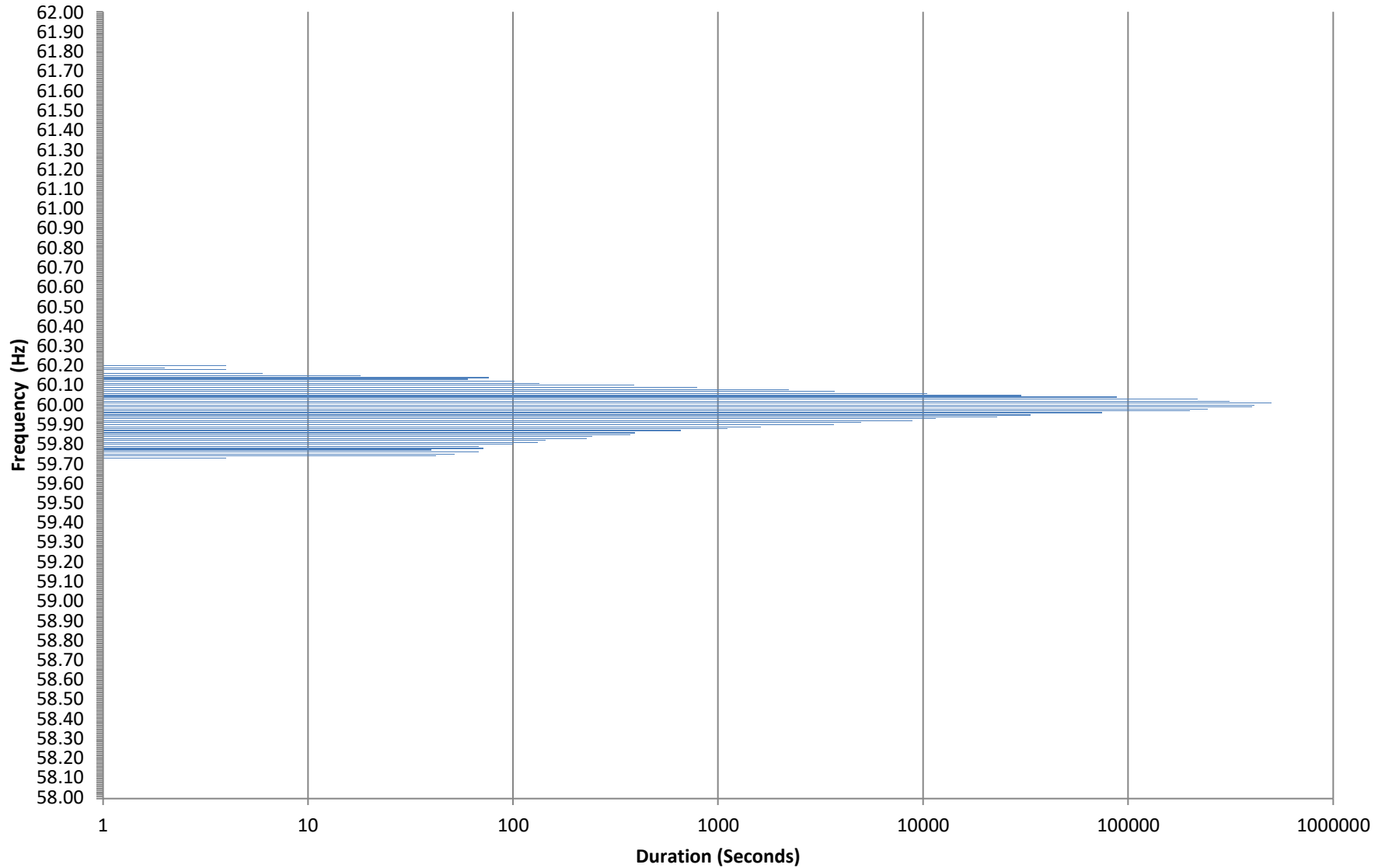
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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 April 2023





Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/6/2023 12:39	0:02	MS	Data is not available	Data is not available	Oversupply
4/6/2023 12:43	0:01	5A	Data is not available	Data is not available	Oversupply
4/6/2023 12:43	0:01	MS	Data is not available	Data is not available	Oversupply
4/6/2023 12:47	0:02	5A	Data is not available	Data is not available	Oversupply
4/6/2023 12:47	0:02	MS	Data is not available	Data is not available	Oversupply
4/6/2023 12:51	0:02	5A	Data is not available	Data is not available	Oversupply
4/6/2023 12:51	0:02	MS	Data is not available	Data is not available	Oversupply
4/6/2023 12:55	0:02	5A	Data is not available	Data is not available	Oversupply
4/6/2023 12:55	0:02	MS	Data is not available	Data is not available	Oversupply
4/6/2023 12:58	0:01	5A	Data is not available	Data is not available	Oversupply
4/6/2023 12:58	0:01	MS	Data is not available	Data is not available	Oversupply
4/6/2023 13:28	0:55	AWE	5.43178	21.00000	Oversupply
4/6/2023 14:24	0:01	AWE	0.00741	20.80000	Oversupply
4/6/2023 14:50	0:02	SSA3	0.01434	0.15900	Oversupply
4/6/2023 14:51	0:02	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 14:51	0:01	KWP11	0.00698	20.75547	Oversupply
4/6/2023 14:52	0:02	SSA3	0.01434	0.07700	Oversupply
4/6/2023 14:54	2:22	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 14:54	2:22	KWP11	17.42990	21.11673	Oversupply
4/6/2023 14:54	2:22	SSA3	2.97268	0.03900	Oversupply
4/6/2023 17:15	0:02	SSA3	0.01325	0.09600	Oversupply
4/6/2023 17:17	0:02	SSA3	0.01314	0.29200	Oversupply
4/6/2023 17:19	0:02	SSA3	0.01304	0.30400	Oversupply
4/6/2023 17:21	0:01	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 17:21	0:01	KWP11	0.01895	21.10875	Oversupply
4/6/2023 17:21	0:02	SSA3	0.01325	0.09300	Oversupply
4/6/2023 17:23	0:20	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 17:23	0:20	KWP11	0.60102	21.09478	Oversupply
4/6/2023 17:23	0:20	SSA3	0.11257	0.00300	Oversupply
4/6/2023 17:48	0:08	17-2	0.01003	0.11300	Oversupply
4/6/2023 17:48	0:02	SSA3	0.00560	0.12200	Oversupply
4/6/2023 17:50	0:01	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 17:50	0:01	KWP11	0.00728	21.03590	Oversupply
4/6/2023 17:50	0:06	SSA3	0.01680	-0.00100	Oversupply
4/6/2023 17:52	0:04	BS250	Data is not available	Data is not available	Oversupply
4/6/2023 17:52	0:04	KWP11	0.05306	21.03590	Oversupply
4/6/2023 17:58	0:02	SSA3	0.00541	0.14600	Oversupply
4/6/2023 17:59	0:02	17-2	0.00391	0.13000	Oversupply
4/6/2023 19:55	0:01	KWP11	0.00903	20.66566	Oversupply
4/6/2023 20:03	0:07	KWP11	0.16291	20.81934	Oversupply
4/6/2023 20:17	0:52	KWP11	4.86982	21.02392	Oversupply
4/6/2023 21:13	0:10	KWP11	0.38341	21.01993	Oversupply
4/6/2023 21:24	0:01	KWP11	0.00438	20.88621	Oversupply
4/6/2023 21:26	4:00	KWP11	46.58781	21.00696	Oversupply
4/6/2023 23:05	0:01	AWE	0.00341	21.00000	Oversupply
4/6/2023 23:07	0:02	AWE	0.01353	21.00000	Oversupply
4/7/2023 1:50	5:28	KWP11	69.43500	20.64869	Oversupply
4/7/2023 2:16	0:01	AWE	0.00328	13.30000	Oversupply
4/7/2023 2:34	0:07	AWE	0.09639	13.40000	Oversupply
4/7/2023 2:46	0:05	AWE	0.04041	11.50000	Oversupply
4/7/2023 2:53	0:05	AWE	0.05869	11.90000	Oversupply
4/7/2023 3:00	0:03	AWE	0.02890	11.80000	Oversupply
4/7/2023 3:05	0:01	AWE	0.00421	11.80000	Oversupply
4/7/2023 3:57	0:08	AWE	0.17164	13.80000	Oversupply
4/7/2023 4:09	0:03	AWE	0.00878	11.00000	Oversupply
4/7/2023 4:15	0:19	AWE	0.72238	11.40000	Oversupply
4/7/2023 4:38	0:01	AWE	0.00049	7.10000	Oversupply
4/7/2023 4:40	0:01	AWE	0.00102	6.50000	Oversupply
4/7/2023 4:42	0:01	AWE	0.00169	6.10000	Oversupply
4/7/2023 4:44	0:01	AWE	0.00302	6.50000	Oversupply
4/7/2023 4:58	0:02	AWE	0.01340	9.60000	Oversupply
4/7/2023 5:02	0:01	AWE	0.00020	9.00000	Oversupply
4/7/2023 5:04	0:05	AWE	0.02775	10.60000	Oversupply
4/7/2023 5:19	0:05	AWE	0.09505	13.90000	Oversupply
4/7/2023 5:25	0:02	AWE	0.02386	13.60000	Oversupply
4/7/2023 5:35	0:29	AWE	0.90742	21.00000	Oversupply
4/7/2023 5:56	1:23	BS250	Data is not available	Data is not available	Oversupply
4/7/2023 6:05	0:01	AWE	0.00041	21.00000	Oversupply
4/7/2023 6:26	0:53	SSA3	0.19614	0.01600	Oversupply
4/7/2023 6:39	0:41	17-2	0.02101	0.07100	Oversupply
4/7/2023 7:21	0:31	BS250	Data is not available	Data is not available	Oversupply
4/7/2023 7:21	0:30	KWP11	2.86458	16.45628	Oversupply
4/7/2023 7:21	0:32	17-2	0.04457	0.19900	Oversupply
4/7/2023 7:21	0:31	SSA3	0.31055	-0.00100	Oversupply
4/7/2023 8:57	7:38	17-2	2.74867	0.75000	Oversupply
4/7/2023 8:57	0:02	SSA3	0.01486	1.06100	Oversupply
4/7/2023 8:58	5:23	BS250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/7/2023 8:58	5:23	KWPPI	64.84120	20.64969	Oversupply
4/7/2023 8:59	6:54	SSA3	14.40013	-0.00300	Oversupply
4/7/2023 9:37	2:36	AWE	23.31245	21.00000	Oversupply
4/7/2023 12:16	0:01	AWE	0.02274	21.00000	Oversupply
4/7/2023 12:18	0:01	AWE	0.00241	21.00000	Oversupply
4/7/2023 12:26	1:09	AWE	7.55287	21.00000	Oversupply
4/7/2023 13:38	0:01	AWE	0.00752	21.00000	Oversupply
4/7/2023 13:41	0:01	AWE	0.00457	21.00000	Oversupply
4/7/2023 14:23	1:29	BS250	Data is not available	Data is not available	Oversupply
4/7/2023 14:23	1:29	KWPPI	12.87982	20.73851	Oversupply
4/7/2023 15:53	0:01	BS250	Data is not available	Data is not available	Oversupply
4/7/2023 15:53	0:01	KWPPI	0.02623	18.55498	Oversupply
4/7/2023 15:55	0:38	BS250	Data is not available	Data is not available	Oversupply
4/7/2023 15:55	0:38	KWPPI	2.70494	21.00696	Oversupply
4/7/2023 15:55	0:38	SSA3	0.18813	0.00500	Oversupply
4/7/2023 16:34	0:02	SSA3	0.00967	-0.00300	Oversupply
4/7/2023 23:17	7:14	KWPPI	100.19000	19.51302	Oversupply
4/7/2023 23:44	0:08	AWE	0.12727	13.50000	Oversupply
4/7/2023 23:56	0:02	AWE	0.02246	13.10000	Oversupply
4/8/2023 0:17	0:01	AWE	0.00221	12.10000	Oversupply
4/8/2023 0:27	0:09	AWE	0.16465	14.90000	Oversupply
4/8/2023 0:50	0:01	AWE	0.01122	15.90000	Oversupply
4/8/2023 1:01	0:01	AWE	0.00333	13.00000	Oversupply
4/8/2023 1:11	0:02	AWE	0.01259	14.50000	Oversupply
4/8/2023 1:15	0:01	AWE	0.00604	12.50000	Oversupply
4/8/2023 1:20	0:01	AWE	0.00575	12.50000	Oversupply
4/8/2023 1:35	0:07	AWE	0.14407	11.40000	Oversupply
4/8/2023 1:44	0:04	AWE	0.02676	10.30000	Oversupply
4/8/2023 2:28	1:04	AWE	4.16498	19.90000	Oversupply
4/8/2023 3:35	0:01	AWE	0.00739	15.70000	Oversupply
4/8/2023 3:37	0:02	AWE	0.02093	14.70000	Oversupply
4/8/2023 3:40	0:01	AWE	0.00204	12.70000	Oversupply
4/8/2023 3:51	0:01	AWE	0.00671	16.30000	Oversupply
4/8/2023 4:43	0:30	AWE	2.06147	17.70000	Oversupply
4/8/2023 5:14	0:02	AWE	0.01399	11.90000	Oversupply
4/8/2023 5:22	0:01	AWE	0.00238	12.60000	Oversupply
4/8/2023 5:48	0:01	AWE	0.00287	17.60000	Oversupply
4/8/2023 5:52	0:01	AWE	0.00589	19.20000	Oversupply
4/8/2023 5:54	0:10	AWE	0.09076	21.00000	Oversupply
4/8/2023 5:56	0:54	BS250	Data is not available	Data is not available	Oversupply
4/8/2023 6:26	0:24	SSA3	0.04395	0.02200	Oversupply
4/8/2023 6:32	0:01	KWPPI	0.00054	16.73771	Oversupply
4/8/2023 6:34	0:16	KWPPI	0.64344	17.46522	Oversupply
4/8/2023 6:43	0:08	17-2	0.00213	0.02200	Oversupply
4/8/2023 6:52	7:38	BS250	Data is not available	Data is not available	Oversupply
4/8/2023 6:52	7:39	SSA3	14.52955	-0.00200	Oversupply
4/8/2023 6:53	0:03	17-2	0.00065	0.02200	Oversupply
4/8/2023 6:54	7:36	KWPPI	88.42088	18.48413	Oversupply
4/8/2023 6:57	7:40	17-2	2.56025	0.75000	Oversupply
4/8/2023 7:46	0:01	AWE	0.00676	19.70000	Oversupply
4/8/2023 7:48	0:15	AWE	0.67846	21.00000	Oversupply
4/8/2023 8:04	0:36	AWE	1.25128	21.00000	Oversupply
4/8/2023 8:41	2:16	AWE	24.68514	21.00000	Oversupply
4/8/2023 11:19	0:04	AWE	0.08461	21.00000	Oversupply
4/8/2023 11:24	0:02	AWE	0.01479	21.00000	Oversupply
4/8/2023 11:27	0:51	AWE	4.75145	21.00000	Oversupply
4/8/2023 12:44	0:55	AWE	6.18969	20.90000	Oversupply
4/8/2023 13:42	0:11	AWE	0.41490	19.80000	Oversupply
4/8/2023 13:54	0:18	AWE	0.62316	19.00000	Oversupply
4/8/2023 14:13	0:01	AWE	0.01140	18.10000	Oversupply
4/8/2023 14:15	0:01	AWE	0.01027	18.00000	Oversupply
4/8/2023 14:18	0:05	AWE	0.10296	19.10000	Oversupply
4/8/2023 14:33	0:02	SSA3	0.02998	-0.00400	Oversupply
4/8/2023 16:22	0:54	BS250	Data is not available	Data is not available	Oversupply
4/8/2023 16:22	0:56	17-2	0.27542	0.54900	Oversupply
4/8/2023 16:22	0:54	KWPPI	3.82887	10.29890	Oversupply
4/8/2023 16:22	0:55	SSA3	0.95010	0.77200	Oversupply
4/8/2023 16:26	0:03	AWE	0.01850	15.10000	Oversupply
4/8/2023 16:30	0:03	AWE	0.03858	15.30000	Oversupply
4/8/2023 16:34	0:19	AWE	0.32994	14.50000	Oversupply
4/8/2023 17:20	0:01	17-2	0.00260	0.15600	Oversupply
4/9/2023 2:26	0:01	KWPPI	0.00963	10.84179	Oversupply
4/9/2023 2:28	0:02	KWPPI	0.02555	10.67014	Oversupply
4/9/2023 2:31	0:02	KWPPI	0.01765	9.49355	Oversupply
4/9/2023 2:35	0:04	KWPPI	0.04043	9.04846	Oversupply
4/9/2023 2:40	0:01	KWPPI	0.01425	9.10934	Oversupply
4/9/2023 6:55	0:02	SSA3	0.00448	0.07700	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/9/2023 6:56	0:03	BS250	Data is not available	Data is not available	Oversupply
4/9/2023 6:56	0:01	KWP	0.02826	14.41846	Oversupply
4/9/2023 6:56	0:06	17-2	0.00297	0.04800	Oversupply
4/9/2023 6:58	0:01	KWP	0.00801	13.92647	Oversupply
4/9/2023 6:59	0:02	SSA3	0.00548	-0.00200	Oversupply
4/9/2023 7:00	0:43	BS250	Data is not available	Data is not available	Oversupply
4/9/2023 7:00	0:39	KWP	2.18431	14.94737	Oversupply
4/9/2023 7:03	0:41	17-2	0.04902	0.25000	Oversupply
4/9/2023 7:03	9:20	SSA3	17.29563	-0.00100	Oversupply
4/9/2023 7:40	0:01	KWP	0.00980	14.01429	Oversupply
4/9/2023 7:42	0:01	KWP	0.01328	13.79873	Oversupply
4/9/2023 7:44	8:39	BS250	Data is not available	Data is not available	Oversupply
4/9/2023 7:44	8:37	KWP	113.65317	19.51402	Oversupply
4/9/2023 7:45	8:52	17-2	4.55415	0.75000	Oversupply
4/9/2023 8:05	0:10	AWE	0.36012	21.00000	Oversupply
4/9/2023 8:16	0:01	AWE	0.00124	21.00000	Oversupply
4/9/2023 9:12	0:02	AWE	0.01947	19.30000	Oversupply
4/9/2023 9:15	5:08	AWE	46.58357	21.00000	Oversupply
4/9/2023 10:34	0:04	5A	Data is not available	Data is not available	Oversupply
4/9/2023 10:34	0:04	MS	Data is not available	Data is not available	Oversupply
4/9/2023 10:39	0:09	5A	Data is not available	Data is not available	Oversupply
4/9/2023 10:39	0:09	MS	Data is not available	Data is not available	Oversupply
4/9/2023 10:49	0:19	5A	Data is not available	Data is not available	Oversupply
4/9/2023 10:49	0:19	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:09	0:02	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:09	0:02	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:12	0:02	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:12	0:02	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:16	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:16	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:20	0:03	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:20	0:03	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:24	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:24	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:24	0:01	KWP	0.00267	6.96000	Oversupply
4/9/2023 11:27	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:27	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:27	0:01	KWP	0.00267	8.40000	Oversupply
4/9/2023 11:29	0:12	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:29	0:12	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:30	0:01	KWP	0.00267	9.52000	Oversupply
4/9/2023 11:35	0:02	KWP	0.00349	6.96000	Oversupply
4/9/2023 11:38	0:03	KWP	0.01491	3.76000	Oversupply
4/9/2023 11:44	0:03	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:44	0:03	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:48	0:06	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:48	0:06	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:52	0:01	KWP	0.00004	2.96000	Oversupply
4/9/2023 11:55	0:09	5A	Data is not available	Data is not available	Oversupply
4/9/2023 11:55	0:09	MS	Data is not available	Data is not available	Oversupply
4/9/2023 11:58	0:01	KWP	0.00133	0.08000	Oversupply
4/9/2023 12:02	0:01	KWP	0.00267	1.20000	Oversupply
4/9/2023 12:06	0:02	5A	Data is not available	Data is not available	Oversupply
4/9/2023 12:06	0:02	MS	Data is not available	Data is not available	Oversupply
4/9/2023 12:16	0:02	5A	Data is not available	Data is not available	Oversupply
4/9/2023 12:16	0:02	MS	Data is not available	Data is not available	Oversupply
4/9/2023 12:17	0:01	KWP	0.00496	13.20000	Oversupply
4/9/2023 12:19	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 12:19	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 13:18	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 13:18	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 13:27	0:04	5A	Data is not available	Data is not available	Oversupply
4/9/2023 13:27	0:04	MS	Data is not available	Data is not available	Oversupply
4/9/2023 13:27	0:01	KWP	0.00267	9.04000	Oversupply
4/9/2023 13:32	0:01	5A	Data is not available	Data is not available	Oversupply
4/9/2023 13:32	0:01	MS	Data is not available	Data is not available	Oversupply
4/9/2023 13:34	0:04	5A	Data is not available	Data is not available	Oversupply
4/9/2023 13:34	0:04	MS	Data is not available	Data is not available	Oversupply
4/9/2023 13:36	0:01	KWP	0.00267	5.68000	Oversupply
4/9/2023 14:26	0:01	AWE	0.00948	20.00000	Oversupply
4/9/2023 14:28	0:44	AWE	6.13614	21.00000	Oversupply
4/9/2023 15:13	0:02	AWE	0.02559	21.00000	Oversupply
4/9/2023 16:22	0:01	KWP	0.00583	19.31842	Oversupply
4/9/2023 16:25	0:02	SSA3	0.02806	0.66500	Oversupply
4/9/2023 16:27	0:02	SSA3	0.02876	0.88400	Oversupply
4/9/2023 16:29	0:02	SSA3	0.01009	1.02800	Oversupply
4/9/2023 16:31	0:02	SSA3	0.01257	1.02000	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/9/2023 16:33	0:02	SSA3	0.01267	1.01000	Oversupply
4/9/2023 16:38	0:02	SSA3	0.01246	0.92900	Oversupply
4/9/2023 16:38	0:18	17-2	0.11737	0.51500	Oversupply
4/9/2023 16:40	0:02	SSA3	0.01267	0.98900	Oversupply
4/9/2023 16:42	0:02	SSA3	0.01257	0.44300	Oversupply
4/9/2023 16:46	0:02	SSA3	0.00962	0.66500	Oversupply
4/9/2023 16:48	0:02	SSA3	0.00970	0.39800	Oversupply
4/9/2023 16:50	0:02	SSA3	0.00954	0.30700	Oversupply
4/9/2023 16:52	0:02	SSA3	0.00962	0.46100	Oversupply
4/9/2023 16:54	0:02	SSA3	0.00954	0.33000	Oversupply
4/9/2023 17:02	0:02	SSA3	0.00674	0.85000	Oversupply
4/9/2023 17:03	0:03	17-2	0.01389	0.36000	Oversupply
4/9/2023 17:07	0:05	17-2	0.02820	0.35000	Oversupply
4/9/2023 17:27	0:05	17-2	0.01819	0.35200	Oversupply
4/9/2023 17:28	0:02	SSA3	0.00343	0.09100	Oversupply
4/9/2023 21:39	8:23	KWP	72.52239	21.10875	Oversupply
4/10/2023 5:56	0:06	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 7:09	9:02	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 7:09	8:58	KWP	168.74040	21.03091	Oversupply
4/10/2023 7:09	9:02	SSA3	18.38018	-0.00100	Oversupply
4/10/2023 7:10	9:03	17-2	4.04417	0.75000	Oversupply
4/10/2023 7:51	0:04	AWE	0.05318	21.00000	Oversupply
4/10/2023 8:05	0:07	AWE	0.14603	20.20000	Oversupply
4/10/2023 8:14	0:01	AWE	0.00606	18.50000	Oversupply
4/10/2023 8:19	7:06	AWE	103.40574	21.00000	Oversupply
4/10/2023 9:56	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 9:56	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:00	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:00	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:04	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:04	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:06	0:10	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:06	0:10	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:13	0:01	KWP	0.00267	19.76000	Oversupply
4/10/2023 10:17	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:17	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:19	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:19	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:25	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:25	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:31	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:31	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:34	0:07	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:34	0:07	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:45	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:45	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:48	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:48	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:50	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:50	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:51	0:01	KWP	0.00800	17.36000	Oversupply
4/10/2023 10:54	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:54	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 10:56	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 10:56	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:00	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:00	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:07	0:04	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:07	0:04	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:12	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:12	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:16	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:16	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:20	0:05	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:20	0:05	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:24	0:01	KWP	0.00267	5.84000	Oversupply
4/10/2023 11:28	0:05	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:28	0:05	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:31	0:01	KWP	0.00267	9.84000	Oversupply
4/10/2023 11:35	0:04	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:35	0:04	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:45	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:45	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:49	0:04	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:49	0:04	MS	Data is not available	Data is not available	Oversupply
4/10/2023 11:55	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 11:55	0:03	MS	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/10/2023 12:00	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:00	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:02	0:06	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:02	0:06	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:03	0:01	KWP	0.00267	12.40000	Oversupply
4/10/2023 12:09	0:09	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:09	0:09	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:10	0:04	KWP	0.01067	9.68000	Oversupply
4/10/2023 12:19	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:19	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:21	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:21	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:28	0:04	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:28	0:04	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:30	0:02	KWP	0.01067	8.40000	Oversupply
4/10/2023 12:33	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:33	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:39	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:39	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:39	0:01	KWP	0.00533	9.20000	Oversupply
4/10/2023 12:50	0:10	5A	Data is not available	Data is not available	Oversupply
4/10/2023 12:50	0:10	MS	Data is not available	Data is not available	Oversupply
4/10/2023 12:56	0:01	KWP	0.00533	11.60000	Oversupply
4/10/2023 13:07	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:07	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:13	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:13	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:18	0:11	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:18	0:11	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:27	0:01	KWP	0.00267	10.32000	Oversupply
4/10/2023 13:30	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:30	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:36	0:07	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:36	0:07	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:37	0:01	KWP	0.00267	11.92000	Oversupply
4/10/2023 13:42	0:01	KWP	0.00267	7.28000	Oversupply
4/10/2023 13:49	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:49	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:51	0:02	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:51	0:02	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:51	0:02	KWP	0.00533	14.64000	Oversupply
4/10/2023 13:57	0:04	5A	Data is not available	Data is not available	Oversupply
4/10/2023 13:57	0:04	MS	Data is not available	Data is not available	Oversupply
4/10/2023 13:58	0:01	KWP	0.00267	16.40000	Oversupply
4/10/2023 14:02	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 14:02	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 14:03	0:01	KWP	0.00267	14.48000	Oversupply
4/10/2023 14:06	0:01	5A	Data is not available	Data is not available	Oversupply
4/10/2023 14:06	0:01	MS	Data is not available	Data is not available	Oversupply
4/10/2023 14:09	0:03	5A	Data is not available	Data is not available	Oversupply
4/10/2023 14:09	0:03	MS	Data is not available	Data is not available	Oversupply
4/10/2023 16:08	0:03	KWP	0.04118	21.01694	Oversupply
4/10/2023 16:18	0:02	SSA3	0.03957	1.01300	Oversupply
4/10/2023 16:19	0:59	17-2	0.34806	0.52700	Oversupply
4/10/2023 16:20	0:04	SSA3	0.07915	0.22600	Oversupply
4/10/2023 16:21	0:03	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:21	0:02	KWP	0.02507	20.90716	Oversupply
4/10/2023 16:24	0:02	SSA3	0.03990	0.25200	Oversupply
4/10/2023 16:26	0:02	SSA3	0.03990	0.47900	Oversupply
4/10/2023 16:28	0:08	SSA3	0.11005	0.03200	Oversupply
4/10/2023 16:30	0:05	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:30	0:05	KWP	0.10209	20.99099	Oversupply
4/10/2023 16:36	0:08	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:36	0:03	KWP	0.01316	20.93910	Oversupply
4/10/2023 16:36	0:02	SSA3	0.02237	0.07400	Oversupply
4/10/2023 16:38	0:06	SSA3	0.06786	-0.00100	Oversupply
4/10/2023 16:40	0:02	KWP	0.02929	20.58882	Oversupply
4/10/2023 16:44	0:02	SSA3	0.01862	0.23100	Oversupply
4/10/2023 16:46	0:01	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:46	0:02	SSA3	0.02928	0.14800	Oversupply
4/10/2023 16:48	0:02	SSA3	0.02977	0.00400	Oversupply
4/10/2023 16:49	0:01	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:50	0:02	SSA3	0.02953	0.23700	Oversupply
4/10/2023 16:51	0:05	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 16:51	0:01	KWP	0.00889	20.82034	Oversupply
4/10/2023 16:52	0:04	SSA3	0.05905	-0.00100	Oversupply
4/10/2023 16:53	0:03	KWP	0.03592	20.96904	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/10/2023 16:56	0:02	SSA3	0.02977	0.29800	Oversupply
4/10/2023 17:00	0:04	SSA3	0.03231	0.01600	Oversupply
4/10/2023 17:01	0:04	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 17:01	0:03	KWP	0.01881	20.94409	Oversupply
4/10/2023 17:04	0:02	SSA3	0.01635	0.13300	Oversupply
4/10/2023 17:06	0:02	SSA3	0.01622	0.16200	Oversupply
4/10/2023 17:08	0:01	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 17:08	0:01	KWP	0.01070	20.95008	Oversupply
4/10/2023 17:08	0:02	SSA3	0.01622	0.27300	Oversupply
4/10/2023 17:10	0:01	BS250	Data is not available	Data is not available	Oversupply
4/10/2023 17:10	0:01	KWP	0.00748	20.88920	Oversupply
4/10/2023 17:10	0:02	SSA3	0.01609	0.00500	Oversupply
4/10/2023 17:12	0:02	SSA3	0.01622	0.67000	Oversupply
4/10/2023 17:15	0:02	SSA3	0.00630	0.71100	Oversupply
4/10/2023 17:17	0:02	SSA3	0.00630	0.70000	Oversupply
4/10/2023 17:19	0:02	SSA3	0.00630	0.64200	Oversupply
4/10/2023 17:19	0:02	17-2	0.00795	0.24300	Oversupply
4/10/2023 17:23	0:01	17-2	0.00430	0.25800	Oversupply
4/10/2023 17:23	0:02	SSA3	0.00645	0.18400	Oversupply
4/10/2023 17:37	0:01	17-2	0.00253	0.15700	Oversupply
4/10/2023 17:41	0:01	17-2	0.00263	0.16300	Oversupply
4/10/2023 22:13	8:07	KWP	134.74878	20.91215	Oversupply
4/11/2023 0:18	0:03	AWE	0.01644	20.00000	Oversupply
4/11/2023 0:23	0:02	AWE	0.00445	19.10000	Oversupply
4/11/2023 0:28	0:01	AWE	0.01156	18.80000	Oversupply
4/11/2023 0:30	0:01	AWE	0.01590	19.00000	Oversupply
4/11/2023 0:50	0:01	AWE	0.00372	16.20000	Oversupply
4/11/2023 0:52	4:15	AWE	21.95538	20.80000	Oversupply
4/11/2023 5:56	0:26	BS250	Data is not available	Data is not available	Oversupply
4/11/2023 6:59	0:01	17-2	0.00017	0.01800	Oversupply
4/11/2023 6:59	0:02	SSA3	0.00272	0.18100	Oversupply
4/11/2023 7:03	0:02	BS250	Data is not available	Data is not available	Oversupply
4/11/2023 7:03	0:02	SSA3	0.00375	0.00000	Oversupply
4/11/2023 7:04	0:02	17-2	0.00033	0.01800	Oversupply
4/11/2023 7:13	0:25	BS250	Data is not available	Data is not available	Oversupply
4/11/2023 7:13	9:31	17-2	4.38362	0.75000	Oversupply
4/11/2023 7:13	0:24	SSA3	0.21034	-0.00100	Oversupply
4/11/2023 7:16	0:01	KWP	0.00449	20.96305	Oversupply
4/11/2023 7:19	0:01	KWP	0.00718	20.95307	Oversupply
4/11/2023 7:21	0:16	KWP	0.64504	20.95606	Oversupply
4/11/2023 7:39	8:58	BS250	Data is not available	Data is not available	Oversupply
4/11/2023 7:40	8:57	KWP	163.88458	20.95008	Oversupply
4/11/2023 7:40	9:02	SSA3	18.31594	0.00100	Oversupply
4/11/2023 8:42	0:05	AWE	0.09453	20.30000	Oversupply
4/11/2023 8:48	6:55	AWE	106.99944	21.00000	Oversupply
4/11/2023 10:25	0:06	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:25	0:06	MS	Data is not available	Data is not available	Oversupply
4/11/2023 10:27	0:01	KWP	0.00267	21.36000	Oversupply
4/11/2023 10:29	0:01	KWP	0.00164	19.76000	Oversupply
4/11/2023 10:33	0:02	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:33	0:02	MS	Data is not available	Data is not available	Oversupply
4/11/2023 10:38	0:07	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:38	0:07	MS	Data is not available	Data is not available	Oversupply
4/11/2023 10:48	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:48	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 10:51	0:05	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:51	0:05	MS	Data is not available	Data is not available	Oversupply
4/11/2023 10:58	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 10:58	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:03	0:09	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:03	0:09	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:07	0:01	KWP	0.00154	18.48000	Oversupply
4/11/2023 11:09	0:01	KWP	0.00267	17.52000	Oversupply
4/11/2023 11:13	0:04	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:13	0:04	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:18	0:07	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:18	0:07	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:21	0:01	KWP	0.00267	15.12000	Oversupply
4/11/2023 11:23	0:02	KWP	0.00800	12.56000	Oversupply
4/11/2023 11:26	0:04	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:26	0:04	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:33	0:05	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:33	0:05	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:35	0:01	KWP	0.00267	13.20000	Oversupply
4/11/2023 11:39	0:02	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:39	0:02	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:42	0:01	5A	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/11/2023 11:42	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:44	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:44	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:47	0:03	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:47	0:03	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:52	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:52	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:54	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:54	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 11:57	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 11:57	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:04	0:06	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:04	0:06	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:06	0:01	KWP	0.00482	17.04000	Oversupply
4/11/2023 12:11	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:11	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:13	0:06	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:13	0:06	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:20	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:20	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:22	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:22	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:28	0:08	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:28	0:08	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:37	0:03	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:37	0:03	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:42	0:02	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:42	0:02	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:45	0:03	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:45	0:03	MS	Data is not available	Data is not available	Oversupply
4/11/2023 12:52	0:02	5A	Data is not available	Data is not available	Oversupply
4/11/2023 12:52	0:02	MS	Data is not available	Data is not available	Oversupply
4/11/2023 13:15	0:09	5A	Data is not available	Data is not available	Oversupply
4/11/2023 13:15	0:09	MS	Data is not available	Data is not available	Oversupply
4/11/2023 13:15	0:02	KWP	0.00488	22.16000	Oversupply
4/11/2023 13:25	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 13:25	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 13:27	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 13:27	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 13:29	0:05	5A	Data is not available	Data is not available	Oversupply
4/11/2023 13:29	0:05	MS	Data is not available	Data is not available	Oversupply
4/11/2023 13:35	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 13:35	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 14:08	0:07	5A	Data is not available	Data is not available	Oversupply
4/11/2023 14:08	0:07	MS	Data is not available	Data is not available	Oversupply
4/11/2023 14:16	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 14:16	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 14:20	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 14:20	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 14:23	0:02	5A	Data is not available	Data is not available	Oversupply
4/11/2023 14:23	0:02	MS	Data is not available	Data is not available	Oversupply
4/11/2023 14:27	0:01	5A	Data is not available	Data is not available	Oversupply
4/11/2023 14:27	0:01	MS	Data is not available	Data is not available	Oversupply
4/11/2023 16:38	0:04	BS250	Data is not available	Data is not available	Oversupply
4/11/2023 16:39	0:01	KWP	0.00287	19.39626	Oversupply
4/11/2023 16:56	0:05	17-2	0.02196	0.38700	Oversupply
4/11/2023 16:56	0:02	SSA3	0.01090	0.44400	Oversupply
4/11/2023 16:58	0:02	SSA3	0.01074	0.47000	Oversupply
4/11/2023 17:02	0:04	17-2	0.02462	0.44400	Oversupply
4/11/2023 17:02	0:02	SSA3	0.00890	0.25100	Oversupply
4/11/2023 17:07	0:01	17-2	0.00253	0.15200	Oversupply
4/11/2023 17:14	0:01	17-2	0.00572	0.34300	Oversupply
4/11/2023 22:08	0:01	KWP	0.00394	20.92513	Oversupply
4/11/2023 22:10	0:02	KWP	0.00613	20.91714	Oversupply
4/11/2023 22:15	0:03	KWP	0.01867	20.85228	Oversupply
4/11/2023 22:22	0:07	KWP	0.12378	20.93012	Oversupply
4/11/2023 22:30	7:51	KWP	123.14891	20.93810	Oversupply
4/12/2023 0:00	0:01	AWE	0.00057	21.00000	Oversupply
4/12/2023 0:05	0:01	AWE	0.00674	21.00000	Oversupply
4/12/2023 0:08	0:06	AWE	0.11181	21.00000	Oversupply
4/12/2023 0:16	0:02	AWE	0.00415	21.00000	Oversupply
4/12/2023 0:21	4:40	AWE	34.49934	21.00000	Oversupply
4/12/2023 5:02	0:01	AWE	0.00007	21.00000	Oversupply
4/12/2023 5:56	10:40	BS250	Data is not available	Data is not available	Oversupply
4/12/2023 6:22	0:02	KWP	0.01458	19.33738	Oversupply
4/12/2023 6:23	10:13	SSA3	18.83336	0.02200	Oversupply
4/12/2023 6:27	0:01	KWP	0.00851	19.40125	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/12/2023 6:29	10:07	KWP	147.67807	20.94509	Oversupply
4/12/2023 7:12	9:25	17-2	5.54840	0.75000	Oversupply
4/12/2023 7:34	0:03	AWE	0.02127	21.00000	Oversupply
4/12/2023 8:59	7:32	AWE	143.93745	21.00000	System Constraint
4/12/2023 9:35	0:12	5A	Data is not available	Data is not available	Oversupply
4/12/2023 9:35	0:12	MS	Data is not available	Data is not available	Oversupply
4/12/2023 9:48	0:16	5A	Data is not available	Data is not available	Oversupply
4/12/2023 9:48	0:16	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:05	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:05	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:07	0:09	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:07	0:09	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:17	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:17	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:19	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:19	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:21	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:21	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:23	0:10	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:23	0:10	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:34	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:34	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:37	0:07	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:37	0:07	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:40	0:01	KWP	0.00267	10.00000	Oversupply
4/12/2023 10:45	0:12	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:45	0:12	MS	Data is not available	Data is not available	Oversupply
4/12/2023 10:48	0:01	KWP	0.00256	9.36000	Oversupply
4/12/2023 10:56	0:01	KWP	0.00267	8.72000	Oversupply
4/12/2023 10:58	0:09	5A	Data is not available	Data is not available	Oversupply
4/12/2023 10:58	0:09	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:01	0:01	KWP	0.00267	6.16000	Oversupply
4/12/2023 11:06	0:01	KWP	0.00533	6.80000	Oversupply
4/12/2023 11:08	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:08	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:10	0:05	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:10	0:05	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:16	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:16	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:19	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:19	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:19	0:01	KWP	0.00267	4.72000	Oversupply
4/12/2023 11:21	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:21	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:24	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:24	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:26	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:26	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:29	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:29	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:31	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:31	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:34	0:06	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:34	0:06	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:41	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:41	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:46	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:46	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:49	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:49	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:53	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:53	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:55	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:55	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 11:58	0:07	5A	Data is not available	Data is not available	Oversupply
4/12/2023 11:58	0:07	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:06	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:06	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:08	0:04	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:08	0:04	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:11	0:01	KWP	0.00092	7.92000	Oversupply
4/12/2023 12:13	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:13	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:14	0:01	KWP	0.00267	10.64000	Oversupply
4/12/2023 12:16	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:16	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:18	0:02	5A	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/12/2023 12:18	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:21	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:21	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:21	0:01	KWP	0.00239	7.60000	Oversupply
4/12/2023 12:23	0:05	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:23	0:05	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:29	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:29	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:32	0:04	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:32	0:04	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:47	0:05	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:47	0:05	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:48	0:01	KWP	0.00267	17.04000	Oversupply
4/12/2023 12:50	0:01	KWP	0.00683	16.40000	Oversupply
4/12/2023 12:53	0:03	5A	Data is not available	Data is not available	Oversupply
4/12/2023 12:53	0:03	MS	Data is not available	Data is not available	Oversupply
4/12/2023 12:54	0:01	KWP	0.00267	16.24000	Oversupply
4/12/2023 13:04	0:03	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:04	0:03	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:05	0:01	KWP	0.00267	19.76000	Oversupply
4/12/2023 13:08	0:03	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:08	0:03	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:18	0:05	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:18	0:05	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:28	0:05	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:28	0:05	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:31	0:01	KWP	0.00533	17.04000	Oversupply
4/12/2023 13:34	0:04	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:34	0:04	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:34	0:04	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:39	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:39	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:41	0:03	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:41	0:03	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:49	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:49	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:50	0:01	KWP	0.00267	19.28000	Oversupply
4/12/2023 13:52	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:52	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:55	0:03	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:55	0:03	MS	Data is not available	Data is not available	Oversupply
4/12/2023 13:59	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 13:59	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 14:06	0:02	5A	Data is not available	Data is not available	Oversupply
4/12/2023 14:06	0:02	MS	Data is not available	Data is not available	Oversupply
4/12/2023 14:07	0:01	KWP	0.00267	18.64000	Oversupply
4/12/2023 14:35	0:01	5A	Data is not available	Data is not available	Oversupply
4/12/2023 14:35	0:01	MS	Data is not available	Data is not available	Oversupply
4/12/2023 16:39	0:01	17-2	0.00006	0.27800	Oversupply
4/13/2023 1:13	0:09	AWE	0.10788	21.00000	Oversupply
4/13/2023 9:51	0:01	17-2	0.00006	0.32100	Oversupply
4/13/2023 9:53	0:38	17-2	0.18764	0.35900	Oversupply
4/13/2023 9:53	0:02	SSA3	0.02830	1.27500	Oversupply
4/13/2023 9:55	0:02	SSA3	0.02853	1.40500	Oversupply
4/13/2023 9:57	0:02	SSA3	0.02830	1.45000	Oversupply
4/13/2023 9:59	0:02	SSA3	0.04233	0.26400	Oversupply
4/13/2023 10:01	0:06	SSA3	0.19523	0.04600	Oversupply
4/13/2023 10:02	0:06	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 10:03	0:04	AWE	0.05770	21.00000	Oversupply
4/13/2023 10:07	0:02	SSA3	0.06490	0.16000	Oversupply
4/13/2023 10:09	0:02	SSA3	0.06383	0.73700	Oversupply
4/13/2023 10:11	0:02	SSA3	0.06437	1.37200	Oversupply
4/13/2023 10:13	0:02	SSA3	0.06257	1.12800	Oversupply
4/13/2023 10:15	0:02	SSA3	0.05781	1.06700	Oversupply
4/13/2023 10:17	0:02	SSA3	0.05828	0.45400	Oversupply
4/13/2023 10:20	0:02	SSA3	0.05733	0.55200	Oversupply
4/13/2023 10:22	0:02	SSA3	0.05828	0.19800	Oversupply
4/13/2023 10:24	0:02	SSA3	0.05781	0.36200	Oversupply
4/13/2023 10:26	0:02	SSA3	0.05781	1.04700	Oversupply
4/13/2023 10:28	0:02	SSA3	0.05653	0.95200	Oversupply
4/13/2023 11:01	0:09	17-2	0.06890	0.75000	Oversupply
4/13/2023 11:02	0:02	SSA3	0.03491	2.10800	Oversupply
4/13/2023 11:04	0:02	SSA3	0.03462	1.97700	Oversupply
4/13/2023 11:06	0:02	SSA3	0.03462	1.64200	Oversupply
4/13/2023 11:15	1:05	17-2	0.74323	0.75000	Oversupply
4/13/2023 11:16	0:02	SSA3	0.08633	1.93600	Oversupply
4/13/2023 11:18	0:02	SSA3	0.08633	0.80600	Oversupply
4/13/2023 11:20	0:16	SSA3	0.69110	0.01000	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/13/2023 11:21	0:14	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 11:21	0:14	AWE	0.46039	21.00000	Oversupply
4/13/2023 11:36	0:02	SSA3	0.08240	-0.00300	Oversupply
4/13/2023 11:38	0:04	SSA3	0.16618	-0.00300	Oversupply
4/13/2023 11:39	0:37	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 11:41	0:01	AWE	0.00057	21.00000	Oversupply
4/13/2023 11:42	0:02	SSA3	0.08309	-0.00400	Oversupply
4/13/2023 11:43	0:01	AWE	0.00074	21.00000	Oversupply
4/13/2023 11:44	0:32	SSA3	1.46465	-0.00400	Oversupply
4/13/2023 11:45	0:31	AWE	3.24924	21.00000	Oversupply
4/13/2023 11:48	0:06	KWPPI	0.04988	1.24046	Oversupply
4/13/2023 11:55	0:15	KWPPI	0.31754	1.73445	Oversupply
4/13/2023 12:17	0:02	SSA3	0.02484	-0.00400	Oversupply
4/13/2023 13:46	1:46	17-2	1.20274	0.75000	Oversupply
4/13/2023 13:46	0:02	SSA3	0.04532	1.54700	Oversupply
4/13/2023 13:48	0:02	SSA3	0.04570	1.80300	Oversupply
4/13/2023 13:50	0:02	SSA3	0.04570	1.82500	Oversupply
4/13/2023 13:52	0:02	SSA3	0.04570	1.58200	Oversupply
4/13/2023 13:54	0:02	SSA3	0.04608	1.25200	Oversupply
4/13/2023 13:56	1:11	SSA3	2.79626	0.00600	Oversupply
4/13/2023 13:57	0:20	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 13:57	0:20	KWPPI	0.47574	2.37613	Oversupply
4/13/2023 14:00	0:13	AWE	0.59815	21.00000	Oversupply
4/13/2023 14:19	0:35	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 14:19	0:35	KWPPI	0.92262	3.64852	Oversupply
4/13/2023 14:30	0:23	AWE	0.73082	21.00000	Oversupply
4/13/2023 14:55	0:09	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 14:55	0:09	KWPPI	0.13042	1.51689	Oversupply
4/13/2023 14:58	0:04	AWE	0.02839	21.00000	Oversupply
4/13/2023 15:05	0:01	BS250	Data is not available	Data is not available	Oversupply
4/13/2023 15:05	0:01	KWPPI	0.00280	1.12969	Oversupply
4/13/2023 15:07	0:02	SSA3	0.05187	0.53700	Oversupply
4/13/2023 15:09	0:02	SSA3	0.05187	0.96200	Oversupply
4/13/2023 15:11	0:02	SSA3	0.05144	1.45200	Oversupply
4/13/2023 15:13	0:02	SSA3	0.04982	1.43000	Oversupply
4/13/2023 15:15	0:02	SSA3	0.02283	1.24700	Oversupply
4/13/2023 15:17	0:02	SSA3	0.02264	0.85000	Oversupply
4/13/2023 15:19	0:02	SSA3	0.02264	1.08800	Oversupply
4/13/2023 15:21	0:02	SSA3	0.02264	0.87400	Oversupply
4/13/2023 15:23	0:02	SSA3	0.02264	1.24700	Oversupply
4/13/2023 15:27	0:02	SSA3	0.02246	1.31200	Oversupply
4/13/2023 15:29	0:02	SSA3	0.01726	1.41700	Oversupply
4/13/2023 22:38	0:02	KWPPI	0.01234	17.61391	Oversupply
4/13/2023 22:49	0:02	KWPPI	0.00887	18.68971	Oversupply
4/13/2023 23:15	0:02	KWPPI	0.01345	14.70886	Oversupply
4/13/2023 23:18	0:01	KWPPI	0.00996	12.70996	Oversupply
4/13/2023 23:22	0:01	KWPPI	0.00418	11.20504	Oversupply
4/13/2023 23:28	0:01	KWPPI	0.01401	12.38962	Oversupply
4/14/2023 0:57	0:02	KWPPI	0.02557	8.89078	Oversupply
4/14/2023 1:01	0:01	KWPPI	0.00398	7.71120	Oversupply
4/14/2023 1:03	0:01	KWPPI	0.00689	8.63331	Oversupply
4/14/2023 1:06	4:05	KWPPI	53.61378	19.44616	Oversupply
4/14/2023 1:25	0:27	AWE	1.27388	16.60000	Oversupply
4/14/2023 1:53	0:03	AWE	0.03705	8.50000	Oversupply
4/14/2023 1:57	0:01	AWE	0.01299	8.10000	Oversupply
4/14/2023 2:01	0:38	AWE	1.27643	10.40000	Oversupply
4/14/2023 2:44	0:02	AWE	0.00079	6.00000	Oversupply
4/14/2023 2:49	0:01	AWE	0.00385	5.60000	Oversupply
4/14/2023 2:51	0:03	AWE	0.01612	5.60000	Oversupply
4/14/2023 2:55	0:01	AWE	0.00152	5.60000	Oversupply
4/14/2023 2:58	0:02	AWE	0.01571	6.60000	Oversupply
4/14/2023 3:26	0:01	AWE	0.01036	7.60000	Oversupply
4/14/2023 3:28	0:10	AWE	0.34123	8.90000	Oversupply
4/14/2023 3:39	0:03	AWE	0.09089	8.00000	Oversupply
4/14/2023 3:43	0:03	AWE	0.02756	6.60000	Oversupply
4/14/2023 3:47	0:17	AWE	0.80776	12.00000	Oversupply
4/14/2023 5:12	0:06	KWPPI	0.15498	19.34736	Oversupply
4/14/2023 5:19	0:09	KWPPI	0.11325	19.40524	Oversupply
4/14/2023 7:22	0:02	SSA3	0.01349	0.32700	Oversupply
4/14/2023 7:23	0:02	BS250	Data is not available	Data is not available	Oversupply
4/14/2023 7:23	0:02	KWPPI	0.00899	20.18864	Oversupply
4/14/2023 7:23	0:10	17-2	0.01143	0.10300	Oversupply
4/14/2023 7:24	0:08	SSA3	0.06419	0.00400	Oversupply
4/14/2023 7:26	0:07	BS250	Data is not available	Data is not available	Oversupply
4/14/2023 7:26	0:07	KWPPI	0.13515	20.16768	Oversupply
4/14/2023 7:34	0:15	BS250	Data is not available	Data is not available	Oversupply
4/14/2023 7:34	0:15	KWPPI	0.51955	20.48603	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/14/2023 7:34	7:47	17-2	4.30728	0.75000	Oversupply
4/14/2023 7:34	7:29	SSA3	17.44311	0.12000	Oversupply
4/14/2023 7:50	7:14	BS250	Data is not available	Data is not available	Oversupply
4/14/2023 7:50	7:14	KWP	92.98137	19.49506	Oversupply
4/14/2023 9:40	0:03	AWE	0.03941	7.00000	Oversupply
4/14/2023 9:44	0:01	AWE	0.00885	4.40000	Oversupply
4/14/2023 9:47	0:02	AWE	0.01070	3.20000	Oversupply
4/14/2023 9:58	0:05	AWE	0.07670	4.80000	Oversupply
4/14/2023 10:05	0:06	AWE	0.16059	5.10000	Oversupply
4/14/2023 10:07	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:07	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:09	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:09	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:09	0:01	KWP	0.00267	19.28000	Oversupply
4/14/2023 10:12	3:11	AWE	7.59364	6.00000	Oversupply
4/14/2023 10:14	0:04	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:14	0:04	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:16	0:01	KWP	0.00267	18.48000	Oversupply
4/14/2023 10:19	0:07	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:19	0:07	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:25	0:01	KWP	0.00533	14.96000	Oversupply
4/14/2023 10:27	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:27	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:30	0:13	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:30	0:13	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:33	0:01	KWP	0.00267	15.44000	Oversupply
4/14/2023 10:40	0:01	KWP	0.00267	12.08000	Oversupply
4/14/2023 10:45	0:07	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:45	0:07	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:53	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:53	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:55	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:55	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 10:55	0:01	KWP	0.00267	8.88000	Oversupply
4/14/2023 10:58	0:04	5A	Data is not available	Data is not available	Oversupply
4/14/2023 10:58	0:04	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:03	0:03	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:03	0:03	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:07	0:03	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:07	0:03	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:11	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:11	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:13	0:03	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:13	0:03	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:14	0:01	KWP	0.00267	7.12000	Oversupply
4/14/2023 11:18	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:18	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:19	0:01	KWP	0.00267	7.28000	Oversupply
4/14/2023 11:21	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:21	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:24	0:18	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:24	0:18	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:28	0:01	KWP	0.00029	8.24000	Oversupply
4/14/2023 11:35	0:01	KWP	0.00274	6.64000	Oversupply
4/14/2023 11:43	0:03	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:43	0:03	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:47	0:12	5A	Data is not available	Data is not available	Oversupply
4/14/2023 11:47	0:12	MS	Data is not available	Data is not available	Oversupply
4/14/2023 11:47	0:02	KWP	0.00533	5.68000	Oversupply
4/14/2023 11:53	0:01	KWP	0.00146	5.36000	Oversupply
4/14/2023 11:58	0:01	KWP	0.00133	4.88000	Oversupply
4/14/2023 12:01	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:01	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:04	0:08	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:04	0:08	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:07	0:01	KWP	0.00533	6.32000	Oversupply
4/14/2023 12:13	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:13	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:15	0:05	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:15	0:05	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:21	0:06	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:21	0:06	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:23	0:01	KWP	0.00157	4.24000	Oversupply
4/14/2023 12:31	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:31	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:34	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:34	0:01	MS	Data is not available	Data is not available	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
4/14/2023 12:47	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:47	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:53	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:53	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 12:56	0:02	5A	Data is not available	Data is not available	Oversupply
4/14/2023 12:56	0:02	MS	Data is not available	Data is not available	Oversupply
4/14/2023 13:10	0:06	5A	Data is not available	Data is not available	Oversupply
4/14/2023 13:10	0:06	MS	Data is not available	Data is not available	Oversupply
4/14/2023 13:14	0:01	KWP	0.00311	5.20000	Oversupply
4/14/2023 13:26	0:01	AWE	0.00668	3.20000	Oversupply
4/14/2023 13:28	0:01	AWE	0.00001	3.00000	Oversupply
4/14/2023 13:31	0:08	AWE	0.13425	3.60000	Oversupply
4/14/2023 13:34	0:01	5A	Data is not available	Data is not available	Oversupply
4/14/2023 13:34	0:01	MS	Data is not available	Data is not available	Oversupply
4/14/2023 13:49	0:01	AWE	0.00551	3.20000	Oversupply
4/14/2023 14:00	0:02	AWE	0.01651	2.40000	Oversupply
4/14/2023 15:04	0:02	SSA3	0.05930	0.18900	Oversupply
4/14/2023 15:06	0:02	SSA3	0.06029	0.75700	Oversupply
4/14/2023 15:08	0:02	SSA3	0.05980	0.75300	Oversupply
4/14/2023 15:10	0:02	SSA3	0.05980	1.01800	Oversupply
4/14/2023 15:12	0:02	SSA3	0.06029	1.16100	Oversupply
4/14/2023 15:14	0:06	BS250	Data is not available	Data is not available	Oversupply
4/14/2023 15:14	0:03	KWP	0.09351	18.23963	Oversupply
4/14/2023 15:14	0:06	SSA3	0.13834	0.01700	Oversupply
4/14/2023 15:18	0:02	KWP	0.07261	18.23264	Oversupply
4/14/2023 15:20	0:02	SSA3	0.03840	0.00100	Oversupply
4/14/2023 15:22	0:01	17-2	0.01250	0.75000	Oversupply
4/14/2023 15:24	0:04	17-2	0.02268	0.41800	Oversupply
4/14/2023 15:24	0:02	SSA3	0.03777	0.21100	Oversupply
4/14/2023 15:26	0:02	SSA3	0.03840	0.87900	Oversupply
4/14/2023 15:29	0:02	17-2	0.00976	0.64300	Oversupply
4/14/2023 15:57	0:01	17-2	0.00041	0.75000	Oversupply
4/14/2023 23:53	0:01	KWP	0.00102	16.42834	Oversupply
4/15/2023 0:02	0:01	KWP	0.00902	19.63477	Oversupply
4/15/2023 0:04	0:10	KWP	0.27984	19.03600	Oversupply
4/15/2023 0:15	0:01	KWP	0.01371	17.86140	Oversupply
4/15/2023 0:17	0:38	KWP	1.58733	17.94424	Oversupply
4/15/2023 0:56	0:01	KWP	0.00974	15.54415	Oversupply
4/15/2023 1:06	0:17	KWP	0.85223	16.64190	Oversupply
4/15/2023 1:25	0:01	KWP	0.02207	16.49520	Oversupply
4/15/2023 1:27	0:06	KWP	0.08559	16.19582	Oversupply
4/15/2023 4:45	0:05	KWP	0.03429	17.54306	Oversupply
4/15/2023 4:51	0:01	KWP	0.00687	17.48318	Oversupply
4/15/2023 5:23	0:49	KWP	4.24872	20.34631	Oversupply
4/15/2023 5:56	0:18	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:15	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:38	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:38	0:01	KWP	0.00744	18.47615	Oversupply
4/15/2023 6:38	0:02	SSA3	0.00271	0.04400	Oversupply
4/15/2023 6:42	0:02	17-2	0.00053	0.02200	Oversupply
4/15/2023 6:43	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:43	0:01	KWP	0.00439	17.41931	Oversupply
4/15/2023 6:48	0:03	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:48	0:04	17-2	0.00247	0.04300	Oversupply
4/15/2023 6:48	0:03	KWP	0.02623	16.93430	Oversupply
4/15/2023 6:48	0:06	SSA3	0.02253	0.00000	Oversupply
4/15/2023 6:52	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 6:52	0:01	KWP	0.01741	16.73671	Oversupply
4/15/2023 6:53	0:01	17-2	0.00043	0.03200	Oversupply
4/15/2023 6:54	0:02	SSA3	0.00745	0.12400	Oversupply
4/15/2023 6:56	0:01	17-2	0.00080	0.05400	Oversupply
4/15/2023 7:01	0:02	17-2	0.00083	0.03100	Oversupply
4/15/2023 7:08	1:54	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 7:08	1:54	KWP	15.51936	20.23554	Oversupply
4/15/2023 7:08	1:56	17-2	0.22981	0.32500	Oversupply
4/15/2023 7:08	1:53	SSA3	1.96286	0.00300	Oversupply
4/15/2023 9:02	0:02	SSA3	0.03113	-0.00200	Oversupply
4/15/2023 9:25	0:01	17-2	0.00422	0.25300	Oversupply
4/15/2023 9:26	0:02	SSA3	0.02038	1.39000	Oversupply
4/15/2023 9:27	1:23	17-2	0.58631	0.75000	Oversupply
4/15/2023 9:28	0:02	SSA3	0.02534	1.40800	Oversupply
4/15/2023 9:30	0:02	SSA3	0.05641	1.41100	Oversupply
4/15/2023 9:32	0:02	SSA3	0.05594	1.43000	Oversupply
4/15/2023 9:34	0:02	SSA3	0.05641	1.17900	Oversupply
4/15/2023 9:36	0:55	SSA3	2.07733	0.03000	Oversupply
4/15/2023 9:39	0:04	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 9:39	0:04	KWP	0.11576	10.16817	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
4/15/2023 9:44	0:47	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 9:44	0:47	KWPPI	3.15115	9.04646	Oversupply
4/15/2023 10:12	0:04	5A	Data is not available	Data is not available	Oversupply
4/15/2023 10:12	0:04	MS	Data is not available	Data is not available	Oversupply
4/15/2023 10:16	0:06	AWE	0.00880	0.10000	Oversupply
4/15/2023 10:17	0:09	5A	Data is not available	Data is not available	Oversupply
4/15/2023 10:17	0:09	MS	Data is not available	Data is not available	Oversupply
4/15/2023 10:23	0:03	AWE	0.00667	0.20000	Oversupply
4/15/2023 10:31	0:02	SSA3	0.04840	-0.00200	Oversupply
4/15/2023 10:33	0:02	SSA3	0.05040	-0.00200	Oversupply
4/15/2023 10:35	0:02	SSA3	0.04840	0.78300	Oversupply
4/15/2023 10:37	0:02	SSA3	0.04840	1.77800	Oversupply
4/15/2023 10:39	0:02	SSA3	0.04880	1.75700	Oversupply
4/15/2023 10:43	0:02	SSA3	0.04512	1.80300	Oversupply
4/15/2023 10:57	0:01	17-2	0.00271	0.61400	Oversupply
4/15/2023 10:59	0:02	SSA3	0.05751	1.89600	Oversupply
4/15/2023 11:00	1:27	17-2	0.77080	0.75000	Oversupply
4/15/2023 11:01	0:02	SSA3	0.07209	1.51300	Oversupply
4/15/2023 11:03	0:02	SSA3	0.07092	1.00000	Oversupply
4/15/2023 11:05	0:02	SSA3	0.07033	0.15800	Oversupply
4/15/2023 11:07	0:02	SSA3	0.07092	0.43400	Oversupply
4/15/2023 11:09	0:02	SSA3	0.07092	0.63500	Oversupply
4/15/2023 11:11	0:02	SSA3	0.07151	0.59400	Oversupply
4/15/2023 11:13	0:02	SSA3	0.08029	0.74200	Oversupply
4/15/2023 11:15	0:02	SSA3	0.09319	1.21700	Oversupply
4/15/2023 11:17	1:03	SSA3	2.88707	0.10500	Oversupply
4/15/2023 11:18	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 11:18	0:01	KWPPI	0.00776	4.79817	Oversupply
4/15/2023 11:20	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 11:20	0:01	KWPPI	0.01535	3.78125	Oversupply
4/15/2023 11:22	0:57	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 11:22	0:57	KWPPI	3.07478	7.13338	Oversupply
4/15/2023 11:33	0:03	5A	Data is not available	Data is not available	Oversupply
4/15/2023 11:33	0:03	MS	Data is not available	Data is not available	Oversupply
4/15/2023 11:37	0:01	5A	Data is not available	Data is not available	Oversupply
4/15/2023 11:37	0:01	MS	Data is not available	Data is not available	Oversupply
4/15/2023 11:43	0:01	5A	Data is not available	Data is not available	Oversupply
4/15/2023 11:43	0:01	MS	Data is not available	Data is not available	Oversupply
4/15/2023 12:14	0:02	5A	Data is not available	Data is not available	Oversupply
4/15/2023 12:14	0:02	MS	Data is not available	Data is not available	Oversupply
4/15/2023 12:15	0:01	AWE	0.00002	0.10000	Oversupply
4/15/2023 12:17	0:02	5A	Data is not available	Data is not available	Oversupply
4/15/2023 12:17	0:02	MS	Data is not available	Data is not available	Oversupply
4/15/2023 12:18	0:01	AWE	0.00333	0.20000	Oversupply
4/15/2023 12:20	0:02	SSA3	0.06473	0.15400	Oversupply
4/15/2023 12:22	0:02	SSA3	0.06473	0.79500	Oversupply
4/15/2023 12:24	0:02	SSA3	0.06685	1.86300	Oversupply
4/15/2023 12:32	0:08	17-2	0.07370	0.75000	Oversupply
4/15/2023 12:32	0:02	SSA3	0.03059	2.02900	Oversupply
4/15/2023 12:34	0:02	SSA3	0.03084	2.03600	Oversupply
4/15/2023 12:37	0:02	SSA3	0.03084	2.02600	Oversupply
4/15/2023 12:41	0:03	17-2	0.03091	0.75000	Oversupply
4/15/2023 12:45	0:02	17-2	0.02109	0.75000	Oversupply
4/15/2023 12:50	0:04	17-2	0.04433	0.75000	Oversupply
4/15/2023 12:53	0:02	SSA3	0.02948	2.04900	Oversupply
4/15/2023 13:33	0:01	17-2	0.00087	0.75000	Oversupply
4/15/2023 13:35	0:02	SSA3	0.03219	2.03600	Oversupply
4/15/2023 13:36	0:03	17-2	0.02454	0.75000	Oversupply
4/15/2023 13:40	0:02	17-2	0.01431	0.75000	Oversupply
4/15/2023 13:43	0:02	17-2	0.01683	0.75000	Oversupply
4/15/2023 13:48	0:03	17-2	0.01980	0.75000	Oversupply
4/15/2023 13:53	1:28	17-2	1.09427	0.75000	Oversupply
4/15/2023 13:56	0:02	SSA3	0.04846	1.32900	Oversupply
4/15/2023 13:58	0:02	SSA3	0.04993	1.16600	Oversupply
4/15/2023 14:00	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 14:00	0:01	KWPPI	0.00393	8.18423	Oversupply
4/15/2023 14:00	0:04	SSA3	0.16867	0.33300	Oversupply
4/15/2023 14:02	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 14:02	0:01	KWPPI	0.00406	7.44475	Oversupply
4/15/2023 14:04	0:02	SSA3	0.08538	0.76100	Oversupply
4/15/2023 14:05	0:51	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 14:05	0:51	KWPPI	3.24054	9.86878	Oversupply
4/15/2023 14:06	0:57	SSA3	2.48667	-0.00400	Oversupply
4/15/2023 14:37	0:06	AWE	0.04042	8.80000	Oversupply
4/15/2023 14:57	0:04	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 14:57	0:04	KWPPI	0.03382	4.65047	Oversupply
4/15/2023 15:02	0:02	SSA3	0.05833	0.18000	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/15/2023 15:04	0:02	SSA3	0.05737	0.95600	Oversupply
4/15/2023 15:06	0:02	SSA3	0.05833	0.41500	Oversupply
4/15/2023 15:07	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 15:07	0:01	KWPPI	0.01068	5.25224	Oversupply
4/15/2023 15:08	0:02	SSA3	0.05785	0.70400	Oversupply
4/15/2023 15:10	0:02	SSA3	0.05833	1.78300	Oversupply
4/15/2023 15:12	0:02	SSA3	0.05833	1.88800	Oversupply
4/15/2023 15:14	0:02	SSA3	0.04781	1.57800	Oversupply
4/15/2023 15:16	0:02	SSA3	0.03066	1.09100	Oversupply
4/15/2023 16:31	0:21	17-2	0.11453	0.49800	Oversupply
4/15/2023 16:32	0:01	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 16:32	0:01	KWPPI	0.00092	7.25314	Oversupply
4/15/2023 16:33	0:04	SSA3	0.05680	0.04600	Oversupply
4/15/2023 16:34	0:02	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 16:34	0:02	KWPPI	0.02345	8.65626	Oversupply
4/15/2023 16:37	0:02	SSA3	0.02864	-0.00200	Oversupply
4/15/2023 16:38	0:02	BS250	Data is not available	Data is not available	Oversupply
4/15/2023 16:39	0:01	KWPPI	0.00790	7.57049	Oversupply
4/15/2023 16:39	0:02	SSA3	0.02864	0.01500	Oversupply
4/15/2023 16:41	0:02	SSA3	0.02817	0.44900	Oversupply
4/15/2023 16:43	0:02	SSA3	0.02864	1.05500	Oversupply
4/15/2023 16:45	0:02	SSA3	0.00976	0.75700	Oversupply
4/15/2023 16:47	0:02	SSA3	0.00976	0.37900	Oversupply
4/15/2023 16:49	0:02	SSA3	0.00960	0.05300	Oversupply
4/15/2023 16:53	0:01	17-2	0.00640	0.38400	Oversupply
4/16/2023 3:49	0:01	AWE	0.00033	20.00000	Oversupply
4/16/2023 3:52	0:01	AWE	0.00611	19.50000	Oversupply
4/16/2023 3:54	0:03	AWE	0.01054	19.90000	Oversupply
4/16/2023 7:32	0:02	SSA3	0.01992	0.42800	Oversupply
4/16/2023 7:33	0:02	17-2	0.00358	0.13600	Oversupply
4/16/2023 7:36	0:02	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 7:36	0:02	AWE	0.01009	19.90000	Oversupply
4/16/2023 7:36	0:24	17-2	0.03125	0.11800	Oversupply
4/16/2023 7:36	0:02	SSA3	0.02025	0.23600	Oversupply
4/16/2023 7:38	0:02	SSA3	0.01992	-0.00200	Oversupply
4/16/2023 7:39	0:03	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 7:39	0:03	AWE	0.05371	19.10000	Oversupply
4/16/2023 7:40	0:02	SSA3	0.02008	-0.00200	Oversupply
4/16/2023 7:42	0:02	SSA3	0.02008	-0.00200	Oversupply
4/16/2023 7:44	0:02	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 7:44	0:02	AWE	0.01370	18.70000	Oversupply
4/16/2023 7:44	0:02	SSA3	0.01992	0.00300	Oversupply
4/16/2023 7:46	0:02	SSA3	0.02590	-0.00200	Oversupply
4/16/2023 7:48	0:05	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 7:48	0:05	AWE	0.03327	18.80000	Oversupply
4/16/2023 7:48	0:06	SSA3	0.07834	-0.00200	Oversupply
4/16/2023 7:54	0:02	SSA3	0.02569	-0.00200	Oversupply
4/16/2023 7:56	0:02	SSA3	0.02611	-0.00200	Oversupply
4/16/2023 8:01	0:03	17-2	0.00450	0.12700	Oversupply
4/16/2023 8:02	0:02	SSA3	0.03024	0.67600	Oversupply
4/16/2023 8:05	7:26	17-2	3.61613	0.75000	Oversupply
4/16/2023 8:06	0:02	SSA3	0.03049	0.37100	Oversupply
4/16/2023 8:07	0:01	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 8:08	0:02	SSA3	0.03024	-0.00200	Oversupply
4/16/2023 8:10	6:24	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 8:10	0:01	AWE	0.00273	18.50000	Oversupply
4/16/2023 8:10	6:24	SSA3	15.90848	-0.00200	Oversupply
4/16/2023 8:12	6:15	AWE	63.78534	20.50000	Oversupply
4/16/2023 9:41	0:46	KWPPI	0.32058	0.83629	Oversupply
4/16/2023 10:31	0:02	KWPPI	0.00176	0.17065	Oversupply
4/16/2023 10:42	0:05	KWPPI	0.01112	0.32234	Oversupply
4/16/2023 10:55	0:07	KWPPI	0.02260	0.35926	Oversupply
4/16/2023 11:03	0:02	KWPPI	0.00234	0.17165	Oversupply
4/16/2023 11:13	0:05	KWPPI	0.01014	0.32933	Oversupply
4/16/2023 11:23	0:05	KWPPI	0.01263	0.60077	Oversupply
4/16/2023 11:29	3:04	KWPPI	7.13176	3.78025	Oversupply
4/16/2023 14:30	0:01	AWE	0.00541	20.60000	Oversupply
4/16/2023 14:34	0:02	SSA3	0.07353	0.19200	Oversupply
4/16/2023 14:35	0:02	BS250	Data is not available	Data is not available	Oversupply
4/16/2023 14:35	0:02	KWPPI	0.01328	3.16252	Oversupply
4/16/2023 14:36	0:02	SSA3	0.07414	-0.00500	Oversupply
4/16/2023 14:38	0:02	SSA3	0.07353	-0.00300	Oversupply
4/16/2023 14:40	0:02	SSA3	0.07292	-0.00300	Oversupply
4/16/2023 14:42	0:02	SSA3	0.07414	0.46800	Oversupply
4/16/2023 14:44	0:02	SSA3	0.05251	1.58500	Oversupply
4/16/2023 14:46	0:02	SSA3	0.04378	1.59700	Oversupply
4/16/2023 14:48	0:02	SSA3	0.04342	1.57600	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
4/16/2023 14:50	0:02	SSA3	0.04378	1.56200	Oversupply
4/16/2023 14:52	0:02	SSA3	0.04342	1.56100	Oversupply
4/16/2023 14:54	0:02	SSA3	0.04414	0.66900	Oversupply
4/16/2023 14:56	0:02	SSA3	0.04306	0.30900	Oversupply
4/16/2023 14:58	0:02	SSA3	0.04062	0.90800	Oversupply
4/16/2023 15:00	0:02	SSA3	0.02951	1.21700	Oversupply
4/16/2023 15:02	0:02	SSA3	0.03000	1.24400	Oversupply
4/16/2023 15:04	0:02	SSA3	0.02976	1.48400	Oversupply
4/16/2023 15:06	0:02	SSA3	0.02976	1.43600	Oversupply
4/16/2023 15:08	0:02	SSA3	0.02951	1.51500	Oversupply
4/16/2023 15:10	0:02	SSA3	0.03000	1.50900	Oversupply
4/16/2023 15:12	0:02	SSA3	0.03000	1.41900	Oversupply
4/16/2023 15:14	0:02	SSA3	0.03676	1.30200	Oversupply
4/16/2023 15:16	0:02	SSA3	0.02806	1.40800	Oversupply
4/16/2023 15:18	0:02	SSA3	0.02760	1.42100	Oversupply
4/16/2023 15:20	0:02	SSA3	0.02806	0.97200	Oversupply
4/16/2023 15:22	0:02	SSA3	0.02783	1.24200	Oversupply
4/16/2023 15:24	0:02	SSA3	0.02783	1.42800	Oversupply
4/16/2023 15:26	0:02	SSA3	0.02806	1.06900	Oversupply
4/16/2023 15:28	0:02	SSA3	0.03408	1.19000	Oversupply
4/16/2023 15:36	0:02	17-2	0.01158	0.74600	Oversupply
4/16/2023 15:53	0:02	17-2	0.00256	0.68900	Oversupply
4/17/2023 2:32	0:01	AWE	0.00201	20.80000	Oversupply
4/17/2023 8:17	2:00	KWP	0.16800	0.24000	Facility Requested
4/17/2023 8:50	0:01	17-2	0.00048	0.12500	Oversupply
4/17/2023 9:32	0:01	17-2	0.00106	0.75000	Oversupply
4/17/2023 9:32	0:02	SSA3	0.02589	1.36700	Oversupply
4/17/2023 9:38	0:01	17-2	0.00134	0.75000	Oversupply
4/17/2023 9:42	0:01	17-2	0.00720	0.43200	Oversupply
4/17/2023 9:44	3:27	17-2	2.15366	0.75000	Oversupply
4/17/2023 9:46	0:02	SSA3	0.03625	1.46200	Oversupply
4/17/2023 9:48	0:02	SSA3	0.03685	1.37900	Oversupply
4/17/2023 9:50	0:02	SSA3	0.03655	0.69100	Oversupply
4/17/2023 9:52	0:02	SSA3	0.03655	1.47800	Oversupply
4/17/2023 9:54	0:02	SSA3	0.03655	1.48400	Oversupply
4/17/2023 9:56	0:02	SSA3	0.03685	1.50800	Oversupply
4/17/2023 9:58	0:02	SSA3	0.05125	0.82700	Oversupply
4/17/2023 10:00	0:02	SSA3	0.08312	0.67700	Oversupply
4/17/2023 10:02	1:01	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 10:02	0:01	KWP	0.00151	0.19760	Oversupply
4/17/2023 10:02	1:01	AWE	3.18003	14.40000	Oversupply
4/17/2023 10:02	1:01	SSA3	2.64664	-0.00400	Oversupply
4/17/2023 10:09	0:01	KWP	0.00038	0.19261	Oversupply
4/17/2023 11:03	0:02	SSA3	0.08489	0.54300	Oversupply
4/17/2023 11:05	0:02	SSA3	0.08629	0.57100	Oversupply
4/17/2023 11:06	0:21	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 11:06	0:21	AWE	1.28437	14.80000	Oversupply
4/17/2023 11:07	0:20	SSA3	0.90442	-0.00400	Oversupply
4/17/2023 11:26	0:01	KWP	0.00163	0.20458	Oversupply
4/17/2023 11:27	0:02	SSA3	0.10045	-0.00300	Oversupply
4/17/2023 11:28	0:19	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 11:28	0:05	KWP	0.02121	0.59079	Oversupply
4/17/2023 11:28	0:12	AWE	0.29515	15.50000	Oversupply
4/17/2023 11:29	1:27	SSA3	4.10830	-0.00300	Oversupply
4/17/2023 11:35	0:11	KWP	0.06022	0.68759	Oversupply
4/17/2023 11:42	0:05	AWE	0.02617	17.10000	Oversupply
4/17/2023 11:48	0:01	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 11:48	0:01	AWE	0.00166	17.30000	Oversupply
4/17/2023 11:50	0:03	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 11:50	0:01	AWE	0.00523	17.10000	Oversupply
4/17/2023 11:50	0:03	KWP	0.01830	0.69458	Oversupply
4/17/2023 11:54	1:02	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 11:54	0:22	AWE	0.70185	17.50000	Oversupply
4/17/2023 11:54	0:45	KWP	0.68677	2.01288	Oversupply
4/17/2023 12:18	0:06	AWE	0.14742	18.10000	Oversupply
4/17/2023 12:26	0:10	AWE	0.29624	16.90000	Oversupply
4/17/2023 12:37	0:19	AWE	0.86226	18.40000	Oversupply
4/17/2023 12:45	0:06	KWP	0.03649	0.78040	Oversupply
4/17/2023 12:53	0:01	KWP	0.00098	0.23053	Oversupply
4/17/2023 12:55	0:01	KWP	0.00235	0.37124	Oversupply
4/17/2023 12:56	0:02	SSA3	0.08784	0.17000	Oversupply
4/17/2023 12:58	0:02	SSA3	0.08002	0.68100	Oversupply
4/17/2023 12:59	0:02	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 12:59	0:02	AWE	0.01330	19.00000	Oversupply
4/17/2023 12:59	0:02	KWP	0.00501	0.42313	Oversupply
4/17/2023 13:00	0:02	SSA3	0.04996	0.51900	Oversupply
4/17/2023 13:02	0:02	SSA3	0.05119	1.19500	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/17/2023 13:03	0:02	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 13:03	0:01	AWE	0.00572	18.80000	Oversupply
4/17/2023 13:03	0:02	KWPll	0.00945	0.61274	Oversupply
4/17/2023 13:04	0:02	SSA3	0.05078	0.07600	Oversupply
4/17/2023 13:06	0:02	SSA3	0.04955	1.28400	Oversupply
4/17/2023 13:08	0:02	SSA3	0.04996	0.57600	Oversupply
4/17/2023 13:12	0:02	17-2	0.02500	0.75000	Oversupply
4/17/2023 13:14	0:02	SSA3	0.04036	1.67600	Oversupply
4/17/2023 13:15	0:03	17-2	0.03280	0.72800	Oversupply
4/17/2023 13:22	0:03	17-2	0.03125	0.75000	Oversupply
4/17/2023 13:22	0:02	SSA3	0.03050	1.65300	Oversupply
4/17/2023 14:25	0:08	17-2	0.05654	0.53600	Oversupply
4/17/2023 14:34	0:02	17-2	0.01652	0.50100	Oversupply
4/17/2023 15:31	0:32	17-2	0.33868	0.75000	Oversupply
4/17/2023 15:31	0:02	SSA3	0.04848	1.15600	Oversupply
4/17/2023 15:34	0:02	SSA3	0.04808	0.92400	Oversupply
4/17/2023 15:36	0:02	SSA3	0.04808	0.57200	Oversupply
4/17/2023 15:37	0:20	BS250	Data is not available	Data is not available	Oversupply
4/17/2023 15:37	0:20	KWPll	0.54548	2.24640	Oversupply
4/17/2023 15:38	0:17	AWE	0.59792	19.80000	Oversupply
4/17/2023 15:38	0:18	SSA3	0.52780	-0.00600	Oversupply
4/17/2023 15:56	0:02	SSA3	0.06714	0.01400	Oversupply
4/17/2023 15:58	0:02	SSA3	0.06283	0.64500	Oversupply
4/17/2023 16:00	0:02	SSA3	0.01156	0.72300	Oversupply
4/18/2023 10:01	0:02	SSA3	0.05327	1.22900	Oversupply
4/18/2023 10:02	0:21	17-2	0.00191	0.23200	Oversupply
4/18/2023 10:03	0:02	SSA3	0.05283	1.22000	Oversupply
4/18/2023 10:05	0:02	SSA3	0.05327	0.76600	Oversupply
4/18/2023 10:07	0:07	BS250	Data is not available	Data is not available	Oversupply
4/18/2023 10:07	0:01	AWE	0.00128	0.20000	Oversupply
4/18/2023 10:07	0:06	SSA3	0.15849	0.04400	Oversupply
4/18/2023 10:08	0:06	5A	Data is not available	Data is not available	Oversupply
4/18/2023 10:08	0:06	MS	Data is not available	Data is not available	Oversupply
4/18/2023 10:08	0:05	KWP	0.00667	0.08000	Oversupply
4/18/2023 10:13	0:02	SSA3	0.04662	0.16600	Oversupply
4/18/2023 10:15	0:02	5A	Data is not available	Data is not available	Oversupply
4/18/2023 10:15	0:02	BS250	Data is not available	Data is not available	Oversupply
4/18/2023 10:15	0:02	MS	Data is not available	Data is not available	Oversupply
4/18/2023 10:15	0:02	SSA3	0.02916	0.56100	Oversupply
4/18/2023 10:16	0:01	KWP	0.00133	0.08000	Oversupply
4/18/2023 10:17	0:02	SSA3	0.02916	0.47100	Oversupply
4/18/2023 10:19	0:02	SSA3	0.02941	0.72100	Oversupply
4/18/2023 10:21	0:02	SSA3	0.02941	1.14800	Oversupply
4/18/2023 10:23	0:02	SSA3	0.02941	1.29100	Oversupply
4/18/2023 10:24	0:08	17-2	0.02772	0.34800	Oversupply
4/18/2023 10:25	0:02	SSA3	0.02916	1.22300	Oversupply
4/18/2023 10:27	0:02	SSA3	0.02916	1.02700	Oversupply
4/18/2023 10:29	0:02	SSA3	0.01669	1.27700	Oversupply
4/18/2023 10:37	0:02	17-2	0.00582	0.18100	Oversupply
4/18/2023 11:47	0:01	17-2	0.00094	0.75000	Oversupply
4/18/2023 11:49	0:13	17-2	0.11114	0.75000	Oversupply
4/18/2023 11:52	0:02	SSA3	0.03102	1.18200	Oversupply
4/18/2023 11:54	0:02	SSA3	0.03077	1.26800	Oversupply
4/18/2023 11:56	0:02	SSA3	0.03102	0.84500	Oversupply
4/18/2023 11:58	0:02	SSA3	0.03077	0.44100	Oversupply
4/18/2023 12:38	0:02	17-2	0.01173	0.63000	Oversupply
4/18/2023 12:45	0:02	SSA3	0.02438	1.61300	Oversupply
4/18/2023 12:46	0:04	17-2	0.03772	0.70500	Oversupply
4/18/2023 12:47	0:02	SSA3	0.02378	1.43800	Oversupply
4/18/2023 12:59	0:06	17-2	0.05200	0.75000	Oversupply
4/18/2023 12:59	0:02	SSA3	0.02189	1.78800	Oversupply
4/18/2023 13:01	0:02	SSA3	0.02638	1.94400	Oversupply
4/18/2023 13:07	0:02	17-2	0.01000	0.70000	Oversupply
4/18/2023 13:17	0:02	SSA3	0.03355	1.57300	Oversupply
4/18/2023 13:18	0:06	17-2	0.03860	0.62800	Oversupply
4/18/2023 13:19	0:02	SSA3	0.03355	1.29700	Oversupply
4/18/2023 13:22	0:02	SSA3	0.03355	1.99000	Oversupply
4/18/2023 14:20	0:04	17-2	0.02139	0.53100	Oversupply
4/18/2023 14:20	0:02	SSA3	0.01832	1.35500	Oversupply
4/18/2023 14:24	0:02	SSA3	0.01832	1.02200	Oversupply
4/18/2023 14:25	0:06	17-2	0.03353	0.51900	Oversupply
4/18/2023 14:26	0:02	SSA3	0.01832	1.45900	Oversupply
4/18/2023 14:28	0:02	SSA3	0.02327	1.18600	Oversupply
4/18/2023 21:36	0:01	KWPll	0.00128	0.07684	Oversupply
4/18/2023 23:50	0:21	KWPll	0.55296	15.29566	Oversupply
4/19/2023 0:45	0:23	KWPll	0.85215	13.60014	Oversupply
4/19/2023 1:09	0:02	KWPll	0.02651	11.44954	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/19/2023 1:28	0:02	KWP/II	0.02196	8.96463	Oversupply
4/19/2023 1:31	4:06	KWP/II	34.78379	21.08380	Oversupply
4/19/2023 5:43	0:20	KWP/II	0.57931	20.99199	Oversupply
4/19/2023 5:56	0:07	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 6:06	0:01	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 6:06	0:01	KWP/II	0.00575	20.96005	Oversupply
4/19/2023 6:12	0:01	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 6:12	0:01	KWP/II	0.00021	20.99798	Oversupply
4/19/2023 6:17	0:01	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 6:17	0:01	KWP/II	0.00219	20.82932	Oversupply
4/19/2023 6:21	0:18	SSA3	0.00308	0.00300	Oversupply
4/19/2023 6:22	0:18	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 6:22	0:18	KWP/II	0.78820	20.96604	Oversupply
4/19/2023 10:05	0:01	AWE	0.00167	0.10000	Oversupply
4/19/2023 11:47	0:08	17-2	0.05729	0.61300	Oversupply
4/19/2023 11:47	0:02	SSA3	0.01044	0.32400	Oversupply
4/19/2023 11:49	0:02	SSA3	0.01053	0.11900	Oversupply
4/19/2023 11:51	0:02	SSA3	0.01035	0.59700	Oversupply
4/19/2023 11:58	0:01	17-2	0.00348	0.67200	Oversupply
4/19/2023 12:00	0:04	17-2	0.02937	0.75000	Oversupply
4/19/2023 12:10	1:33	17-2	1.01003	0.75000	Oversupply
4/19/2023 12:13	0:02	SSA3	0.01066	0.92500	Oversupply
4/19/2023 12:15	0:02	SSA3	0.02596	0.94000	Oversupply
4/19/2023 12:17	0:02	SSA3	0.02618	0.92900	Oversupply
4/19/2023 12:19	0:02	SSA3	0.02575	0.83200	Oversupply
4/19/2023 12:21	0:02	SSA3	0.02596	0.82000	Oversupply
4/19/2023 12:23	0:02	SSA3	0.02596	0.09300	Oversupply
4/19/2023 12:24	0:03	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:24	0:03	KWP/II	0.01315	0.70256	Oversupply
4/19/2023 12:25	0:02	SSA3	0.02618	0.02200	Oversupply
4/19/2023 12:27	0:02	SSA3	0.02575	0.06500	Oversupply
4/19/2023 12:29	0:04	5A	Data is not available	Data is not available	Oversupply
4/19/2023 12:29	0:04	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:29	0:04	MS	Data is not available	Data is not available	Oversupply
4/19/2023 12:29	0:04	SSA3	0.06519	0.00600	Oversupply
4/19/2023 12:32	0:01	KWP	0.00057	0.24000	Oversupply
4/19/2023 12:33	0:02	SSA3	0.03703	0.07600	Oversupply
4/19/2023 12:35	0:03	5A	Data is not available	Data is not available	Oversupply
4/19/2023 12:35	0:03	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:35	0:03	MS	Data is not available	Data is not available	Oversupply
4/19/2023 12:35	0:03	KWP	0.01200	0.24000	Oversupply
4/19/2023 12:35	0:04	SSA3	0.07376	0.00300	Oversupply
4/19/2023 12:39	0:02	SSA3	0.03703	0.48300	Oversupply
4/19/2023 12:41	0:02	SSA3	0.03734	0.53200	Oversupply
4/19/2023 12:43	0:02	SSA3	0.03783	0.99000	Oversupply
4/19/2023 12:45	0:02	SSA3	0.04981	0.87000	Oversupply
4/19/2023 12:47	0:02	SSA3	0.04981	0.99700	Oversupply
4/19/2023 12:49	0:02	SSA3	0.04981	0.40900	Oversupply
4/19/2023 12:51	0:01	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:51	0:01	AWE	0.00181	1.10000	Oversupply
4/19/2023 12:51	0:01	KWP/II	0.00131	0.22853	Oversupply
4/19/2023 12:51	0:10	SSA3	0.24700	0.01300	Oversupply
4/19/2023 12:53	0:03	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:53	0:03	AWE	0.01523	2.50000	Oversupply
4/19/2023 12:53	0:03	KWP/II	0.00849	0.37823	Oversupply
4/19/2023 12:57	0:04	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 12:57	0:04	AWE	0.03899	2.50000	Oversupply
4/19/2023 13:00	0:01	KWP/II	0.00206	0.34330	Oversupply
4/19/2023 13:01	0:02	SSA3	0.03679	0.23200	Oversupply
4/19/2023 13:03	0:02	SSA3	0.03710	0.95000	Oversupply
4/19/2023 13:05	0:02	SSA3	0.03679	0.52700	Oversupply
4/19/2023 13:07	0:02	SSA3	0.03679	0.07400	Oversupply
4/19/2023 13:08	0:03	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 13:08	0:03	AWE	0.04267	3.70000	Oversupply
4/19/2023 13:09	0:02	SSA3	0.03710	0.00000	Oversupply
4/19/2023 13:11	0:02	SSA3	0.03649	0.22500	Oversupply
4/19/2023 13:13	0:02	SSA3	0.03286	0.52200	Oversupply
4/19/2023 13:18	0:02	SSA3	0.01452	0.87800	Oversupply
4/19/2023 13:20	0:02	SSA3	0.01452	0.79900	Oversupply
4/19/2023 13:22	0:02	SSA3	0.01476	0.77600	Oversupply
4/19/2023 13:24	0:02	SSA3	0.01452	0.30200	Oversupply
4/19/2023 13:26	0:02	SSA3	0.01464	0.53900	Oversupply
4/19/2023 13:28	0:02	SSA3	0.01514	0.79000	Oversupply
4/19/2023 13:30	0:02	SSA3	0.00751	0.61100	Oversupply
4/19/2023 13:34	0:02	SSA3	0.00757	0.35600	Oversupply
4/19/2023 13:36	0:02	SSA3	0.00751	0.09600	Oversupply
4/19/2023 13:38	0:02	SSA3	0.00757	0.10200	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
4/19/2023 13:40	0:02	SSA3	0.00751	0.32400	Oversupply
4/19/2023 14:04	0:41	17-2	0.23564	0.53000	Oversupply
4/19/2023 14:04	0:02	SSA3	0.03416	0.85300	Oversupply
4/19/2023 14:06	0:02	SSA3	0.03445	0.87100	Oversupply
4/19/2023 14:07	0:09	5A	Data is not available	Data is not available	Oversupply
4/19/2023 14:07	0:09	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 14:07	0:09	MS	Data is not available	Data is not available	Oversupply
4/19/2023 14:08	0:08	SSA3	0.12877	0.00800	Oversupply
4/19/2023 14:09	0:07	KWP	0.01200	0.24000	Oversupply
4/19/2023 14:16	0:02	SSA3	0.04591	0.16000	Oversupply
4/19/2023 14:20	0:02	SSA3	0.04553	0.60800	Oversupply
4/19/2023 14:22	0:02	SSA3	0.04629	0.96700	Oversupply
4/19/2023 14:24	0:02	SSA3	0.04553	1.13600	Oversupply
4/19/2023 14:26	0:02	SSA3	0.04591	0.97300	Oversupply
4/19/2023 14:28	0:02	SSA3	0.04845	0.78300	Oversupply
4/19/2023 14:30	0:02	SSA3	0.07517	0.27000	Oversupply
4/19/2023 14:32	0:02	SSA3	0.07579	0.02100	Oversupply
4/19/2023 14:34	0:02	SSA3	0.07454	0.49200	Oversupply
4/19/2023 14:35	0:05	BS250	Data is not available	Data is not available	Oversupply
4/19/2023 14:35	0:04	KWP	0.04801	1.41809	Oversupply
4/19/2023 14:36	0:04	SSA3	0.15033	-0.00100	Oversupply
4/19/2023 14:40	0:02	SSA3	0.07517	0.55900	Oversupply
4/19/2023 14:42	0:02	SSA3	0.07517	1.04000	Oversupply
4/19/2023 15:05	0:02	17-2	0.02500	0.75000	Oversupply
4/19/2023 15:05	0:02	SSA3	0.02272	1.76400	Oversupply
4/19/2023 15:08	0:03	17-2	0.02094	0.75000	Oversupply
4/20/2023 12:49	0:01	KWP	0.00058	0.03493	Oversupply
4/20/2023 13:58	0:01	KWP	0.00140	0.08383	Oversupply
4/20/2023 14:08	0:01	KWP	0.00060	0.03593	Oversupply
4/21/2023 1:57	0:01	AWE	0.00620	8.70000	Oversupply
4/21/2023 2:03	0:01	AWE	0.00403	8.50000	Oversupply
4/21/2023 2:14	0:01	AWE	0.00220	8.30000	Oversupply
4/21/2023 2:27	0:01	AWE	0.00140	7.50000	Oversupply
4/21/2023 2:29	0:01	AWE	0.00136	8.10000	Oversupply
4/21/2023 2:33	0:01	AWE	0.00927	7.70000	Oversupply
4/21/2023 2:35	0:15	AWE	0.22831	8.30000	Oversupply
4/21/2023 2:51	0:23	AWE	0.23803	8.30000	Oversupply
4/21/2023 3:15	0:13	AWE	0.12093	8.50000	Oversupply
4/21/2023 3:31	0:01	AWE	0.00786	8.50000	Oversupply
4/21/2023 3:38	0:01	AWE	0.00303	8.10000	Oversupply
4/21/2023 8:53	0:02	SSA3	0.01901	1.12300	Oversupply
4/21/2023 8:57	0:02	SSA3	0.01870	0.97800	Oversupply
4/21/2023 8:59	0:02	SSA3	0.01694	1.16700	Oversupply
4/21/2023 9:05	0:02	SSA3	0.02184	1.20700	Oversupply
4/21/2023 9:07	0:02	SSA3	0.02148	1.22300	Oversupply
4/21/2023 9:09	0:02	SSA3	0.02166	1.22600	Oversupply
4/21/2023 9:11	0:02	SSA3	0.02184	1.24800	Oversupply
4/21/2023 9:13	0:02	SSA3	0.02032	1.00500	Oversupply
4/21/2023 9:15	0:02	SSA3	0.02291	1.01700	Oversupply
4/21/2023 9:19	0:02	SSA3	0.02310	1.29800	Oversupply
4/21/2023 9:21	0:02	SSA3	0.02272	1.31100	Oversupply
4/21/2023 9:27	0:02	SSA3	0.02291	1.34600	Oversupply
4/21/2023 9:29	0:02	SSA3	0.03491	1.24900	Oversupply
4/21/2023 9:31	0:02	SSA3	0.04150	1.37100	Oversupply
4/21/2023 9:33	0:02	SSA3	0.04185	1.06500	Oversupply
4/21/2023 9:35	0:02	SSA3	0.04116	0.90400	Oversupply
4/21/2023 9:37	0:02	SSA3	0.04150	0.34000	Oversupply
4/21/2023 9:39	0:02	SSA3	0.04185	1.14600	Oversupply
4/21/2023 9:41	0:02	SSA3	0.04116	0.40900	Oversupply
4/21/2023 9:43	0:02	SSA3	0.05067	1.07200	Oversupply
4/21/2023 9:45	0:02	SSA3	0.06878	1.03100	Oversupply
4/21/2023 9:48	0:02	SSA3	0.06658	0.78600	Oversupply
4/21/2023 9:50	0:02	SSA3	0.06768	0.27100	Oversupply
4/21/2023 9:51	0:01	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 9:52	0:02	SSA3	0.06603	-0.00300	Oversupply
4/21/2023 9:54	0:02	SSA3	0.06603	-0.00300	Oversupply
4/21/2023 9:55	0:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 9:56	0:04	SSA3	0.13418	-0.00200	Oversupply
4/21/2023 9:58	0:06	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 9:58	0:06	AWE	0.03412	10.10000	Oversupply
4/21/2023 10:00	0:02	SSA3	0.07902	0.02400	Oversupply
4/21/2023 10:02	0:02	SSA3	0.08034	0.01400	Oversupply
4/21/2023 10:04	0:02	SSA3	0.07902	-0.00300	Oversupply
4/21/2023 10:05	0:03	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:06	0:02	SSA3	0.08034	-0.00300	Oversupply
4/21/2023 10:08	0:02	SSA3	0.07968	0.07100	Oversupply
4/21/2023 10:09	0:14	BS250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

April 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/21/2023 10:09	0:06	AWE	0.02598	9.90000	Oversupply
4/21/2023 10:10	0:04	SSA3	0.16001	0.00500	Oversupply
4/21/2023 10:14	0:02	SSA3	0.08052	0.04400	Oversupply
4/21/2023 10:16	0:07	AWE	0.07186	10.10000	Oversupply
4/21/2023 10:16	0:02	SSA3	0.08507	0.01400	Oversupply
4/21/2023 10:18	0:04	SSA3	0.17154	0.00800	Oversupply
4/21/2023 10:20	0:01	KWPPI	0.00063	0.21755	Oversupply
4/21/2023 10:22	0:02	SSA3	0.08507	0.01900	Oversupply
4/21/2023 10:24	0:04	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:24	0:02	AWE	0.00280	9.90000	Oversupply
4/21/2023 10:24	0:02	SSA3	0.08436	0.01200	Oversupply
4/21/2023 10:26	0:02	SSA3	0.08507	0.02500	Oversupply
4/21/2023 10:28	0:02	SSA3	0.08549	0.00700	Oversupply
4/21/2023 10:29	0:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:30	0:01	AWE	0.00553	9.10000	Oversupply
4/21/2023 10:30	0:06	SSA3	0.26002	0.01200	Oversupply
4/21/2023 10:32	0:01	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:34	0:01	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:36	0:03	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:36	0:02	SSA3	0.08763	-0.00300	Oversupply
4/21/2023 10:37	0:02	KWPPI	0.00375	0.36625	Oversupply
4/21/2023 10:38	0:01	AWE	0.00003	7.90000	Oversupply
4/21/2023 10:38	1:31	SSA3	4.20604	0.14500	Oversupply
4/21/2023 10:40	0:09	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:40	0:04	KWPPI	0.00617	0.36924	Oversupply
4/21/2023 10:41	0:01	AWE	0.00286	8.40000	Oversupply
4/21/2023 10:44	0:05	AWE	0.05522	9.90000	Oversupply
4/21/2023 10:45	0:01	KWPPI	0.00093	0.29140	Oversupply
4/21/2023 10:47	0:02	KWPPI	0.00358	0.31436	Oversupply
4/21/2023 10:50	0:16	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 10:50	0:01	KWPPI	0.00043	0.23552	Oversupply
4/21/2023 10:50	0:02	AWE	0.01523	8.90000	Oversupply
4/21/2023 10:52	0:02	KWPPI	0.00254	0.24250	Oversupply
4/21/2023 10:53	0:13	AWE	0.29356	10.70000	Oversupply
4/21/2023 10:55	0:01	KWPPI	0.00109	0.23552	Oversupply
4/21/2023 10:57	0:09	KWPPI	0.02923	0.41515	Oversupply
4/21/2023 11:07	1:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 11:07	0:03	AWE	0.01294	10.60000	Oversupply
4/21/2023 11:07	1:02	KWPPI	0.73495	1.73445	Oversupply
4/21/2023 11:11	0:01	AWE	0.01003	9.70000	Oversupply
4/21/2023 11:14	0:01	AWE	0.00787	9.70000	Oversupply
4/21/2023 11:19	0:11	AWE	0.22438	10.80000	Oversupply
4/21/2023 11:32	0:19	AWE	0.51570	11.90000	Oversupply
4/21/2023 11:52	0:01	AWE	0.00071	12.00000	Oversupply
4/21/2023 11:58	0:03	AWE	0.01985	13.50000	Oversupply
4/21/2023 12:03	0:02	AWE	0.00887	13.40000	Oversupply
4/21/2023 12:09	0:02	SSA3	0.08436	0.11000	Oversupply
4/21/2023 12:11	0:02	SSA3	0.08436	1.32400	Oversupply
4/21/2023 12:13	0:02	SSA3	0.08422	1.50100	Oversupply
4/21/2023 12:14	0:05	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 12:15	0:04	KWPPI	0.02155	1.07779	Oversupply
4/21/2023 12:15	0:04	SSA3	0.15259	0.00900	Oversupply
4/21/2023 12:19	0:02	SSA3	0.07693	-0.00300	Oversupply
4/21/2023 12:21	0:02	SSA3	0.07693	0.24400	Oversupply
4/21/2023 12:23	0:02	SSA3	0.07630	1.17100	Oversupply
4/21/2023 12:25	0:02	SSA3	0.07693	1.03600	Oversupply
4/21/2023 12:27	0:02	SSA3	0.07630	0.33200	Oversupply
4/21/2023 12:29	0:02	SSA3	0.08326	1.54400	Oversupply
4/21/2023 12:31	0:02	SSA3	0.08506	0.72200	Oversupply
4/21/2023 12:33	0:02	SSA3	0.08506	0.91400	Oversupply
4/21/2023 12:35	0:02	SSA3	0.08436	0.82200	Oversupply
4/21/2023 12:37	0:02	SSA3	0.08506	0.08600	Oversupply
4/21/2023 12:39	0:03	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 12:39	0:03	KWPPI	0.02202	1.74542	Oversupply
4/21/2023 12:39	0:12	SSA3	0.53099	0.02000	Oversupply
4/21/2023 12:43	0:03	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 12:43	0:03	KWPPI	0.05081	2.03084	Oversupply
4/21/2023 12:45	0:01	AWE	0.00801	17.80000	Oversupply
4/21/2023 12:47	0:05	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 12:47	0:05	KWPPI	0.08033	1.86418	Oversupply
4/21/2023 12:48	0:01	AWE	0.00782	18.60000	Oversupply
4/21/2023 12:51	0:02	SSA3	0.08974	-0.00300	Oversupply
4/21/2023 12:53	0:02	SSA3	0.09048	0.45600	Oversupply
4/21/2023 12:56	0:02	SSA3	0.09122	0.94200	Oversupply
4/21/2023 12:57	0:10	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 12:57	0:10	KWPPI	0.24805	2.48092	Oversupply
4/21/2023 12:58	0:12	SSA3	0.57866	-0.00600	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/21/2023 13:02	0:04	AWE	0.03171	19.10000	Oversupply
4/21/2023 13:08	0:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 13:08	0:02	KWPPI	0.01867	2.08173	Oversupply
4/21/2023 13:10	0:02	SSA3	0.09646	0.18400	Oversupply
4/21/2023 13:11	0:26	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 13:11	0:26	KWPPI	0.50021	2.10668	Oversupply
4/21/2023 13:12	0:02	SSA3	0.09726	0.02900	Oversupply
4/21/2023 13:14	0:10	SSA3	0.47761	-0.00500	Oversupply
4/21/2023 13:15	0:07	AWE	0.17020	17.40000	Oversupply
4/21/2023 13:24	0:02	SSA3	0.09591	-0.00300	Oversupply
4/21/2023 13:26	0:01	AWE	0.01723	18.00000	Oversupply
4/21/2023 13:26	0:10	SSA3	0.48316	-0.00200	Oversupply
4/21/2023 13:28	0:02	AWE	0.01079	18.40000	Oversupply
4/21/2023 13:31	0:01	AWE	0.00641	18.60000	Oversupply
4/21/2023 13:33	0:01	AWE	0.00688	17.60000	Oversupply
4/21/2023 13:36	0:02	SSA3	0.09886	-0.00300	Oversupply
4/21/2023 13:38	0:32	SSA3	1.52836	0.18700	Oversupply
4/21/2023 13:40	0:30	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 13:40	0:30	KWPPI	0.51637	1.73544	Oversupply
4/21/2023 13:44	0:08	AWE	0.10221	17.10000	Oversupply
4/21/2023 13:53	0:01	AWE	0.00239	16.10000	Oversupply
4/21/2023 13:58	0:04	AWE	0.06314	16.10000	Oversupply
4/21/2023 14:03	0:02	AWE	0.02793	15.00000	Oversupply
4/21/2023 14:06	0:01	AWE	0.00163	15.60000	Oversupply
4/21/2023 14:11	0:02	SSA3	0.09243	0.68800	Oversupply
4/21/2023 14:12	0:10	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 14:12	0:10	KWPPI	0.10518	2.10968	Oversupply
4/21/2023 14:13	0:10	SSA3	0.41125	0.00800	Oversupply
4/21/2023 14:23	0:02	SSA3	0.07925	-0.00300	Oversupply
4/21/2023 14:25	0:02	SSA3	0.07925	0.16500	Oversupply
4/21/2023 14:27	0:02	SSA3	0.07925	0.48600	Oversupply
4/21/2023 14:29	0:02	SSA3	0.07055	0.43200	Oversupply
4/21/2023 14:31	0:02	SSA3	0.06685	1.65000	Oversupply
4/21/2023 14:33	0:02	SSA3	0.06741	0.79600	Oversupply
4/21/2023 14:35	0:02	SSA3	0.06741	1.39200	Oversupply
4/21/2023 14:36	0:01	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 14:36	0:01	KWPPI	0.00469	2.02785	Oversupply
4/21/2023 14:37	0:02	SSA3	0.06685	0.14300	Oversupply
4/21/2023 14:39	0:07	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 14:39	0:07	KWPPI	0.20489	3.07171	Oversupply
4/21/2023 14:39	0:06	SSA3	0.20135	0.01100	Oversupply
4/21/2023 14:41	0:02	AWE	0.01250	18.30000	Oversupply
4/21/2023 14:45	0:02	SSA3	0.05434	0.01800	Oversupply
4/21/2023 14:47	0:02	SSA3	0.05434	1.05800	Oversupply
4/21/2023 14:49	0:02	SSA3	0.05434	1.56600	Oversupply
4/21/2023 14:51	0:02	SSA3	0.05390	1.41400	Oversupply
4/21/2023 14:53	0:02	SSA3	0.05390	0.17300	Oversupply
4/21/2023 14:55	0:05	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 14:55	0:05	KWPPI	0.16250	2.92401	Oversupply
4/21/2023 14:55	0:20	SSA3	0.64777	0.00400	Oversupply
4/21/2023 14:57	0:02	AWE	0.02081	17.80000	Oversupply
4/21/2023 15:01	0:14	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 15:01	0:01	AWE	0.00046	15.00000	Oversupply
4/21/2023 15:01	0:14	KWPPI	0.36218	3.28926	Oversupply
4/21/2023 15:06	0:01	AWE	0.01401	16.80000	Oversupply
4/21/2023 15:10	0:01	AWE	0.00052	17.60000	Oversupply
4/21/2023 15:16	0:02	SSA3	0.04473	1.05600	Oversupply
4/21/2023 15:18	0:02	SSA3	0.04473	1.53000	Oversupply
4/21/2023 15:22	0:02	SSA3	0.04437	1.47500	Oversupply
4/21/2023 15:24	0:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 15:24	0:02	KWPPI	0.01107	3.05474	Oversupply
4/21/2023 15:24	0:02	SSA3	0.04473	0.16000	Oversupply
4/21/2023 15:26	0:02	SSA3	0.04473	-0.00500	Oversupply
4/21/2023 15:27	0:02	BS250	Data is not available	Data is not available	Oversupply
4/21/2023 15:27	0:02	KWPPI	0.02827	3.46889	Oversupply
4/21/2023 15:28	0:02	SSA3	0.04398	-0.00300	Oversupply
4/21/2023 15:30	0:02	SSA3	0.02597	0.02800	Oversupply
4/21/2023 15:32	0:02	SSA3	0.02662	0.61800	Oversupply
4/22/2023 1:15	0:01	AWE	0.00034	20.30000	Oversupply
4/22/2023 1:17	0:02	AWE	0.01003	21.00000	Oversupply
4/22/2023 1:20	0:04	AWE	0.03049	20.50000	Oversupply
4/22/2023 1:25	0:31	AWE	0.76342	21.00000	Oversupply
4/22/2023 1:34	0:38	KWPPI	1.20034	3.70142	Oversupply
4/22/2023 2:13	0:02	KWPPI	0.01155	3.28726	Oversupply
4/22/2023 8:22	0:02	SSA3	0.02417	0.91400	Oversupply
4/22/2023 8:24	0:02	SSA3	0.02437	0.67900	Oversupply
4/22/2023 8:26	0:02	SSA3	0.02397	0.43200	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/22/2023 8:28	0:02	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 8:28	0:02	SSA3	0.03237	0.02100	Oversupply
4/22/2023 8:30	0:02	SSA3	0.05143	0.21500	Oversupply
4/22/2023 8:32	0:01	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 8:32	0:02	SSA3	0.05058	0.15000	Oversupply
4/22/2023 8:34	4:02	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 8:34	4:01	AWE	22.65589	21.00000	Oversupply
4/22/2023 8:34	4:02	SSA3	9.74328	-0.00200	Oversupply
4/22/2023 12:02	0:01	KWPPI	0.00069	0.23153	Oversupply
4/22/2023 12:05	0:01	KWPPI	0.00103	0.25148	Oversupply
4/22/2023 12:07	0:23	KWPPI	0.29968	1.78634	Oversupply
4/22/2023 12:31	0:03	KWPPI	0.00791	0.44609	Oversupply
4/22/2023 12:37	0:02	SSA3	0.08633	-0.00300	Oversupply
4/22/2023 12:39	0:02	SSA3	0.08777	-0.00300	Oversupply
4/22/2023 12:41	0:02	SSA3	0.08633	0.16000	Oversupply
4/22/2023 12:43	0:02	SSA3	0.08157	0.59700	Oversupply
4/22/2023 12:45	0:02	SSA3	0.03462	1.30900	Oversupply
4/22/2023 12:47	0:02	SSA3	0.03462	1.81400	Oversupply
4/22/2023 12:49	0:04	SSA3	0.06953	1.85100	Oversupply
4/22/2023 12:53	0:02	SSA3	0.03433	1.85900	Oversupply
4/22/2023 12:55	0:02	SSA3	0.03491	1.87800	Oversupply
4/22/2023 12:57	0:02	SSA3	0.03462	1.82900	Oversupply
4/22/2023 12:59	0:02	SSA3	0.05773	1.89000	Oversupply
4/22/2023 13:01	0:02	SSA3	0.06957	1.88100	Oversupply
4/22/2023 13:03	0:02	SSA3	0.07015	1.84900	Oversupply
4/22/2023 13:05	0:02	SSA3	0.06957	1.69200	Oversupply
4/22/2023 13:07	0:02	SSA3	0.07015	0.79700	Oversupply
4/22/2023 13:09	0:02	SSA3	0.06900	0.17200	Oversupply
4/22/2023 13:11	0:01	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 13:11	0:02	SSA3	0.06957	0.01100	Oversupply
4/22/2023 13:13	0:09	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 13:13	0:07	AWE	0.11961	21.00000	Oversupply
4/22/2023 13:13	0:09	KWPPI	0.13754	1.20453	Oversupply
4/22/2023 13:13	0:08	SSA3	0.33043	0.01300	Oversupply
4/22/2023 13:21	0:02	SSA3	0.08571	-0.00500	Oversupply
4/22/2023 13:23	0:02	SSA3	0.08571	-0.00400	Oversupply
4/22/2023 13:25	0:02	SSA3	0.08571	0.17800	Oversupply
4/22/2023 13:27	0:02	SSA3	0.08500	1.01000	Oversupply
4/22/2023 13:29	0:02	SSA3	0.08002	0.77500	Oversupply
4/22/2023 13:31	0:02	SSA3	0.04551	1.17700	Oversupply
4/22/2023 13:33	0:02	SSA3	0.04513	0.59000	Oversupply
4/22/2023 13:35	0:02	SSA3	0.04513	0.65900	Oversupply
4/22/2023 13:37	0:02	SSA3	0.04551	0.28800	Oversupply
4/22/2023 13:38	0:01	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 13:39	0:02	SSA3	0.04551	0.36900	Oversupply
4/22/2023 13:41	0:02	SSA3	0.04551	0.49500	Oversupply
4/22/2023 13:43	0:02	SSA3	0.04824	0.94600	Oversupply
4/22/2023 13:45	0:02	SSA3	0.03874	1.08000	Oversupply
4/22/2023 13:47	0:02	SSA3	0.03874	0.91100	Oversupply
4/22/2023 13:49	0:02	SSA3	0.03842	0.89100	Oversupply
4/22/2023 13:51	1:09	SSA3	1.20272	0.06900	Oversupply
4/22/2023 13:52	1:07	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 13:52	0:06	KWPPI	0.09688	1.50991	Oversupply
4/22/2023 13:59	1:00	KWPPI	1.63038	2.64558	Oversupply
4/22/2023 14:05	0:24	AWE	0.72690	21.00000	Oversupply
4/22/2023 14:32	0:21	AWE	0.63777	21.00000	Oversupply
4/22/2023 14:54	0:01	AWE	0.00466	21.00000	Oversupply
4/22/2023 15:00	0:05	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 15:00	0:05	KWPPI	0.06356	3.19645	Oversupply
4/22/2023 15:00	0:02	SSA3	0.01398	0.03100	Oversupply
4/22/2023 15:02	0:04	SSA3	0.02807	0.00900	Oversupply
4/22/2023 15:06	0:01	BS250	Data is not available	Data is not available	Oversupply
4/22/2023 15:06	0:01	KWPPI	0.00311	4.06567	Oversupply
4/22/2023 15:06	0:02	SSA3	0.01409	0.10300	Oversupply
4/22/2023 15:08	0:02	SSA3	0.01386	0.13000	Oversupply
4/22/2023 15:22	0:02	SSA3	0.00661	0.54100	Oversupply
4/22/2023 15:24	0:02	SSA3	0.00666	0.53700	Oversupply
4/22/2023 15:26	0:02	SSA3	0.00661	0.47700	Oversupply
4/22/2023 16:23	0:02	SSA3	0.01376	0.85900	Oversupply
4/22/2023 16:25	0:02	SSA3	0.01354	0.65500	Oversupply
4/23/2023 3:23	0:02	AWE	0.00683	19.00000	Oversupply
4/23/2023 9:32	0:02	SSA3	0.06349	1.39700	Oversupply
4/23/2023 9:34	0:02	SSA3	0.06349	0.25400	Oversupply
4/23/2023 9:35	1:59	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 9:36	1:58	AWE	7.36500	17.30000	Oversupply
4/23/2023 9:36	1:55	SSA3	4.97283	-0.00400	Oversupply
4/23/2023 11:31	0:02	SSA3	0.09512	-0.00300	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
4/23/2023 11:33	0:02	SSA3	0.09433	-0.00400	Oversupply
4/23/2023 11:35	0:12	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 11:35	0:12	AWE	0.20663	8.90000	Oversupply
4/23/2023 11:35	0:12	SSA3	0.57645	0.20500	Oversupply
4/23/2023 11:47	0:38	SSA3	1.81735	0.00200	Oversupply
4/23/2023 11:48	0:31	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 11:48	0:18	AWE	0.24026	7.70000	Oversupply
4/23/2023 11:50	0:24	KWPPI	0.08703	0.50696	Oversupply
4/23/2023 12:07	0:02	AWE	0.01400	6.90000	Oversupply
4/23/2023 12:10	0:09	AWE	0.06596	6.50000	Oversupply
4/23/2023 12:15	0:04	KWPPI	0.01343	0.47403	Oversupply
4/23/2023 12:20	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:20	0:01	AWE	0.00335	4.90000	Oversupply
4/23/2023 12:20	0:01	KWPPI	0.00628	0.50696	Oversupply
4/23/2023 12:22	0:04	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:22	0:04	KWPPI	0.01108	0.39120	Oversupply
4/23/2023 12:25	0:01	AWE	0.00296	5.70000	Oversupply
4/23/2023 12:26	0:04	SSA3	0.19104	0.00000	Oversupply
4/23/2023 12:29	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:29	0:01	KWPPI	0.00351	0.28043	Oversupply
4/23/2023 12:30	0:02	SSA3	0.08777	0.11000	Oversupply
4/23/2023 12:32	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:32	0:01	KWPPI	0.00080	0.69458	Oversupply
4/23/2023 12:32	0:02	SSA3	0.08633	0.38600	Oversupply
4/23/2023 12:34	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:34	0:01	KWPPI	0.00682	0.76044	Oversupply
4/23/2023 12:34	0:02	SSA3	0.08777	0.02500	Oversupply
4/23/2023 12:36	0:02	SSA3	0.08849	0.25700	Oversupply
4/23/2023 12:37	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:37	0:01	KWPPI	0.00708	0.72452	Oversupply
4/23/2023 12:38	0:02	SSA3	0.08777	0.07100	Oversupply
4/23/2023 12:40	0:02	SSA3	0.08705	0.45500	Oversupply
4/23/2023 12:41	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 12:41	0:01	KWPPI	0.00679	0.61773	Oversupply
4/23/2023 12:42	0:02	SSA3	0.08777	0.29300	Oversupply
4/23/2023 12:44	0:02	SSA3	0.07404	0.78800	Oversupply
4/23/2023 12:46	0:02	SSA3	0.06879	0.84600	Oversupply
4/23/2023 12:48	0:02	SSA3	0.06767	0.47300	Oversupply
4/23/2023 12:50	0:02	SSA3	0.06823	0.62000	Oversupply
4/23/2023 12:52	0:02	SSA3	0.06823	0.76200	Oversupply
4/23/2023 12:54	0:02	SSA3	0.06823	0.51400	Oversupply
4/23/2023 12:56	0:02	SSA3	0.06879	1.03600	Oversupply
4/23/2023 12:58	0:02	SSA3	0.06413	1.57300	Oversupply
4/23/2023 13:00	0:02	SSA3	0.04846	0.87000	Oversupply
4/23/2023 13:02	0:02	SSA3	0.04806	0.54000	Oversupply
4/23/2023 13:04	0:02	SSA3	0.04846	1.20400	Oversupply
4/23/2023 13:06	0:02	SSA3	0.04767	1.23500	Oversupply
4/23/2023 13:08	0:02	SSA3	0.04846	1.85000	Oversupply
4/23/2023 13:10	0:02	SSA3	0.05045	1.72300	Oversupply
4/23/2023 13:12	0:02	SSA3	0.04806	1.81400	Oversupply
4/23/2023 13:14	0:02	SSA3	0.03737	1.66800	Oversupply
4/23/2023 13:16	0:02	SSA3	0.03626	1.83700	Oversupply
4/23/2023 13:18	0:02	SSA3	0.03596	1.85100	Oversupply
4/23/2023 13:20	0:02	SSA3	0.03686	1.85000	Oversupply
4/23/2023 13:24	0:02	SSA3	0.03626	1.84200	Oversupply
4/23/2023 13:26	0:02	SSA3	0.03567	1.84600	Oversupply
4/23/2023 13:30	0:02	SSA3	0.03700	1.82900	Oversupply
4/23/2023 13:47	0:02	SSA3	0.06627	1.50100	Oversupply
4/23/2023 13:49	0:02	SSA3	0.06572	0.72800	Oversupply
4/23/2023 13:51	0:02	SSA3	0.06627	0.53400	Oversupply
4/23/2023 13:53	0:01	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 13:53	0:01	KWPPI	0.00108	1.64862	Oversupply
4/23/2023 13:53	0:02	SSA3	0.06572	0.17700	Oversupply
4/23/2023 13:55	0:02	SSA3	0.06682	0.79000	Oversupply
4/23/2023 13:57	0:02	SSA3	0.06682	0.84900	Oversupply
4/23/2023 13:59	0:02	SSA3	0.07520	0.93600	Oversupply
4/23/2023 14:01	0:02	SSA3	0.07889	1.18100	Oversupply
4/23/2023 14:03	0:02	SSA3	0.07889	1.47900	Oversupply
4/23/2023 14:05	0:06	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 14:05	0:06	KWPPI	0.08546	1.58874	Oversupply
4/23/2023 14:05	0:06	SSA3	0.23863	0.00900	Oversupply
4/23/2023 14:07	0:01	AWE	0.00588	6.50000	Oversupply
4/23/2023 14:11	0:02	SSA3	0.07954	0.15900	Oversupply
4/23/2023 14:12	0:02	BS250	Data is not available	Data is not available	Oversupply
4/23/2023 14:12	0:02	KWPPI	0.02669	1.30632	Oversupply
4/23/2023 14:13	0:01	AWE	0.00091	6.50000	Oversupply
4/23/2023 14:13	0:02	SSA3	0.07688	0.04400	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/23/2023 14:15	0:02	SSA3	0.04908	0.81300	Oversupply
4/23/2023 14:17	0:02	SSA3	0.04949	0.53200	Oversupply
4/23/2023 14:19	0:02	SSA3	0.04949	0.70000	Oversupply
4/23/2023 14:21	0:02	SSA3	0.04949	1.40000	Oversupply
4/23/2023 14:23	0:02	SSA3	0.04949	1.53400	Oversupply
4/23/2023 14:25	0:02	SSA3	0.04949	1.21000	Oversupply
4/23/2023 14:27	0:02	SSA3	0.04990	1.05800	Oversupply
4/23/2023 14:29	0:02	SSA3	0.04180	1.64200	Oversupply
4/23/2023 14:31	0:02	SSA3	0.03311	1.64200	Oversupply
4/23/2023 14:33	0:02	SSA3	0.03311	1.64000	Oversupply
4/23/2023 14:35	0:02	SSA3	0.03311	1.50700	Oversupply
4/23/2023 14:37	0:02	SSA3	0.03311	1.46700	Oversupply
4/23/2023 14:45	0:02	SSA3	0.03017	1.59900	Oversupply
4/23/2023 14:47	0:02	SSA3	0.03042	1.58000	Oversupply
4/23/2023 14:49	0:02	SSA3	0.03117	1.57900	Oversupply
4/23/2023 14:53	0:02	SSA3	0.03017	1.55900	Oversupply
4/23/2023 14:55	0:02	SSA3	0.03067	1.54700	Oversupply
4/23/2023 14:57	0:02	SSA3	0.03017	1.54400	Oversupply
4/23/2023 14:59	0:02	SSA3	0.03133	1.51100	Oversupply
4/23/2023 15:01	0:02	SSA3	0.02678	1.52500	Oversupply
4/24/2023 11:50	0:02	SSA3	0.03626	1.42300	Oversupply
4/24/2023 11:52	0:02	SSA3	0.03596	1.64800	Oversupply
4/24/2023 11:54	0:02	SSA3	0.03626	1.89100	Oversupply
4/24/2023 11:56	0:02	SSA3	0.03656	1.88800	Oversupply
4/24/2023 11:58	0:02	SSA3	0.03504	1.89100	Oversupply
4/25/2023 8:51	0:01	AWE	0.00167	0.10000	Oversupply
4/25/2023 9:09	0:01	AWE	0.00333	0.20000	Oversupply
4/25/2023 11:54	0:02	SSA3	0.01693	0.72900	Oversupply
4/25/2023 11:56	0:02	SSA3	0.01679	0.80100	Oversupply
4/25/2023 11:58	0:01	BS250	Data is not available	Data is not available	Oversupply
4/25/2023 11:58	0:01	AWE	0.00447	0.50000	Oversupply
4/25/2023 11:58	0:04	SSA3	0.07191	0.01200	Oversupply
4/25/2023 12:01	0:02	BS250	Data is not available	Data is not available	Oversupply
4/25/2023 12:01	0:02	AWE	0.00937	0.80000	Oversupply
4/25/2023 12:02	0:02	SSA3	0.05617	0.02700	Oversupply
4/25/2023 12:04	0:02	SSA3	0.05617	0.23400	Oversupply
4/25/2023 12:06	0:02	SSA3	0.05525	0.50100	Oversupply
4/25/2023 12:08	0:02	SSA3	0.05617	0.63900	Oversupply
4/25/2023 12:12	0:02	SSA3	0.05525	1.97500	Oversupply
4/25/2023 12:14	0:02	SSA3	0.04249	1.66300	Oversupply
4/26/2023 10:59	0:02	SSA3	0.01927	0.83000	Oversupply
4/26/2023 11:03	0:02	SSA3	0.03551	1.88700	Oversupply
4/26/2023 11:05	0:02	SSA3	0.03521	1.86100	Oversupply
4/26/2023 11:37	0:02	SSA3	0.03675	1.14700	Oversupply
4/26/2023 11:39	0:46	SSA3	1.18271	0.40900	Oversupply
4/26/2023 11:40	0:42	BS250	Data is not available	Data is not available	Oversupply
4/26/2023 11:40	0:42	KWP11	2.38291	5.35303	Oversupply
4/26/2023 11:54	0:03	AWE	0.01122	5.50000	Oversupply
4/26/2023 12:04	0:01	AWE	0.00336	6.70000	Oversupply
4/26/2023 12:12	0:01	AWE	0.00093	8.70000	Oversupply
4/26/2023 12:23	0:02	BS250	Data is not available	Data is not available	Oversupply
4/26/2023 12:23	0:02	KWP11	0.02626	3.85211	Oversupply
4/26/2023 12:25	0:02	SSA3	0.06624	0.12600	Oversupply
4/26/2023 12:28	0:02	SSA3	0.06483	0.57700	Oversupply
4/26/2023 12:30	0:02	SSA3	0.04982	0.73800	Oversupply
4/26/2023 12:32	0:02	SSA3	0.04941	1.05200	Oversupply
4/26/2023 12:34	0:02	SSA3	0.04941	1.08100	Oversupply
4/26/2023 12:36	0:02	SSA3	0.04982	1.36200	Oversupply
4/26/2023 12:38	0:02	SSA3	0.04982	1.51800	Oversupply
4/26/2023 12:40	0:02	SSA3	0.04941	1.43800	Oversupply
4/26/2023 12:44	0:02	SSA3	0.03684	1.77900	Oversupply
4/26/2023 12:46	0:02	SSA3	0.02813	2.02800	Oversupply
4/26/2023 12:56	0:02	SSA3	0.02790	2.11700	Oversupply
4/26/2023 12:58	0:02	SSA3	0.03079	2.07400	Oversupply
4/26/2023 13:00	0:02	SSA3	0.04575	1.95400	Oversupply
4/26/2023 13:04	0:02	SSA3	0.04575	1.98000	Oversupply
4/26/2023 13:06	0:02	SSA3	0.04575	2.11100	Oversupply
4/26/2023 13:08	0:02	SSA3	0.04575	1.38500	Oversupply
4/26/2023 13:10	0:02	SSA3	0.04500	0.81800	Oversupply
4/26/2023 13:12	0:02	SSA3	0.04575	1.20300	Oversupply
4/26/2023 13:14	0:02	SSA3	0.04500	1.38100	Oversupply
4/26/2023 13:16	0:02	SSA3	0.04120	1.01400	Oversupply
4/26/2023 13:18	0:02	SSA3	0.04120	1.80700	Oversupply
4/26/2023 13:20	0:02	SSA3	0.04120	0.82300	Oversupply
4/26/2023 13:22	0:02	SSA3	0.04155	2.01300	Oversupply
4/27/2023 17:53	0:01	AWE	0.00167	0.10000	Oversupply
4/29/2023 4:54	0:30	KWP11	1.54335	6.31007	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/29/2023 5:00	0:03	AWE	0.01602	21.00000	Oversupply
4/29/2023 5:04	0:01	AWE	0.00141	21.00000	Oversupply
4/29/2023 5:06	0:01	AWE	0.00124	21.00000	Oversupply
4/29/2023 5:27	0:01	KWP	0.00214	4.04571	Oversupply
4/29/2023 6:55	0:15	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 6:55	0:10	AWE	0.11564	21.00000	Oversupply
4/29/2023 6:55	10:14	SSA3	14.60688	0.11400	Oversupply
4/29/2023 6:56	0:15	17-2	0.01675	0.09100	Oversupply
4/29/2023 7:03	0:07	KWP	0.07840	2.05180	Oversupply
4/29/2023 7:07	0:03	AWE	0.03788	21.00000	Oversupply
4/29/2023 7:12	9:58	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 7:12	0:01	17-2	0.00148	0.09100	Oversupply
4/29/2023 7:12	0:05	AWE	0.04682	19.50000	Oversupply
4/29/2023 7:14	9:56	17-2	5.18202	0.75000	Oversupply
4/29/2023 7:16	9:54	KWP	119.93626	18.96414	Oversupply
4/29/2023 7:21	0:01	AWE	0.00356	16.30000	Oversupply
4/29/2023 7:24	0:04	AWE	0.04154	17.30000	Oversupply
4/29/2023 7:29	7:03	AWE	80.43453	21.00000	Oversupply
4/29/2023 8:34	0:04	5A	Data is not available	Data is not available	Oversupply
4/29/2023 8:34	0:04	MS	Data is not available	Data is not available	Oversupply
4/29/2023 8:35	0:01	KWP	0.00533	26.16000	Oversupply
4/29/2023 8:40	0:02	5A	Data is not available	Data is not available	Oversupply
4/29/2023 8:40	0:02	MS	Data is not available	Data is not available	Oversupply
4/29/2023 8:44	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 8:44	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:18	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:18	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:20	0:02	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:20	0:02	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:21	0:01	KWP	0.00056	22.48000	Oversupply
4/29/2023 9:27	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:27	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:33	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:33	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:33	0:01	KWP	0.00267	22.00000	Oversupply
4/29/2023 9:35	0:09	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:35	0:09	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:41	0:01	KWP	0.00267	18.16000	Oversupply
4/29/2023 9:45	0:03	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:45	0:03	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:49	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:49	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 9:54	0:10	5A	Data is not available	Data is not available	Oversupply
4/29/2023 9:54	0:10	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:06	0:03	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:06	0:03	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:10	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:10	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:18	0:07	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:18	0:07	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:19	0:01	KWP	0.00267	18.16000	Oversupply
4/29/2023 10:26	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:26	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:26	0:01	KWP	0.00267	17.04000	Oversupply
4/29/2023 10:29	0:04	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:29	0:04	MS	Data is not available	Data is not available	Oversupply
4/29/2023 10:39	0:01	5A	Data is not available	Data is not available	Oversupply
4/29/2023 10:39	0:01	MS	Data is not available	Data is not available	Oversupply
4/29/2023 14:49	0:21	AWE	1.03373	21.00000	Oversupply
4/29/2023 15:11	0:10	AWE	0.35542	21.00000	Oversupply
4/29/2023 17:09	0:02	SSA3	0.00798	0.08500	Oversupply
4/29/2023 17:21	0:03	17-2	0.01388	0.28300	Oversupply
4/29/2023 17:22	0:02	SSA3	0.00424	0.20100	Oversupply
4/29/2023 17:26	0:09	17-2	0.03444	0.27600	Oversupply
4/29/2023 17:26	0:02	SSA3	0.00431	0.20000	Oversupply
4/29/2023 17:28	0:05	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 17:28	0:05	KWP	0.08819	17.88835	Oversupply
4/29/2023 17:28	0:06	SSA3	0.01924	-0.00300	Oversupply
4/29/2023 17:36	0:02	SSA3	0.00716	0.15700	Oversupply
4/29/2023 17:37	0:21	17-2	0.03168	0.21600	Oversupply
4/29/2023 17:38	0:19	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 17:38	0:17	KWP	0.62556	17.94523	Oversupply
4/29/2023 17:38	0:18	SSA3	0.08598	0.00100	Oversupply
4/29/2023 17:56	0:01	KWP	0.00295	17.95621	Oversupply
4/29/2023 17:56	0:02	SSA3	0.01162	0.14200	Oversupply
4/29/2023 18:16	0:01	17-2	0.00002	0.06600	Oversupply
4/29/2023 18:18	0:02	17-2	0.00183	0.05500	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
4/29/2023 18:18	0:02	SSA3	0.00354	0.03000	Oversupply
4/29/2023 18:20	0:01	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 18:20	0:01	KWPPI	0.00314	17.56002	Oversupply
4/29/2023 18:29	0:01	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 18:29	0:01	KWPPI	0.00183	17.94723	Oversupply
4/29/2023 18:30	0:01	17-2	0.00033	0.02400	Oversupply
4/29/2023 18:32	0:01	BS250	Data is not available	Data is not available	Oversupply
4/29/2023 18:32	0:01	KWPPI	0.00134	17.91130	Oversupply
4/29/2023 21:28	0:01	KWPPI	0.00560	17.59695	Oversupply
4/29/2023 22:28	2:13	KWPPI	18.34295	18.46317	Oversupply
4/30/2023 0:43	0:13	KWPPI	0.29545	17.98116	Oversupply
4/30/2023 1:06	0:07	KWPPI	0.19310	17.83346	Oversupply
4/30/2023 1:15	0:03	KWPPI	0.02682	17.00616	Oversupply
4/30/2023 1:20	0:01	KWPPI	0.01064	17.44626	Oversupply
4/30/2023 1:25	0:38	KWPPI	1.07112	16.70378	Oversupply
4/30/2023 2:04	0:14	KWPPI	0.38197	17.23269	Oversupply
4/30/2023 2:20	0:01	KWPPI	0.00572	16.34152	Oversupply
4/30/2023 2:35	0:01	KWPPI	0.00685	16.19482	Oversupply
4/30/2023 2:37	2:38	KWPPI	18.48416	18.05301	Oversupply
4/30/2023 5:16	0:01	KWPPI	0.00897	18.03106	Oversupply
4/30/2023 5:18	0:01	KWPPI	0.00568	18.01010	Oversupply
4/30/2023 7:20	4:18	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 7:20	3:48	KWPPI	43.93524	17.66880	Oversupply
4/30/2023 7:20	4:19	SSA3	8.25078	0.00400	Oversupply
4/30/2023 7:47	0:02	AWE	0.01652	18.10000	Oversupply
4/30/2023 8:07	0:29	AWE	1.90748	19.70000	Oversupply
4/30/2023 8:37	0:01	AWE	0.01155	14.60000	Oversupply
4/30/2023 8:39	0:02	AWE	0.01524	15.60000	Oversupply
4/30/2023 8:42	2:05	AWE	19.04852	21.00000	Oversupply
4/30/2023 10:16	0:01	5A	Data is not available	Data is not available	Oversupply
4/30/2023 10:16	0:01	MS	Data is not available	Data is not available	Oversupply
4/30/2023 10:16	0:01	KWP	0.00533	9.20000	Oversupply
4/30/2023 10:32	0:01	5A	Data is not available	Data is not available	Oversupply
4/30/2023 10:32	0:01	MS	Data is not available	Data is not available	Oversupply
4/30/2023 11:09	0:23	KWPPI	1.74602	14.59909	Oversupply
4/30/2023 11:31	0:15	17-2	0.10720	0.75000	Oversupply
4/30/2023 11:33	0:05	KWPPI	0.09518	11.36771	Oversupply
4/30/2023 11:39	0:02	SSA3	0.04523	0.58900	Oversupply
4/30/2023 11:41	0:02	SSA3	0.05042	0.86400	Oversupply
4/30/2023 11:42	0:01	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 11:42	0:01	KWPPI	0.00590	10.61924	Oversupply
4/30/2023 11:43	0:02	SSA3	0.04260	0.69700	Oversupply
4/30/2023 12:28	0:01	17-2	0.00665	0.39900	Oversupply
4/30/2023 12:55	1:55	17-2	0.76067	0.39900	Oversupply
4/30/2023 12:56	0:02	SSA3	0.01649	0.74600	Oversupply
4/30/2023 12:58	0:02	SSA3	0.01721	0.51600	Oversupply
4/30/2023 13:00	1:32	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 13:00	0:02	SSA3	0.08352	0.01200	Oversupply
4/30/2023 13:01	0:41	KWPPI	1.05988	4.72532	Oversupply
4/30/2023 13:02	1:31	SSA3	3.40272	0.00800	Oversupply
4/30/2023 13:05	1:24	AWE	3.93137	21.00000	Oversupply
4/30/2023 13:43	0:07	KWPPI	0.14248	2.01487	Oversupply
4/30/2023 14:01	0:31	KWPPI	1.30850	4.34310	Oversupply
4/30/2023 14:30	0:01	AWE	0.00308	21.00000	Oversupply
4/30/2023 14:33	0:04	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 14:33	0:04	KWPPI	0.06940	3.06871	Oversupply
4/30/2023 14:33	0:04	SSA3	0.07170	0.14000	Oversupply
4/30/2023 14:37	0:02	SSA3	0.03541	0.30900	Oversupply
4/30/2023 14:39	0:04	SSA3	0.07111	0.29200	Oversupply
4/30/2023 14:45	0:02	SSA3	0.02621	0.62500	Oversupply
4/30/2023 14:47	0:02	SSA3	0.02621	0.63100	Oversupply
4/30/2023 14:53	0:01	17-2	0.00070	0.39900	Oversupply
4/30/2023 14:55	0:10	17-2	0.06650	0.39900	Oversupply
4/30/2023 14:55	0:02	SSA3	0.02599	1.03800	Oversupply
4/30/2023 14:57	0:02	SSA3	0.02642	1.09200	Oversupply
4/30/2023 14:59	0:01	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 14:59	0:01	KWPPI	0.00718	1.25742	Oversupply
4/30/2023 14:59	0:02	SSA3	0.02599	0.35800	Oversupply
4/30/2023 15:01	0:01	BS250	Data is not available	Data is not available	Oversupply
4/30/2023 15:01	0:01	KWPPI	0.00247	1.57777	Oversupply
4/30/2023 15:01	0:02	SSA3	0.02722	0.15000	Oversupply
4/30/2023 15:03	0:02	SSA3	0.02678	0.50300	Oversupply
4/30/2023 15:07	0:02	SSA3	0.02700	1.16000	Oversupply
4/30/2023 15:08	0:01	17-2	0.00665	0.39900	Oversupply
4/30/2023 15:37	0:10	17-2	0.05276	0.39900	Oversupply
4/30/2023 15:39	0:02	SSA3	0.03371	1.63800	Oversupply
4/30/2023 15:41	0:02	SSA3	0.03399	1.40400	Oversupply

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