



August 28, 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 July 2023 on: (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

Any party to this proceeding may obtain an electronic copy of this report by emailing Michael Chu at michael.chu@hawaiianelectric.com.

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura
Director, Regulatory Non-Rate Proceedings

Enclosures

c: Service List

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

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

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

The following provides information with respect to items 1a) through 1b) – (all statements are current as of the month ending December 31, 2022):

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

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

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

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

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

The following provides information with respect to items 2a) through 2c) – (all statements are current as of the month ending December 31, 2022):

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

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

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

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

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

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

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

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

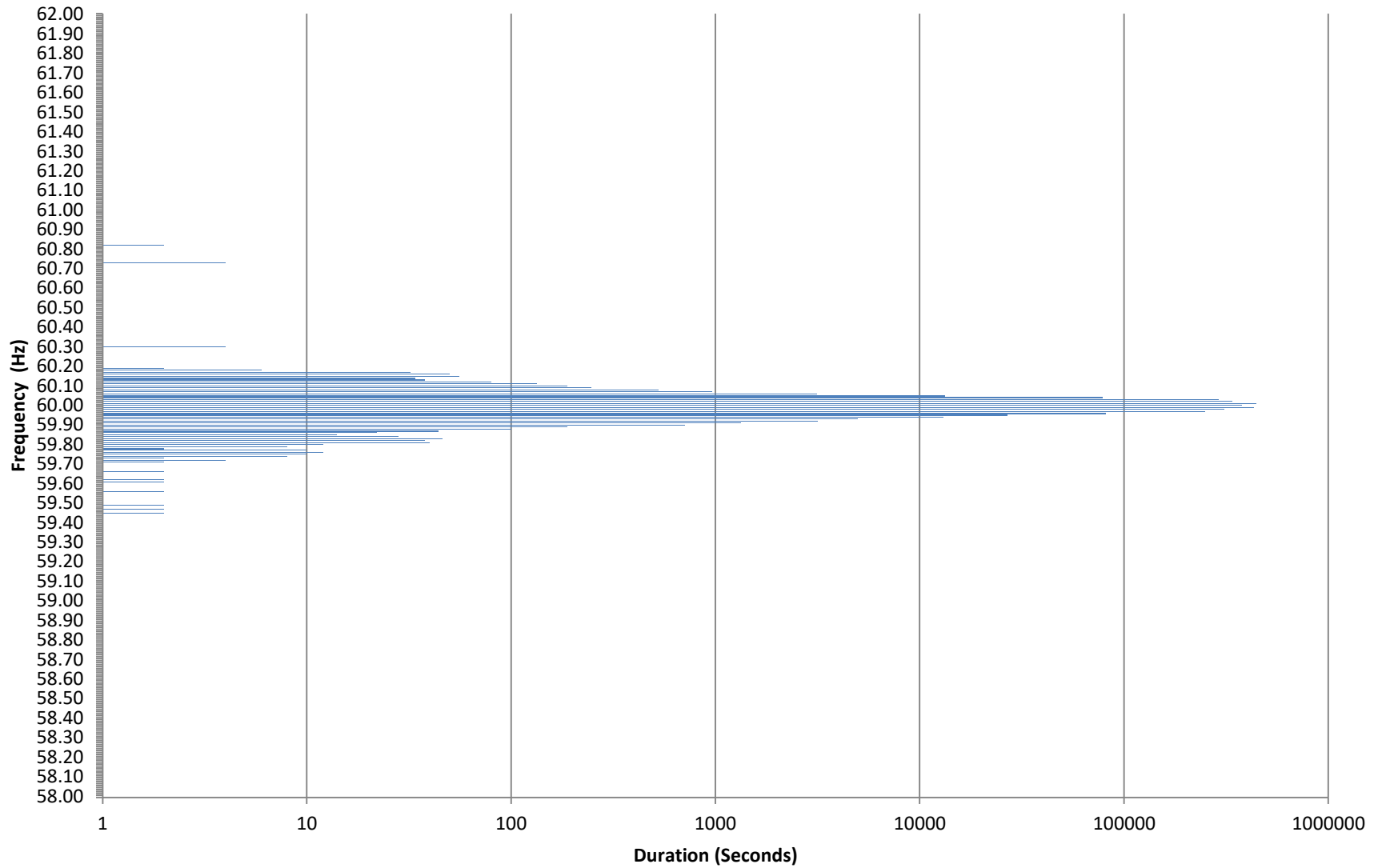
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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

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

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

Frequency Distribution Plot - Hawaiian Electric July 2023





Maui Curtailment Report

July 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/5/2023 12:40	0:02	SSA3	0.09	0.632	Oversupply
7/5/2023 12:42	0:02	SSA3	0.09	0.668	Oversupply
7/5/2023 12:44	0:02	SSA3	0.08	0.324	Oversupply
7/5/2023 12:46	0:02	SSA3	0.04	0.397	Oversupply
7/5/2023 12:48	0:02	SSA3	0.04	0.437	Oversupply
7/5/2023 12:50	0:02	SSA3	0.04	0.703	Oversupply
7/5/2023 12:54	0:01	17-2	0.00830	0.49800	Oversupply
7/5/2023 13:02	0:02	17-2	0.00263	0.57600	Oversupply
7/5/2023 13:26	0:01	17-2	0.00469	0.75000	Oversupply
7/5/2023 13:30	0:01	17-2	0.00144	0.34300	Oversupply
7/6/2023 0:05	0:03	KWPPII	0.01411	18.22965	Oversupply
7/6/2023 0:45	0:01	KWPPII	0.00315	20.55489	Oversupply
7/6/2023 0:47	0:01	KWPPII	0.01175	20.55089	Oversupply
7/6/2023 0:53	0:09	KWPPII	0.28105	19.09687	Oversupply
7/6/2023 1:06	0:01	KWPPII	0.00427	18.59789	Oversupply
7/6/2023 2:45	0:16	KWPPII	0.94020	20.24652	Oversupply
7/6/2023 3:12	0:40	KWPPII	3.69965	21.07981	Oversupply
7/6/2023 3:53	0:01	KWPPII	0.00498	20.29242	Oversupply
7/6/2023 4:58	0:01	KWPPII	0.00348	10.90366	Oversupply
7/6/2023 5:00	0:08	KWPPII	0.23655	14.75876	Oversupply
7/6/2023 5:09	0:02	KWPPII	0.02377	13.98834	Oversupply
7/6/2023 7:51	0:02	SSA3	0.02	0.151	Oversupply
7/6/2023 7:52	0:01	17-2	0.00095	0.05700	Oversupply
7/6/2023 7:54	0:17	17-2	0.00089	0.06800	Oversupply
7/6/2023 7:55	0:16	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 7:55	0:02	SSA3	0.02	0.292	Oversupply
7/6/2023 7:57	0:14	KWPPII	0.32351	18.05900	Oversupply
7/6/2023 7:57	0:14	SSA3	0.21	0.011	Oversupply
7/6/2023 8:24	0:16	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 8:24	0:17	17-2	0.00089	0.06800	Oversupply
7/6/2023 8:25	0:14	SSA3	0.19	0.004	Oversupply
7/6/2023 8:26	6:32	KWPPII	61.45635	21.10775	System Constraint
7/6/2023 8:39	0:02	SSA3	0.03	0.136	Oversupply
7/6/2023 8:44	0:01	17-2	0.00005	0.06800	Oversupply
7/6/2023 8:56	0:01	17-2	0.00254	0.26700	Oversupply
7/6/2023 9:09	0:03	17-2	0.01013	0.25000	Oversupply
7/6/2023 9:21	0:03	17-2	0.00447	0.10500	Oversupply
7/6/2023 9:25	0:10	17-2	0.02409	0.17500	Oversupply
7/6/2023 9:30	0:02	SSA3	0.05	0.657	Oversupply
7/6/2023 9:32	0:02	SSA3	0.05	0.679	Oversupply
7/6/2023 9:36	0:02	SSA3	0.05	0.649	Oversupply
7/6/2023 9:37	0:02	17-2	0.00632	0.19400	Oversupply
7/6/2023 9:40	0:03	17-2	0.00847	0.19800	Oversupply
7/6/2023 9:40	0:02	SSA3	0.05	0.676	Oversupply
7/6/2023 9:44	0:17	17-2	0.07087	0.50700	Oversupply
7/6/2023 9:44	0:02	SSA3	0.06	0.699	Oversupply
7/6/2023 9:46	0:02	SSA3	0.05	0.091	Oversupply
7/6/2023 9:48	0:02	SSA3	0.05	0.073	Oversupply
7/6/2023 9:50	0:02	SSA3	0.05	0.707	Oversupply
7/6/2023 9:52	0:02	SSA3	0.05	0.613	Oversupply
7/6/2023 9:54	0:02	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 9:54	0:04	SSA3	0.09	0.024	Oversupply
7/6/2023 10:02	0:18	17-2	0.07683	0.70500	Oversupply
7/6/2023 10:02	0:02	SSA3	0.07	0.723	Oversupply
7/6/2023 10:03	0:13	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 10:04	0:12	SSA3	0.40	0.005	Oversupply
7/6/2023 10:16	0:02	SSA3	0.06	0.442	Oversupply
7/6/2023 10:18	0:02	SSA3	0.06	0.753	Oversupply
7/6/2023 10:30	0:02	17-2	0.00288	0.60800	Oversupply
7/6/2023 10:42	0:09	17-2	0.10005	0.74800	Oversupply
7/6/2023 10:43	0:02	SSA3	0.06	0.844	Oversupply
7/6/2023 10:44	0:02	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 10:45	0:02	SSA3	0.07	0.016	Oversupply
7/6/2023 10:47	0:02	SSA3	0.07	0.824	Oversupply
7/6/2023 10:49	0:02	SSA3	0.07	0.823	Oversupply
7/6/2023 10:53	0:24	17-2	0.27271	0.75000	Oversupply
7/6/2023 10:53	0:02	SSA3	0.07	0.838	Oversupply
7/6/2023 10:54	0:15	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 10:55	0:14	SSA3	0.52	0.123	Oversupply
7/6/2023 11:09	0:02	SSA3	0.08	0.634	Oversupply
7/6/2023 11:11	0:02	SSA3	0.08	0.871	Oversupply
7/6/2023 11:13	0:02	SSA3	0.07	0.73	Oversupply
7/6/2023 11:15	0:02	SSA3	0.06	0.864	Oversupply
7/6/2023 11:17	0:02	SSA3	0.06	0.869	Oversupply
7/6/2023 11:18	0:10	17-2	0.11645	0.75000	Oversupply
7/6/2023 11:19	0:02	SSA3	0.06	0.882	Oversupply
7/6/2023 11:21	0:02	SSA3	0.06	0.503	Oversupply



Maui Curtailment Report

July 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/6/2023 11:25	0:02	SSA3	0.06	0.964	Oversupply
7/6/2023 11:30	0:01	17-2	0.00097	0.75000	Oversupply
7/6/2023 11:33	3:37	17-2	2.48732	0.75000	Oversupply
7/6/2023 11:33	0:02	SSA3	0.07	0.895	Oversupply
7/6/2023 11:35	0:02	SSA3	0.07	0.895	Oversupply
7/6/2023 11:37	0:02	SSA3	0.07	0.892	Oversupply
7/6/2023 11:39	0:02	SSA3	0.07	0.878	Oversupply
7/6/2023 11:41	0:02	SSA3	0.07	0.88	Oversupply
7/6/2023 11:43	0:03	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 11:43	0:02	SSA3	0.08	0.028	Oversupply
7/6/2023 11:45	0:02	SSA3	0.09	0.163	Oversupply
7/6/2023 11:47	3:07	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 11:47	3:06	SSA3	7.12	0.015	Oversupply
7/6/2023 13:21	0:18	AWE	0.68795	21.00000	Oversupply
7/6/2023 13:40	0:01	AWE	0.00885	21.00000	Oversupply
7/6/2023 13:49	0:01	AWE	0.00124	21.00000	Oversupply
7/6/2023 13:51	0:01	AWE	0.00559	21.00000	Oversupply
7/6/2023 13:53	0:28	AWE	1.18922	21.00000	Oversupply
7/6/2023 14:54	0:02	SSA3	0.05	0.052	Oversupply
7/6/2023 14:55	0:02	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 14:56	0:02	SSA3	0.05	0.01	Oversupply
7/6/2023 14:58	0:02	SSA3	0.05	0.273	Oversupply
7/6/2023 15:00	0:02	SSA3	0.05	0.58	Oversupply
7/6/2023 15:02	0:01	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 15:02	0:14	KWP/II	0.30645	16.02716	System Constraint
7/6/2023 15:02	0:02	SSA3	0.04	0.21	Oversupply
7/6/2023 15:04	0:02	BS250	Data is not available	Data is not available	Oversupply
7/6/2023 15:04	0:02	SSA3	0.05	0.009	Oversupply
7/6/2023 15:06	0:02	SSA3	0.05	0.265	Oversupply
7/6/2023 15:08	0:02	SSA3	0.05	0.846	Oversupply
7/6/2023 15:12	0:03	17-2	0.02587	0.75000	Oversupply
7/6/2023 15:12	0:02	SSA3	0.05	0.816	Oversupply
7/6/2023 15:16	0:02	17-2	0.00863	0.75000	Oversupply
7/6/2023 15:17	0:13	KWP/II	0.31678	15.85951	System Constraint
7/6/2023 15:20	0:03	17-2	0.01982	0.75000	Oversupply
7/6/2023 15:20	0:02	SSA3	0.03	0.409	Oversupply
7/6/2023 15:46	0:04	KWP/II	0.06904	14.62603	System Constraint
7/6/2023 15:53	0:01	KWP/II	0.01167	13.69993	System Constraint
7/6/2023 15:58	0:17	KWP/II	0.38383	16.01020	System Constraint
7/6/2023 23:55	0:18	KWP/II	0.85795	20.98101	Oversupply
7/7/2023 0:24	0:11	KWP/II	0.21944	20.90417	Oversupply
7/7/2023 1:03	0:02	KWP/II	0.00472	20.88221	Oversupply
7/7/2023 1:07	0:01	KWP/II	0.00082	20.59680	Oversupply
7/7/2023 1:12	0:01	KWP/II	0.00211	20.84230	Oversupply
7/7/2023 1:14	0:08	KWP/II	0.12753	20.95506	Oversupply
7/7/2023 1:29	0:08	KWP/II	0.15712	21.00397	Oversupply
7/7/2023 2:24	0:01	KWP/II	0.00868	20.94608	Oversupply
7/7/2023 5:33	0:31	KWP/II	1.77869	20.67165	Oversupply
7/7/2023 5:49	0:14	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 6:16	0:03	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 6:17	0:02	KWP/II	0.03008	20.08684	Oversupply
7/7/2023 6:34	0:22	SSA3	0.08	0.024	Oversupply
7/7/2023 6:35	0:24	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 6:36	0:24	17-2	0.01320	0.03300	Oversupply
7/7/2023 6:36	0:23	KWP/II	1.24226	21.04688	Oversupply
7/7/2023 6:57	0:04	SSA3	0.02	0.035	Oversupply
7/7/2023 7:07	0:02	SSA3	0.01	0.107	Oversupply
7/7/2023 7:08	0:01	17-2	0.00055	0.03300	Oversupply
7/7/2023 7:28	0:02	17-2	0.00110	0.03300	Oversupply
7/7/2023 8:05	0:02	SSA3	0.03	0.335	Oversupply
7/7/2023 8:06	0:42	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 8:07	0:50	KWP/II	2.70895	20.96405	Oversupply
7/7/2023 8:07	0:58	17-2	0.15422	0.34300	Oversupply
7/7/2023 8:07	0:51	SSA3	1.07	0.018	Oversupply
7/7/2023 8:49	0:06	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 8:56	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 8:58	0:02	SSA3	0.05	0.389	Oversupply
7/7/2023 9:00	0:02	SSA3	0.05	0.507	Oversupply
7/7/2023 9:02	0:01	KWP/II	0.00111	20.91215	Oversupply
7/7/2023 9:02	0:02	SSA3	0.04	0.213	Oversupply
7/7/2023 9:04	0:02	SSA3	0.04	0.55	Oversupply
7/7/2023 9:06	0:01	17-2	0.00144	0.16600	Oversupply
7/7/2023 9:08	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 9:08	4:23	17-2	1.81943	0.75000	Oversupply
7/7/2023 9:08	0:04	SSA3	0.09	0.472	Oversupply
7/7/2023 9:12	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 9:12	0:02	SSA3	0.04	0.241	Oversupply



Maui Curtailment Report

July 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/7/2023 9:14	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 9:14	0:02	SSA3	0.06	0.231	Oversupply
7/7/2023 9:16	0:53	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 9:16	0:53	KWPPII	5.49501	20.95706	Oversupply
7/7/2023 9:16	0:51	SSA3	1.69	0.009	Oversupply
7/7/2023 10:07	0:02	SSA3	0.07	0.066	Oversupply
7/7/2023 10:09	0:02	SSA3	0.07	0.171	Oversupply
7/7/2023 10:11	0:02	SSA3	0.07	0.734	Oversupply
7/7/2023 10:13	0:02	SSA3	0.07	0.743	Oversupply
7/7/2023 10:17	0:02	SSA3	0.07	0.756	Oversupply
7/7/2023 10:19	0:02	SSA3	0.07	0.758	Oversupply
7/7/2023 10:21	2:50	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 10:21	2:53	KWPPII	38.88943	20.98400	Oversupply
7/7/2023 10:21	2:50	SSA3	7.11	0.248	Oversupply
7/7/2023 11:46	0:06	AWE	0.09169	21.00000	Oversupply
7/7/2023 12:13	0:02	AWE	0.01715	21.00000	Oversupply
7/7/2023 12:16	0:10	AWE	0.22971	21.00000	Oversupply
7/7/2023 12:32	0:01	AWE	0.00024	21.00000	Oversupply
7/7/2023 13:11	0:02	SSA3	0.09	0.019	Oversupply
7/7/2023 13:12	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 13:13	0:02	SSA3	0.09	0.226	Oversupply
7/7/2023 13:14	0:11	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 13:15	0:08	SSA3	0.31	0.008	Oversupply
7/7/2023 13:16	0:05	KWPPII	0.11721	20.63572	Oversupply
7/7/2023 13:22	0:01	KWPPII	0.00787	20.65767	Oversupply
7/7/2023 13:23	0:02	SSA3	0.08	0.032	Oversupply
7/7/2023 13:24	0:01	KWPPII	0.01094	20.98201	Oversupply
7/7/2023 13:25	0:02	SSA3	0.08	0.335	Oversupply
7/7/2023 13:27	0:02	SSA3	0.08	0.831	Oversupply
7/7/2023 13:29	0:02	SSA3	0.07	0.714	Oversupply
7/7/2023 13:31	0:02	SSA3	0.05	0.601	Oversupply
7/7/2023 13:32	0:07	17-2	0.03210	0.33600	Oversupply
7/7/2023 13:33	0:02	SSA3	0.05	0.636	Oversupply
7/7/2023 13:35	0:02	SSA3	0.05	0.601	Oversupply
7/7/2023 13:42	0:01	17-2	0.00518	0.31100	Oversupply
7/7/2023 14:19	0:35	KWPPII	1.80713	19.80742	Oversupply
7/7/2023 14:22	0:35	17-2	0.22975	0.75000	Oversupply
7/7/2023 14:23	0:02	SSA3	0.03	0.221	Oversupply
7/7/2023 14:26	0:06	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 14:26	0:02	SSA3	0.03	0.346	Oversupply
7/7/2023 14:28	0:04	SSA3	0.07	-0.005	Oversupply
7/7/2023 14:32	0:02	SSA3	0.04	-0.003	Oversupply
7/7/2023 14:34	0:02	SSA3	0.04	0.189	Oversupply
7/7/2023 14:36	0:02	SSA3	0.04	0.106	Oversupply
7/7/2023 14:37	0:17	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 14:38	0:14	SSA3	0.26	-0.003	Oversupply
7/7/2023 14:52	0:02	SSA3	0.04	0.019	Oversupply
7/7/2023 14:54	0:02	SSA3	0.04	0.27	Oversupply
7/7/2023 14:59	0:02	17-2	0.00725	0.23100	Oversupply
7/7/2023 15:02	1:56	17-2	0.35703	0.75000	Oversupply
7/7/2023 15:04	0:02	SSA3	0.02	0.26	Oversupply
7/7/2023 15:06	0:02	SSA3	0.02	0.206	Oversupply
7/7/2023 15:08	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 15:08	0:02	SSA3	0.02	0.022	Oversupply
7/7/2023 15:10	1:37	SSA3	1.74	0.181	Oversupply
7/7/2023 15:11	1:35	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 15:11	1:36	KWPPII	9.71500	21.00995	Oversupply
7/7/2023 16:47	0:02	SSA3	0.04	0.493	Oversupply
7/7/2023 16:49	0:04	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 16:49	0:04	SSA3	0.08	0.008	Oversupply
7/7/2023 16:50	0:03	KWPPII	0.01800	20.84030	Oversupply
7/7/2023 16:53	0:02	SSA3	0.04	-0.003	Oversupply
7/7/2023 16:54	0:01	KWPPII	0.00203	20.74749	Oversupply
7/7/2023 17:38	0:01	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 17:38	0:02	17-2	0.00520	0.16300	Oversupply
7/7/2023 17:38	0:02	SSA3	0.01	0.119	Oversupply
7/7/2023 17:42	0:07	17-2	0.00917	0.08900	Oversupply
7/7/2023 17:51	0:01	17-2	0.00109	0.07700	Oversupply
7/7/2023 17:55	0:01	17-2	0.00195	0.11700	Oversupply
7/7/2023 18:34	0:04	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 18:35	0:14	KWPPII	0.19200	20.96704	Oversupply
7/7/2023 18:35	0:16	SSA3	0.01	0.017	Oversupply
7/7/2023 18:39	0:11	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 18:57	0:03	BS250	Data is not available	Data is not available	Oversupply
7/7/2023 18:57	0:03	KWPPII	0.02385	20.91315	Oversupply
7/7/2023 19:05	0:01	KWPPII	0.00245	20.61776	Oversupply
7/7/2023 19:09	0:02	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/7/2023 19:10	0:09	KWP/II	0.05736	21.01394	Oversupply
7/7/2023 19:20	0:01	KWP/II	0.00177	20.95307	Oversupply
7/7/2023 19:49	0:02	KWP/II	0.00198	20.72354	Oversupply
7/7/2023 19:53	0:01	KWP/II	0.00335	20.89219	Oversupply
7/7/2023 19:56	0:23	KWP/II	0.43255	20.98700	Oversupply
7/7/2023 20:26	0:01	KWP/II	0.00173	20.96804	Oversupply
7/7/2023 21:28	0:04	KWP/II	0.03692	20.87024	Oversupply
7/7/2023 21:33	3:08	KWP/II	32.41676	20.96704	Oversupply
7/7/2023 23:09	0:01	AWE	0.01224	21.00000	Oversupply
7/7/2023 23:11	0:06	AWE	0.09362	21.00000	Oversupply
7/7/2023 23:28	0:03	AWE	0.03677	21.00000	Oversupply
7/7/2023 23:32	0:01	AWE	0.00324	20.70000	Oversupply
7/8/2023 1:00	0:01	KWP/II	0.00161	20.93211	Oversupply
7/8/2023 1:02	3:42	KWP/II	36.75887	20.95008	Oversupply
7/8/2023 7:15	8:17	BS250	Data is not available	Data is not available	Oversupply
7/8/2023 7:15	8:32	17-2	3.47340	0.75000	Oversupply
7/8/2023 7:16	8:16	KWP/II	132.54673	20.92213	Oversupply
7/8/2023 7:16	8:15	SSA3	17.13	-0.004	Oversupply
7/8/2023 9:19	0:07	AWE	0.14624	21.00000	Oversupply
7/8/2023 9:28	0:01	AWE	0.00441	21.00000	Oversupply
7/8/2023 9:31	0:01	AWE	0.00246	21.00000	Oversupply
7/8/2023 9:36	4:56	AWE	51.17099	21.00000	Oversupply
7/8/2023 14:33	0:01	AWE	0.00407	21.00000	Oversupply
7/8/2023 15:31	0:02	SSA3	0.03	0.038	Oversupply
7/8/2023 15:33	0:02	SSA3	0.03	0.058	Oversupply
7/8/2023 15:34	0:02	BS250	Data is not available	Data is not available	Oversupply
7/8/2023 15:35	0:02	SSA3	0.03	0.014	Oversupply
7/8/2023 15:37	0:01	KWP/II	0.00234	20.60578	Oversupply
7/8/2023 15:37	0:02	SSA3	0.03	0.074	Oversupply
7/8/2023 15:39	0:02	SSA3	0.03	0.356	Oversupply
7/8/2023 15:43	0:02	SSA3	0.03	0.869	Oversupply
7/8/2023 15:45	0:02	SSA3	0.04	0.834	Oversupply
7/8/2023 15:47	0:02	SSA3	0.04	0.412	Oversupply
7/8/2023 15:48	0:21	17-2	0.18000	0.75000	Oversupply
7/8/2023 15:49	0:02	SSA3	0.04	0.303	Oversupply
7/8/2023 15:51	0:02	SSA3	0.04	0.693	Oversupply
7/8/2023 15:53	0:02	SSA3	0.04	0.614	Oversupply
7/8/2023 15:55	0:02	SSA3	0.04	0.592	Oversupply
7/8/2023 15:57	0:02	SSA3	0.04	0.315	Oversupply
7/8/2023 15:59	0:02	SSA3	0.04	0.223	Oversupply
7/8/2023 16:01	0:02	SSA3	0.02	0.235	Oversupply
7/8/2023 16:05	0:02	SSA3	0.02	0.479	Oversupply
7/8/2023 16:07	0:02	SSA3	0.02	0.372	Oversupply
7/8/2023 16:15	0:02	SSA3	0.02	0.363	Oversupply
7/8/2023 16:16	0:01	17-2	0.00422	0.25300	Oversupply
7/8/2023 16:18	0:01	17-2	0.00694	0.62700	Oversupply
7/8/2023 16:20	0:02	17-2	0.01227	0.61000	Oversupply
7/8/2023 16:23	0:02	17-2	0.01803	0.64800	Oversupply
7/8/2023 16:24	0:02	SSA3	0.02	0.222	Oversupply
7/8/2023 16:28	0:02	SSA3	0.02	0.207	Oversupply
7/8/2023 16:29	0:01	17-2	0.01030	0.61800	Oversupply
7/8/2023 17:08	0:03	17-2	0.00392	0.19800	Oversupply
7/8/2023 17:12	0:02	17-2	0.00418	0.13100	Oversupply
7/8/2023 17:13	0:02	SSA3	0.01	0.139	Oversupply
7/8/2023 23:46	0:32	KWP/II	3.10353	20.91016	Oversupply
7/9/2023 0:58	5:02	KWP/II	44.52865	20.92413	Oversupply
7/9/2023 4:43	0:18	AWE	0.93843	19.00000	Oversupply
7/9/2023 5:49	0:10	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 7:15	0:02	SSA3	0.01	0.13	Oversupply
7/9/2023 7:17	0:01	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 7:17	0:01	17-2	0.00105	0.06300	Oversupply
7/9/2023 7:17	0:01	KWP/II	0.00093	20.91116	Oversupply
7/9/2023 7:20	0:01	17-2	0.00105	0.06300	Oversupply
7/9/2023 7:31	0:03	17-2	0.00380	0.08500	Oversupply
7/9/2023 7:32	0:02	SSA3	0.02	0.117	Oversupply
7/9/2023 7:35	8:43	17-2	4.03459	0.75000	Oversupply
7/9/2023 7:36	0:01	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 7:36	0:02	SSA3	0.02	0.009	Oversupply
7/9/2023 7:38	0:02	SSA3	0.02	0.248	Oversupply
7/9/2023 7:39	8:06	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 7:40	8:05	KWP/II	141.55596	20.92812	Oversupply
7/9/2023 7:40	8:36	SSA3	15.99	0.013	Oversupply
7/9/2023 8:21	4:36	AWE	40.38198	20.60000	Oversupply
7/9/2023 11:16	0:01	5A	Data is not available	Data is not available	Oversupply
7/9/2023 11:16	0:01	MS	Data is not available	Data is not available	Oversupply
7/9/2023 13:05	1:05	AWE	10.31968	20.30000	Oversupply
7/9/2023 13:31	0:01	5A	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/9/2023 13:31	0:01	MS	Data is not available	Data is not available	Oversupply
7/9/2023 13:34	0:01	5A	Data is not available	Data is not available	Oversupply
7/9/2023 13:34	0:01	MS	Data is not available	Data is not available	Oversupply
7/9/2023 14:12	0:35	AWE	4.20019	20.00000	Oversupply
7/9/2023 15:46	0:31	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 15:47	0:30	KWPIL	2.09794	20.85627	Oversupply
7/9/2023 16:16	0:02	SSA3	0.01	0.109	Oversupply
7/9/2023 16:21	0:08	17-2	0.03000	0.23600	Oversupply
7/9/2023 16:22	0:02	SSA3	0.01	0.172	Oversupply
7/9/2023 16:24	0:02	SSA3	0.01	0.064	Oversupply
7/9/2023 16:25	0:02	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 16:25	0:02	KWPIL	0.00572	20.86824	Oversupply
7/9/2023 16:26	0:02	SSA3	0.01	0.037	Oversupply
7/9/2023 16:34	0:02	SSA3	0.01	0.148	Oversupply
7/9/2023 16:35	0:02	17-2	0.00316	0.15300	Oversupply
7/9/2023 16:38	0:02	SSA3	0.01	0.161	Oversupply
7/9/2023 16:39	0:01	17-2	0.00275	0.16500	Oversupply
7/9/2023 16:43	0:01	17-2	0.00247	0.16300	Oversupply
7/9/2023 16:47	0:10	17-2	0.02448	0.16800	Oversupply
7/9/2023 16:47	0:02	SSA3	0.01	0.146	Oversupply
7/9/2023 16:49	0:02	SSA3	0.01	0.166	Oversupply
7/9/2023 16:51	0:01	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 16:51	0:02	SSA3	0.01	0.022	Oversupply
7/9/2023 16:52	0:01	KWPIL	0.00063	20.38523	Oversupply
7/9/2023 16:53	0:02	SSA3	0.01	0.176	Oversupply
7/9/2023 16:55	0:02	SSA3	0.01	0.188	Oversupply
7/9/2023 17:02	0:01	BS250	Data is not available	Data is not available	Oversupply
7/9/2023 17:02	0:02	17-2	0.00390	0.12300	Oversupply
7/9/2023 17:03	0:02	SSA3	0.01	0.187	Oversupply
7/9/2023 17:05	0:01	17-2	0.00203	0.12200	Oversupply
7/10/2023 0:32	0:18	KWPIL	0.41220	21.03989	Oversupply
7/10/2023 7:41	0:02	SSA3	0.02	0.227	Oversupply
7/10/2023 7:42	0:01	17-2	0.00115	0.06900	Oversupply
7/10/2023 7:46	1:33	17-2	0.25782	0.44100	Oversupply
7/10/2023 7:47	1:30	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 7:47	1:31	SSA3	1.95	0.039	Oversupply
7/10/2023 7:48	1:29	KWPIL	16.01306	20.95806	Oversupply
7/10/2023 9:24	0:07	17-2	0.02730	0.33000	Oversupply
7/10/2023 9:24	0:02	SSA3	0.05	0.425	Oversupply
7/10/2023 9:25	0:01	KWPIL	0.00516	13.35663	Oversupply
7/10/2023 9:26	0:02	SSA3	0.05	0.527	Oversupply
7/10/2023 9:28	0:02	SSA3	0.05	0.623	Oversupply
7/10/2023 9:32	3:06	17-2	1.66030	0.75000	Oversupply
7/10/2023 9:32	0:02	SSA3	0.05	0.628	Oversupply
7/10/2023 9:34	0:02	SSA3	0.05	0.606	Oversupply
7/10/2023 9:36	0:02	SSA3	0.05	0.604	Oversupply
7/10/2023 9:38	0:02	SSA3	0.05	0.63	Oversupply
7/10/2023 9:40	0:02	SSA3	0.05	0.294	Oversupply
7/10/2023 9:41	2:53	KWPIL	30.28464	18.61187	Oversupply
7/10/2023 9:42	2:51	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 9:42	2:52	SSA3	6.90	0.01	Oversupply
7/10/2023 11:13	0:07	AWE	0.08266	18.60000	Oversupply
7/10/2023 11:23	0:02	AWE	0.01317	18.80000	Oversupply
7/10/2023 11:28	0:02	AWE	0.01980	19.00000	Oversupply
7/10/2023 11:31	0:29	AWE	1.10185	18.70000	Oversupply
7/10/2023 12:34	0:02	SSA3	0.06	0.848	Oversupply
7/10/2023 13:01	0:02	17-2	0.00968	0.70200	Oversupply
7/10/2023 13:11	0:01	17-2	0.00646	0.75000	Oversupply
7/10/2023 13:22	0:01	17-2	0.01237	0.75000	Oversupply
7/10/2023 13:25	0:01	17-2	0.00862	0.51700	Oversupply
7/10/2023 13:27	0:34	17-2	0.24609	0.75000	Oversupply
7/10/2023 13:29	0:04	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 13:29	0:04	SSA3	0.06	0.334	Oversupply
7/10/2023 13:31	0:21	KWPIL	0.64095	14.84059	Oversupply
7/10/2023 13:33	0:02	SSA3	0.03	0.035	Oversupply
7/10/2023 13:34	0:11	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 13:35	0:16	SSA3	0.22	0.012	Oversupply
7/10/2023 13:47	0:05	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 13:51	0:02	SSA3	0.02	0.087	Oversupply
7/10/2023 13:53	0:02	SSA3	0.02	0.32	Oversupply
7/10/2023 13:55	0:02	SSA3	0.02	0.336	Oversupply
7/10/2023 13:57	0:02	SSA3	0.02	0.217	Oversupply
7/10/2023 13:58	0:01	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 13:58	0:01	KWPIL	0.00226	10.42863	Oversupply
7/10/2023 14:02	0:04	17-2	0.04612	0.75000	Oversupply
7/10/2023 14:03	0:02	SSA3	0.02	0.343	Oversupply
7/10/2023 14:07	0:01	17-2	0.00355	0.21300	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/10/2023 14:12	0:04	17-2	0.03116	0.75000	Oversupply
7/10/2023 14:13	0:02	SSA3	0.02	0.377	Oversupply
7/10/2023 14:21	0:01	17-2	0.01250	0.75000	Oversupply
7/10/2023 15:26	1:07	17-2	0.44329	0.75000	Oversupply
7/10/2023 15:26	0:02	SSA3	0.03	0.826	Oversupply
7/10/2023 15:28	0:02	SSA3	0.03	0.489	Oversupply
7/10/2023 15:29	1:03	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 15:30	1:01	KWPPII	12.79388	19.38927	Oversupply
7/10/2023 15:30	1:03	SSA3	1.41	0.013	Oversupply
7/10/2023 15:37	0:04	AWE	0.05269	18.70000	Oversupply
7/10/2023 15:42	0:02	AWE	0.01597	18.40000	Oversupply
7/10/2023 15:46	0:01	AWE	0.01073	18.80000	Oversupply
7/10/2023 15:48	0:20	AWE	1.20228	19.00000	Oversupply
7/10/2023 16:38	0:01	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 16:38	0:03	17-2	0.01472	0.35400	Oversupply
7/10/2023 17:09	0:02	SSA3	0.02	0.006	Oversupply
7/10/2023 17:10	0:03	17-2	0.00419	0.11900	Oversupply
7/10/2023 17:11	0:02	SSA3	0.02	0.246	Oversupply
7/10/2023 17:13	0:02	SSA3	0.02	0.208	Oversupply
7/10/2023 17:14	0:01	17-2	0.00265	0.15900	Oversupply
7/10/2023 17:27	0:04	17-2	0.01047	0.18600	Oversupply
7/10/2023 17:27	0:02	SSA3	0.02	0.308	Oversupply
7/10/2023 17:28	0:01	BS250	Data is not available	Data is not available	Oversupply
7/10/2023 17:29	0:02	SSA3	0.02	0.323	Oversupply
7/10/2023 17:33	0:01	17-2	0.00152	0.09100	Oversupply
7/10/2023 17:35	0:01	17-2	0.00152	0.09100	Oversupply
7/10/2023 20:48	0:02	KWPPII	0.04674	20.18365	Oversupply
7/10/2023 20:51	0:01	KWPPII	0.00024	19.26253	Oversupply
7/10/2023 22:04	0:10	KWPPII	0.25507	20.41916	Oversupply
7/10/2023 22:41	3:22	KWPPII	34.94358	21.06285	Oversupply
7/11/2023 0:34	0:01	AWE	0.00024	19.60000	Oversupply
7/11/2023 0:36	0:01	AWE	0.00044	19.50000	Oversupply
7/11/2023 2:05	0:01	KWPPII	0.00387	8.35189	Oversupply
7/11/2023 2:13	0:08	KWPPII	0.44797	11.55532	Oversupply
7/11/2023 3:10	0:31	KWPPII	0.97274	10.94158	Oversupply
7/11/2023 6:04	0:01	KWPPII	0.00013	0.00798	System Constraint
7/11/2023 6:31	1:43	SSA3	1.02	0.017	Oversupply
7/11/2023 6:32	1:46	17-2	0.11907	0.17000	Oversupply
7/11/2023 6:34	1:41	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 6:35	0:02	KWPPII	0.01409	7.92476	System Constraint
7/11/2023 6:40	1:06	AWE	9.69477	21.00000	Oversupply
7/11/2023 6:40	1:36	KWPPII	9.83856	13.49934	System Constraint
7/11/2023 8:14	0:02	SSA3	0.03	-0.002	Oversupply
7/11/2023 8:16	0:01	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 8:16	0:02	SSA3	0.03	0.017	Oversupply
7/11/2023 8:36	0:02	17-2	0.00307	0.09300	Oversupply
7/11/2023 8:37	0:02	SSA3	0.04	0.454	Oversupply
7/11/2023 8:41	1:32	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 8:41	7:12	17-2	4.46693	0.75000	Oversupply
7/11/2023 8:41	2:20	SSA3	4.45	0.471	Oversupply
7/11/2023 8:42	8:19	KWPPII	81.03344	21.02392	System Constraint
7/11/2023 8:45	0:03	AWE	0.03102	19.40000	Oversupply
7/11/2023 8:49	0:02	AWE	0.07713	20.20000	Oversupply
7/11/2023 9:08	0:01	AWE	0.00074	21.00000	Oversupply
7/11/2023 9:10	0:01	AWE	0.00757	21.00000	Oversupply
7/11/2023 9:13	0:01	AWE	0.00621	19.40000	Oversupply
7/11/2023 9:20	0:01	AWE	0.00706	18.20000	Oversupply
7/11/2023 9:22	0:05	AWE	0.04575	20.00000	Oversupply
7/11/2023 9:28	0:02	AWE	0.02813	19.80000	Oversupply
7/11/2023 9:31	0:06	AWE	0.06779	19.80000	Oversupply
7/11/2023 9:38	4:03	AWE	39.76482	21.00000	Oversupply
7/11/2023 10:34	0:14	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 10:49	5:01	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 13:42	0:06	AWE	0.06220	21.00000	Oversupply
7/11/2023 13:49	0:01	AWE	0.00607	21.00000	Oversupply
7/11/2023 14:19	0:24	AWE	0.66191	21.00000	Oversupply
7/11/2023 15:11	0:02	AWE	0.01431	21.00000	Oversupply
7/11/2023 15:54	0:01	17-2	0.00034	0.74700	Oversupply
7/11/2023 17:02	0:06	KWPPII	0.08139	14.28773	System Constraint
7/11/2023 17:09	0:08	KWPPII	0.09165	15.25574	System Constraint
7/11/2023 17:18	0:30	KWPPII	1.22335	17.44426	System Constraint
7/11/2023 17:21	0:03	17-2	0.00470	0.11200	Oversupply
7/11/2023 17:30	0:01	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 17:30	0:04	17-2	0.00692	0.11600	Oversupply
7/11/2023 17:32	0:01	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 17:41	0:03	17-2	0.00592	0.16400	Oversupply
7/11/2023 17:50	1:10	KWPPII	3.87820	19.46711	System Constraint



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/11/2023 18:04	0:09	17-2	0.02085	0.21200	Oversupply
7/11/2023 18:08	0:02	BS250	Data is not available	Data is not available	Oversupply
7/11/2023 18:14	0:05	17-2	0.00726	0.11000	Oversupply
7/11/2023 22:29	0:14	KWP	1.00348	13.36462	Oversupply
7/12/2023 9:52	0:02	17-2	0.00645	0.24600	Oversupply
7/12/2023 10:18	1:14	17-2	0.79420	0.75000	Oversupply
7/12/2023 10:19	1:09	BS250	Data is not available	Data is not available	Oversupply
7/12/2023 10:20	1:08	KWP	4.09521	10.09731	System Constraint
7/12/2023 10:25	0:02	AWE	0.01865	21.00000	Oversupply
7/12/2023 10:47	0:19	AWE	0.84558	21.00000	Oversupply
7/12/2023 11:54	0:10	17-2	0.09899	0.75000	Oversupply
7/12/2023 12:54	0:55	17-2	0.54804	0.75000	Oversupply
7/12/2023 13:01	0:30	BS250	Data is not available	Data is not available	Oversupply
7/12/2023 13:04	0:27	KWP	2.34979	10.38871	System Constraint
7/12/2023 13:09	0:06	AWE	0.07905	21.00000	Oversupply
7/12/2023 13:16	0:01	AWE	0.00041	21.00000	Oversupply
7/12/2023 13:53	0:04	17-2	0.04561	0.75000	Oversupply
7/12/2023 14:03	0:04	17-2	0.03779	0.75000	Oversupply
7/12/2023 14:08	1:49	17-2	1.28772	0.75000	Oversupply
7/12/2023 14:14	0:01	KWP	0.00051	10.65816	System Constraint
7/12/2023 14:15	1:13	BS250	Data is not available	Data is not available	Oversupply
7/12/2023 14:16	1:13	KWP	7.40383	17.84544	System Constraint
7/12/2023 15:30	0:01	KWP	0.00911	15.69285	Oversupply
7/12/2023 15:33	0:09	BS250	Data is not available	Data is not available	Oversupply
7/12/2023 15:34	0:09	KWP	0.47099	18.99109	Oversupply
7/12/2023 15:43	0:01	BS250	Data is not available	Data is not available	Oversupply
7/12/2023 15:58	0:01	17-2	0.01025	0.61500	Oversupply
7/12/2023 16:01	0:06	17-2	0.05563	0.60300	Oversupply
7/12/2023 16:09	0:05	17-2	0.03888	0.58000	Oversupply
7/12/2023 16:16	0:01	17-2	0.00937	0.56200	Oversupply
7/12/2023 16:20	0:01	17-2	0.00154	0.58400	Oversupply
7/12/2023 16:27	0:01	17-2	0.00242	0.53800	Oversupply
7/12/2023 22:03	0:01	KWP	0.00311	20.94209	Oversupply
7/12/2023 22:07	0:04	KWP	0.05477	20.94109	Oversupply
7/12/2023 22:32	0:05	KWP	0.06570	20.93311	Oversupply
7/12/2023 23:16	1:51	KWP	16.04231	20.92313	Oversupply
7/13/2023 3:00	0:01	KWP	0.00365	10.75696	Oversupply
7/13/2023 3:12	0:49	KWP	5.98972	16.55309	Oversupply
7/13/2023 5:00	1:00	KWP	7.89098	16.06409	System Constraint
7/13/2023 5:16	0:06	AWE	0.09913	21.00000	Oversupply
7/13/2023 5:23	0:02	AWE	0.02155	21.00000	Oversupply
7/13/2023 5:49	0:10	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 6:02	0:03	KWP	0.00400	14.00000	System Constraint
7/13/2023 6:05	0:10	KWP	0.18419	15.43238	System Constraint
7/13/2023 6:06	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 6:12	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 6:14	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 6:16	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 6:16	0:01	KWP	0.00451	13.27081	System Constraint
7/13/2023 6:24	0:01	KWP	0.00197	13.11812	System Constraint
7/13/2023 6:29	0:02	KWP	0.01808	13.99233	System Constraint
7/13/2023 6:30	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 6:39	5:52	KWP	50.14249	20.62474	System Constraint
7/13/2023 6:41	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 6:55	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 6:58	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 7:00	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 7:02	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 7:09	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 7:18	0:02	KWP	0.00133	13.04000	System Constraint
7/13/2023 7:21	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 7:22	0:03	17-2	0.00164	0.05700	Oversupply
7/13/2023 7:23	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 7:26	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 7:36	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 7:48	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 8:00	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 8:09	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 8:14	0:16	17-2	0.05105	0.34100	Oversupply
7/13/2023 8:19	0:05	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 8:26	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 8:33	0:17	17-2	0.03407	0.17400	Oversupply
7/13/2023 8:35	0:11	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 8:53	0:01	17-2	0.00308	0.18500	Oversupply
7/13/2023 8:56	4:37	17-2	2.20771	0.75000	Oversupply
7/13/2023 9:03	1:22	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 9:20	0:01	KWP	0.00267	13.20000	System Constraint



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/13/2023 9:24	0:01	KWP	0.00067	13.04000	System Constraint
7/13/2023 9:29	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 9:40	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 9:44	0:04	AWE	0.06998	20.40000	Oversupply
7/13/2023 9:52	0:01	KWP	0.00267	13.20000	System Constraint
7/13/2023 10:06	0:01	KWP	0.00533	13.36000	System Constraint
7/13/2023 10:31	2:25	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 10:55	0:03	AWE	0.03834	17.30000	Oversupply
7/13/2023 10:59	0:17	AWE	0.85572	17.30000	Oversupply
7/13/2023 11:17	0:01	AWE	0.00107	16.10000	Oversupply
7/13/2023 11:19	0:04	AWE	0.04064	17.60000	Oversupply
7/13/2023 11:24	0:06	AWE	0.06551	17.30000	Oversupply
7/13/2023 11:35	0:02	AWE	0.01662	20.10000	Oversupply
7/13/2023 11:38	0:53	AWE	2.22853	20.70000	Oversupply
7/13/2023 12:38	0:01	KWP	0.00865	7.08648	System Constraint
7/13/2023 12:50	0:01	KWP	0.01253	7.83994	System Constraint
7/13/2023 12:56	0:01	KWP	0.00697	7.37888	System Constraint
7/13/2023 12:59	0:01	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 13:06	0:19	BS250	Data is not available	Data is not available	Oversupply
7/13/2023 13:06	0:20	KWP	0.77020	12.45847	System Constraint
7/13/2023 13:35	0:01	17-2	0.00757	0.45400	Oversupply
7/13/2023 13:37	0:02	17-2	0.02391	0.75000	Oversupply
7/13/2023 13:40	0:03	17-2	0.02999	0.75000	Oversupply
7/13/2023 14:40	0:03	17-2	0.02898	0.75000	Oversupply
7/13/2023 14:44	0:01	17-2	0.01250	0.75000	Oversupply
7/13/2023 14:47	0:05	17-2	0.04125	0.74700	Oversupply
7/13/2023 15:43	19:36	KWP	142.71033	20.93810	Oversupply
7/13/2023 16:57	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 6:03	0:01	KWP	0.00800	24.56000	System Constraint
7/14/2023 6:06	0:05	KWP	0.01867	20.56000	System Constraint
7/14/2023 6:50	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 7:22	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 7:28	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 7:56	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 8:32	0:01	KWP	0.00333	13.20000	System Constraint
7/14/2023 8:41	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 9:00	0:01	KWP	0.00333	13.20000	System Constraint
7/14/2023 9:08	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 9:11	5:38	17-2	3.65644	0.75000	Oversupply
7/14/2023 9:16	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 9:18	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 9:23	0:06	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 9:46	0:03	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 9:47	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 9:50	3:49	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 9:50	0:01	KWP	0.00267	13.20000	System Constraint
7/14/2023 10:04	0:01	KWP	0.00067	13.04000	System Constraint
7/14/2023 10:07	0:01	KWP	0.00600	13.36000	System Constraint
7/14/2023 10:21	0:04	AWE	0.09775	13.70000	Oversupply
7/14/2023 11:20	0:15	KWP	0.40277	9.98554	System Constraint
7/14/2023 11:42	0:07	KWP	0.17135	10.70207	System Constraint
7/14/2023 11:50	0:01	KWP	0.00668	8.34889	System Constraint
7/14/2023 11:53	1:25	KWP	9.75023	16.38742	System Constraint
7/14/2023 13:43	0:32	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 14:02	0:01	KWP	0.00136	7.70821	System Constraint
7/14/2023 14:04	0:01	KWP	0.00009	7.55352	System Constraint
7/14/2023 14:08	0:03	KWP	0.02211	8.74009	System Constraint
7/14/2023 14:16	0:01	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 14:18	0:07	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 14:26	0:02	BS250	Data is not available	Data is not available	Oversupply
7/14/2023 14:54	0:01	17-2	0.01094	0.75000	Oversupply
7/14/2023 14:58	0:01	17-2	0.00211	0.75000	Oversupply
7/14/2023 15:00	0:01	KWP	0.00338	13.20295	System Constraint
7/14/2023 15:06	0:01	KWP	0.00199	13.11912	System Constraint
7/14/2023 15:08	0:05	KWP	0.10436	15.67688	System Constraint
7/14/2023 15:18	0:03	KWP	0.03541	14.09712	System Constraint
7/14/2023 15:23	0:06	KWP	0.07100	14.19492	System Constraint
7/14/2023 15:30	0:58	KWP	1.52079	16.27565	System Constraint
7/14/2023 16:31	0:01	KWP	0.01508	13.90451	System Constraint
7/14/2023 16:36	0:01	KWP	0.00441	13.26482	System Constraint
7/14/2023 16:43	0:01	KWP	0.00857	13.54125	System Constraint
7/14/2023 17:03	0:04	KWP	0.00648	13.25983	System Constraint
7/15/2023 4:33	0:01	KWP	0.00154	19.43718	Oversupply
7/15/2023 4:35	0:02	KWP	0.02231	18.18973	Oversupply
7/15/2023 4:38	0:59	KWP	5.99454	21.07083	Oversupply
7/15/2023 5:40	0:01	KWP	0.01354	15.62998	Oversupply
7/15/2023 6:02	0:04	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/15/2023 6:03	0:03	KWPPII	0.04198	18.27655	Oversupply
7/15/2023 7:14	0:04	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 7:15	0:03	KWPPII	0.03805	11.93754	Oversupply
7/15/2023 7:15	0:05	17-2	0.00398	0.05000	Oversupply
7/15/2023 7:21	0:01	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 7:21	0:03	17-2	0.00140	0.02800	Oversupply
7/15/2023 7:26	0:01	17-2	0.00047	0.02800	Oversupply
7/15/2023 7:29	0:01	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 7:29	0:44	17-2	0.07365	0.22300	Oversupply
7/15/2023 7:31	0:40	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 7:33	0:38	KWPPII	4.44692	19.84035	Oversupply
7/15/2023 8:20	7:14	17-2	3.70270	0.75000	Oversupply
7/15/2023 8:22	0:03	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 8:23	0:03	KWPPII	0.02669	20.55788	Oversupply
7/15/2023 8:26	7:05	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 8:27	7:04	KWPPII	101.20161	20.47505	Oversupply
7/15/2023 8:40	0:07	AWE	0.27076	21.00000	Oversupply
7/15/2023 8:48	0:07	AWE	0.13446	21.00000	Oversupply
7/15/2023 9:35	0:01	AWE	0.01556	16.60000	Oversupply
7/15/2023 9:56	0:04	AWE	0.15026	17.80000	Oversupply
7/15/2023 10:09	2:57	AWE	19.72131	21.00000	Oversupply
7/15/2023 13:07	0:03	AWE	0.08207	18.30000	Oversupply
7/15/2023 13:15	0:07	AWE	0.24142	21.00000	Oversupply
7/15/2023 13:26	0:05	AWE	0.04250	21.00000	Oversupply
7/15/2023 13:33	0:01	AWE	0.00269	19.10000	Oversupply
7/15/2023 13:37	0:06	AWE	0.15030	20.00000	Oversupply
7/15/2023 13:46	0:01	AWE	0.00774	19.80000	Oversupply
7/15/2023 13:48	0:01	AWE	0.00855	19.30000	Oversupply
7/15/2023 13:52	0:01	AWE	0.00906	18.30000	Oversupply
7/15/2023 13:55	0:02	AWE	0.02882	17.10000	Oversupply
7/15/2023 13:58	0:01	AWE	0.01173	17.90000	Oversupply
7/15/2023 14:01	0:01	AWE	0.00700	18.50000	Oversupply
7/15/2023 14:09	0:04	AWE	0.07620	19.90000	Oversupply
7/15/2023 14:15	0:04	AWE	0.07153	18.80000	Oversupply
7/15/2023 14:29	0:06	AWE	0.32601	20.20000	Oversupply
7/15/2023 14:44	0:03	AWE	0.03617	19.90000	Oversupply
7/15/2023 14:48	0:04	AWE	0.09609	21.00000	Oversupply
7/15/2023 14:57	0:01	AWE	0.00850	19.70000	Oversupply
7/15/2023 15:37	0:03	17-2	0.03648	0.73400	Oversupply
7/15/2023 15:41	0:02	17-2	0.01301	0.75000	Oversupply
7/15/2023 15:54	0:01	17-2	0.01025	0.61500	Oversupply
7/15/2023 15:56	0:22	17-2	0.22544	0.70800	Oversupply
7/15/2023 16:05	0:03	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 16:06	0:08	KWPPII	0.15585	19.89823	Oversupply
7/15/2023 16:10	0:03	BS250	Data is not available	Data is not available	Oversupply
7/15/2023 16:19	0:04	17-2	0.03266	0.58500	Oversupply
7/15/2023 16:24	0:02	17-2	0.01529	0.54300	Oversupply
7/15/2023 16:57	0:01	17-2	0.00090	0.52600	Oversupply
7/15/2023 23:14	0:07	KWPPII	0.23669	20.91016	Oversupply
7/16/2023 0:13	0:01	KWPPII	0.00319	20.73452	Oversupply
7/16/2023 0:19	0:01	KWPPII	0.00083	20.63871	Oversupply
7/16/2023 0:23	1:34	KWPPII	13.02375	20.91215	Oversupply
7/16/2023 2:19	0:55	KWPPII	4.56477	19.72658	Oversupply
7/16/2023 3:15	0:08	KWPPII	0.27235	17.71870	Oversupply
7/16/2023 3:31	0:02	KWPPII	0.00381	14.34461	Oversupply
7/16/2023 3:40	0:17	KWPPII	0.33610	13.46242	Oversupply
7/16/2023 8:39	0:09	17-2	0.02222	0.20400	Oversupply
7/16/2023 9:12	0:01	17-2	0.00153	0.14200	Oversupply
7/16/2023 9:24	0:21	17-2	0.06906	0.29400	Oversupply
7/16/2023 9:27	0:04	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 9:28	0:04	AWE	0.04609	20.00000	Oversupply
7/16/2023 9:47	0:07	17-2	0.02230	0.34000	Oversupply
7/16/2023 10:10	5:16	17-2	2.32913	0.75000	Oversupply
7/16/2023 10:17	0:06	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 10:18	0:10	KWPPII	0.15039	5.18138	Oversupply
7/16/2023 10:25	0:02	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 10:33	0:01	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 10:34	0:03	KWPPII	0.01391	3.86708	Oversupply
7/16/2023 10:35	1:42	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 10:38	0:04	KWPPII	0.09069	4.65047	Oversupply
7/16/2023 10:43	1:34	KWPPII	7.98237	8.44370	Oversupply
7/16/2023 10:46	1:05	AWE	2.01880	20.80000	Oversupply
7/16/2023 11:52	0:01	AWE	0.02441	17.00000	Oversupply
7/16/2023 11:54	0:01	AWE	0.00307	16.90000	Oversupply
7/16/2023 12:00	0:04	AWE	0.01158	20.20000	Oversupply
7/16/2023 12:27	1:57	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 12:28	1:56	KWPPII	11.26494	11.35573	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/16/2023 12:47	0:05	AWE	0.06417	21.00000	Oversupply
7/16/2023 12:54	0:38	AWE	1.43483	21.00000	Oversupply
7/16/2023 13:34	0:01	AWE	0.00107	21.00000	Oversupply
7/16/2023 13:55	0:09	AWE	0.18410	21.00000	Oversupply
7/16/2023 14:30	0:01	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 14:34	0:42	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 14:34	0:43	KWP/II	3.65930	15.40444	Oversupply
7/16/2023 15:28	0:01	17-2	0.01122	0.67300	Oversupply
7/16/2023 15:33	0:42	17-2	0.43428	0.75000	Oversupply
7/16/2023 15:42	0:05	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 15:43	0:04	KWP/II	0.15544	17.81949	Oversupply
7/16/2023 15:50	0:01	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 15:51	0:16	KWP/II	0.66974	18.24961	Oversupply
7/16/2023 15:52	0:14	BS250	Data is not available	Data is not available	Oversupply
7/16/2023 16:07	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 0:04	0:25	KWP/II	1.29220	20.56985	Oversupply
7/17/2023 0:38	1:50	KWP/II	7.94616	19.08490	Oversupply
7/17/2023 2:29	2:08	KWP/II	15.52048	20.52495	Oversupply
7/17/2023 6:10	0:02	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 6:10	0:02	KWP/II	0.01144	17.76161	Oversupply
7/17/2023 6:13	0:01	KWP/II	0.00105	16.84449	Oversupply
7/17/2023 6:15	0:03	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 6:17	0:01	KWP/II	0.00520	16.33852	Oversupply
7/17/2023 8:33	0:01	KWP/II	0.00069	13.23887	Oversupply
7/17/2023 9:33	0:02	17-2	0.00759	0.27800	Oversupply
7/17/2023 9:36	0:20	17-2	0.10668	0.48100	Oversupply
7/17/2023 9:43	0:08	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:03	2:39	17-2	1.13655	0.75000	Oversupply
7/17/2023 10:06	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:08	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:08	0:06	KWP/II	0.05017	13.84463	Oversupply
7/17/2023 10:10	0:02	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:14	0:28	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:19	0:01	KWP/II	0.00821	12.00740	Oversupply
7/17/2023 10:21	0:22	KWP/II	1.51671	14.79868	Oversupply
7/17/2023 10:45	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:48	0:17	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 10:52	0:31	KWP/II	1.66952	17.61890	Oversupply
7/17/2023 11:06	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 11:22	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 11:24	0:02	KWP/II	0.03649	14.57414	Oversupply
7/17/2023 11:30	0:02	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 11:36	0:04	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 11:41	0:31	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 11:48	0:07	KWP/II	0.05009	10.49749	Oversupply
7/17/2023 11:56	0:01	KWP/II	0.01018	11.08828	Oversupply
7/17/2023 12:04	0:01	KWP/II	0.00562	9.67019	Oversupply
7/17/2023 12:06	0:01	KWP/II	0.00578	9.34485	Oversupply
7/17/2023 12:13	0:01	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 12:27	0:04	KWP/II	0.03347	14.03524	Oversupply
7/17/2023 12:43	0:02	17-2	0.01968	0.75000	Oversupply
7/17/2023 12:48	0:05	17-2	0.04930	0.75000	Oversupply
7/17/2023 12:54	0:03	17-2	0.02812	0.75000	Oversupply
7/17/2023 12:58	0:02	17-2	0.01252	0.42300	Oversupply
7/17/2023 13:04	0:34	17-2	0.19867	0.75000	Oversupply
7/17/2023 13:49	0:02	17-2	0.00455	0.15600	Oversupply
7/17/2023 13:55	0:03	17-2	0.01082	0.24500	Oversupply
7/17/2023 14:00	0:01	17-2	0.00086	0.21800	Oversupply
7/17/2023 14:09	0:01	17-2	0.00108	0.25100	Oversupply
7/17/2023 14:14	1:10	17-2	0.45145	0.75000	Oversupply
7/17/2023 14:33	0:48	BS250	Data is not available	Data is not available	Oversupply
7/17/2023 15:25	0:01	17-2	0.00427	0.25600	Oversupply
7/17/2023 15:33	0:03	17-2	0.03143	0.75000	Oversupply
7/17/2023 15:45	0:03	17-2	0.02653	0.75000	Oversupply
7/17/2023 15:49	0:09	17-2	0.07974	0.75000	Oversupply
7/17/2023 21:51	0:28	KWP/II	2.88313	20.96804	Oversupply
7/17/2023 22:25	0:01	KWP/II	0.00317	20.95606	Oversupply
7/17/2023 22:30	0:08	KWP/II	0.10852	20.95506	Oversupply
7/17/2023 23:08	0:25	KWP/II	0.47175	20.94509	Oversupply
7/17/2023 23:40	1:10	KWP/II	6.06707	20.94708	Oversupply
7/18/2023 7:45	9:00	KWP/II	116.67842	20.93610	System Constraint
7/18/2023 7:54	0:01	AWE	0.00167	0.10000	Oversupply
7/18/2023 8:45	0:09	17-2	0.01848	0.18300	Oversupply
7/18/2023 8:51	0:03	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 8:54	0:01	KWP	0.01067	27.12000	System Constraint
7/18/2023 8:56	0:02	KWP	0.00533	27.12000	System Constraint
7/18/2023 8:57	0:05	17-2	0.01548	0.25100	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/18/2023 9:35	5:38	17-2	3.08117	0.75000	Oversupply
7/18/2023 9:42	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 9:59	0:28	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 10:10	0:03	KWP	0.00800	22.16000	System Constraint
7/18/2023 10:29	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 10:33	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 10:37	0:14	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 10:45	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 10:52	0:01	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 10:55	4:16	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 10:57	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 11:07	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 11:11	0:08	AWE	0.30120	21.00000	Oversupply
7/18/2023 11:20	0:07	AWE	0.27168	21.00000	Oversupply
7/18/2023 11:23	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 11:37	0:01	AWE	0.00033	20.90000	Oversupply
7/18/2023 11:44	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 11:47	2:38	AWE	22.26099	21.00000	Oversupply
7/18/2023 11:49	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 12:30	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 12:35	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 12:52	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 13:14	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 13:44	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 13:54	0:01	KWP	0.00267	22.32000	System Constraint
7/18/2023 13:57	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 13:59	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 14:13	0:02	KWP	0.00800	22.32000	System Constraint
7/18/2023 14:33	0:07	AWE	0.10350	21.00000	Oversupply
7/18/2023 14:54	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 15:01	0:01	KWP	0.00267	22.16000	System Constraint
7/18/2023 15:09	0:01	KWP	0.00267	22.32000	System Constraint
7/18/2023 15:34	0:14	17-2	0.05023	0.32700	Oversupply
7/18/2023 15:53	0:05	17-2	0.01810	0.68800	Oversupply
7/18/2023 15:59	0:01	17-2	0.00377	0.22600	Oversupply
7/18/2023 16:02	0:05	17-2	0.02867	0.62400	Oversupply
7/18/2023 16:29	0:27	17-2	0.03996	0.17800	Oversupply
7/18/2023 16:32	0:10	BS250	Data is not available	Data is not available	Oversupply
7/18/2023 17:03	0:02	17-2	0.00117	0.03500	Oversupply
7/18/2023 22:20	0:01	KWP	0.00329	20.92313	Oversupply
7/18/2023 22:22	0:01	KWP	0.00281	20.92413	Oversupply
7/18/2023 23:46	1:56	KWP	4.27613	20.93411	Oversupply
7/19/2023 12:38	0:01	17-2	0.00203	0.12500	Oversupply
7/19/2023 13:44	0:02	17-2	0.00613	0.19200	Oversupply
7/19/2023 13:47	0:42	17-2	0.17042	0.36800	Oversupply
7/19/2023 13:49	0:02	SSA3	0.07	0.586	Oversupply
7/19/2023 13:51	0:29	BS250	Data is not available	Data is not available	Oversupply
7/19/2023 13:51	0:30	SSA3	0.78	0.09	Oversupply
7/19/2023 13:53	0:27	KWP	1.44118	21.02592	Oversupply
7/19/2023 14:21	0:02	SSA3	0.03	0.267	Oversupply
7/19/2023 14:23	0:02	SSA3	0.03	0.437	Oversupply
7/19/2023 14:25	0:02	SSA3	0.03	0.453	Oversupply
7/19/2023 14:27	0:02	SSA3	0.03	0.461	Oversupply
7/19/2023 14:29	0:02	SSA3	0.03	0.483	Oversupply
7/19/2023 14:30	0:01	17-2	0.00300	0.18000	Oversupply
7/19/2023 18:16	0:01	17-2	0.00013	0.02100	Oversupply
7/19/2023 18:24	0:01	BS250	Data is not available	Data is not available	Oversupply
7/19/2023 18:25	0:01	KWP	0.01542	21.00097	Oversupply
7/19/2023 20:08	0:56	KWP	6.76621	20.97802	Oversupply
7/19/2023 22:28	0:03	KWP	0.01083	20.93910	Oversupply
7/19/2023 23:00	0:01	KWP	0.00316	20.78541	Oversupply
7/19/2023 23:02	0:01	KWP	0.00073	20.83930	Oversupply
7/19/2023 23:04	0:06	KWP	0.08305	20.90118	Oversupply
7/19/2023 23:11	0:01	KWP	0.00752	19.84334	Oversupply
7/19/2023 23:36	0:01	KWP	0.00213	20.69360	Oversupply
7/19/2023 23:38	0:02	KWP	0.00555	20.28144	Oversupply
7/19/2023 23:50	0:13	KWP	0.22177	20.99698	Oversupply
7/20/2023 0:04	5:09	KWP	46.34572	20.98201	Oversupply
7/20/2023 5:15	0:07	KWP	0.16873	20.94209	Oversupply
7/20/2023 7:45	0:01	AWE	0.00167	0.10000	Oversupply
7/20/2023 8:55	4:50	17-2	1.54585	0.75000	Oversupply
7/20/2023 8:55	0:02	SSA3	0.01	0.205	Oversupply
7/20/2023 8:56	0:01	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 8:57	0:02	SSA3	0.01	0.184	Oversupply
7/20/2023 8:59	0:08	SSA3	0.08	0.201	Oversupply
7/20/2023 9:00	0:08	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 9:01	0:06	KWP	0.11423	20.90417	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/20/2023 9:07	0:02	SSA3	0.02	0.176	Oversupply
7/20/2023 9:11	0:02	SSA3	0.02	0.154	Oversupply
7/20/2023 9:13	0:03	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 9:13	4:06	SSA3	8.13	0.01	Oversupply
7/20/2023 9:15	4:04	KWPPII	44.11283	20.91714	Oversupply
7/20/2023 9:17	0:01	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 9:19	4:00	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 13:19	0:02	SSA3	0.05	0.515	Oversupply
7/20/2023 13:21	0:02	SSA3	0.05	0.716	Oversupply
7/20/2023 13:23	0:02	SSA3	0.05	0.665	Oversupply
7/20/2023 13:25	0:02	SSA3	0.05	0.66	Oversupply
7/20/2023 13:27	0:02	SSA3	0.05	0.724	Oversupply
7/20/2023 13:29	0:02	SSA3	0.05	0.664	Oversupply
7/20/2023 13:32	0:02	SSA3	0.04	0.66	Oversupply
7/20/2023 13:34	0:02	SSA3	0.04	0.718	Oversupply
7/20/2023 13:36	0:02	SSA3	0.04	0.609	Oversupply
7/20/2023 13:38	0:02	SSA3	0.04	0.6	Oversupply
7/20/2023 13:39	0:01	KWPPII	0.00143	20.13075	Oversupply
7/20/2023 13:40	0:02	SSA3	0.04	0.592	Oversupply
7/20/2023 13:42	0:02	SSA3	0.04	0.591	Oversupply
7/20/2023 13:46	0:01	17-2	0.00049	0.64600	Oversupply
7/20/2023 13:57	0:16	17-2	0.13429	0.64600	Oversupply
7/20/2023 13:58	0:02	SSA3	0.04	0.523	Oversupply
7/20/2023 14:00	0:02	SSA3	0.03	0.538	Oversupply
7/20/2023 14:02	0:02	SSA3	0.03	0.849	Oversupply
7/20/2023 14:04	0:02	SSA3	0.03	0.476	Oversupply
7/20/2023 14:25	0:01	17-2	0.00046	0.64600	Oversupply
7/20/2023 14:27	0:01	17-2	0.00983	0.64600	Oversupply
7/20/2023 14:29	1:54	17-2	1.20307	0.64600	Oversupply
7/20/2023 14:30	0:02	SSA3	0.05	0.599	Oversupply
7/20/2023 14:32	1:28	KWPPII	12.25765	21.03989	Oversupply
7/20/2023 14:32	0:02	SSA3	0.05	0.251	Oversupply
7/20/2023 14:33	1:26	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 14:34	1:25	SSA3	2.43	0.013	Oversupply
7/20/2023 15:59	0:02	SSA3	0.05	0.23	Oversupply
7/20/2023 16:01	0:02	SSA3	0.04	0.568	Oversupply
7/20/2023 16:03	0:02	SSA3	0.04	0.584	Oversupply
7/20/2023 16:05	0:02	SSA3	0.04	0.632	Oversupply
7/20/2023 16:07	0:04	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 16:07	0:02	KWPPII	0.01733	21.00496	Oversupply
7/20/2023 16:07	0:04	SSA3	0.08	0.014	Oversupply
7/20/2023 16:10	0:01	KWPPII	0.01009	20.33134	Oversupply
7/20/2023 16:11	0:02	SSA3	0.04	0.406	Oversupply
7/20/2023 16:13	0:02	SSA3	0.04	0.504	Oversupply
7/20/2023 16:15	0:02	SSA3	0.03	0.533	Oversupply
7/20/2023 16:17	0:02	SSA3	0.03	0.561	Oversupply
7/20/2023 16:19	0:02	SSA3	0.03	0.511	Oversupply
7/20/2023 16:28	0:03	17-2	0.01305	0.53400	Oversupply
7/20/2023 16:29	0:02	SSA3	0.03	0.46	Oversupply
7/20/2023 17:14	0:54	17-2	0.11373	0.30500	Oversupply
7/20/2023 17:15	0:01	KWPPII	0.00374	20.93012	Oversupply
7/20/2023 17:17	0:02	SSA3	0.02	0.266	Oversupply
7/20/2023 17:19	0:01	KWPPII	0.00309	20.93111	Oversupply
7/20/2023 17:19	0:02	SSA3	0.02	0.269	Oversupply
7/20/2023 17:22	0:02	SSA3	0.02	0.256	Oversupply
7/20/2023 17:24	0:02	SSA3	0.02	0.253	Oversupply
7/20/2023 17:26	0:02	SSA3	0.02	0.239	Oversupply
7/20/2023 17:30	0:02	SSA3	0.02	0.215	Oversupply
7/20/2023 17:32	0:02	SSA3	0.02	0.217	Oversupply
7/20/2023 17:33	0:18	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 17:34	0:18	KWPPII	0.59023	20.92413	Oversupply
7/20/2023 17:34	0:18	SSA3	0.16	0.024	Oversupply
7/20/2023 17:52	0:02	SSA3	0.01	0.138	Oversupply
7/20/2023 17:54	0:04	SSA3	0.03	0.07	Oversupply
7/20/2023 17:58	0:02	BS250	Data is not available	Data is not available	Oversupply
7/20/2023 17:58	0:02	SSA3	0.01	0.113	Oversupply
7/20/2023 18:02	0:02	SSA3	0.01	0.104	Oversupply
7/20/2023 18:04	0:02	SSA3	0.01	0.1	Oversupply
7/20/2023 18:06	0:02	SSA3	0.01	0.1	Oversupply
7/20/2023 22:33	0:01	KWPPII	0.00161	19.50105	Oversupply
7/20/2023 22:35	0:02	KWPPII	0.00584	19.50204	Oversupply
7/20/2023 23:07	0:05	KWPPII	0.02289	19.56392	Oversupply
7/20/2023 23:41	0:01	KWPPII	0.00090	18.00012	Oversupply
7/20/2023 23:43	5:26	KWPPII	35.81593	19.48009	Oversupply
7/21/2023 5:10	0:31	KWPPII	1.04875	19.56392	Oversupply
7/21/2023 5:42	0:03	KWPPII	0.02583	19.47510	Oversupply
7/21/2023 5:47	0:01	KWPPII	0.00065	19.45514	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/21/2023 6:00	0:01	KWP/II	0.00027	19.56890	Oversupply
7/21/2023 6:21	0:01	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 6:22	1:23	SSA3	0.59	0.022	Oversupply
7/21/2023 6:23	1:22	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 6:24	0:09	17-2	0.00135	0.01900	Oversupply
7/21/2023 6:24	7:08	KWP/II	87.48541	21.09777	System Constraint
7/21/2023 6:37	0:03	17-2	0.00050	0.02000	Oversupply
7/21/2023 6:45	1:00	17-2	0.04302	0.08800	Oversupply
7/21/2023 7:42	0:04	KWP	0.01333	27.28000	System Constraint
7/21/2023 7:47	0:02	SSA3	0.02	0.172	Oversupply
7/21/2023 7:48	0:01	17-2	0.00130	0.08800	Oversupply
7/21/2023 7:53	0:01	KWP	0.00267	14.48000	System Constraint
7/21/2023 7:59	0:01	KWP	0.00067	13.04000	System Constraint
7/21/2023 8:04	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 8:09	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 8:14	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 8:19	0:01	KWP	0.00067	13.04000	System Constraint
7/21/2023 8:27	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 8:28	6:51	17-2	3.10167	0.75000	Oversupply
7/21/2023 8:32	0:02	SSA3	0.04	0.432	Oversupply
7/21/2023 8:34	0:02	SSA3	0.04	0.439	Oversupply
7/21/2023 8:36	0:02	SSA3	0.04	0.445	Oversupply
7/21/2023 8:38	0:02	SSA3	0.04	0.421	Oversupply
7/21/2023 8:40	0:02	SSA3	0.04	0.359	Oversupply
7/21/2023 8:41	0:04	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 8:42	0:04	SSA3	0.08	0.005	Oversupply
7/21/2023 8:46	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 8:46	0:02	SSA3	0.04	-0.003	Oversupply
7/21/2023 8:47	4:45	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 8:48	4:45	SSA3	10.63	0.064	Oversupply
7/21/2023 9:02	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 9:22	0:01	KWP	0.00267	13.20000	System Constraint
7/21/2023 9:27	0:01	KWP	0.00067	13.04000	System Constraint
7/21/2023 9:29	3:36	AWE	40.83196	21.00000	Oversupply
7/21/2023 11:03	0:01	5A	Data is not available	Data is not available	Oversupply
7/21/2023 11:03	0:01	MS	Data is not available	Data is not available	Oversupply
7/21/2023 11:08	0:02	5A	Data is not available	Data is not available	Oversupply
7/21/2023 11:08	0:02	MS	Data is not available	Data is not available	Oversupply
7/21/2023 11:58	0:01	5A	Data is not available	Data is not available	Oversupply
7/21/2023 11:58	0:01	MS	Data is not available	Data is not available	Oversupply
7/21/2023 13:07	0:02	AWE	0.00896	18.70000	Oversupply
7/21/2023 13:11	0:01	AWE	0.00181	17.70000	Oversupply
7/21/2023 13:13	0:06	AWE	0.14055	19.70000	Oversupply
7/21/2023 13:32	0:02	SSA3	0.07	0.211	Oversupply
7/21/2023 13:33	0:03	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 13:34	0:02	KWP/II	0.01305	7.39285	System Constraint
7/21/2023 13:34	0:02	SSA3	0.07	0.014	Oversupply
7/21/2023 13:36	0:02	SSA3	0.07	0.429	Oversupply
7/21/2023 13:38	0:02	SSA3	0.07	0.4	Oversupply
7/21/2023 13:39	0:01	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 13:40	0:04	KWP/II	0.06670	11.23897	System Constraint
7/21/2023 13:40	0:04	SSA3	0.14	0.029	Oversupply
7/21/2023 13:41	0:02	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 13:44	0:02	SSA3	0.06	0.418	Oversupply
7/21/2023 13:46	0:01	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 13:46	0:02	SSA3	0.06	0.047	Oversupply
7/21/2023 13:48	0:02	SSA3	0.06	0.874	Oversupply
7/21/2023 13:50	0:02	SSA3	0.06	1.041	Oversupply
7/21/2023 13:52	0:02	SSA3	0.06	0.975	Oversupply
7/21/2023 13:54	0:02	SSA3	0.06	0.69	Oversupply
7/21/2023 13:56	0:02	SSA3	0.06	0.558	Oversupply
7/21/2023 13:58	0:02	SSA3	0.07	0.297	Oversupply
7/21/2023 14:00	0:22	SSA3	0.58	0.298	Oversupply
7/21/2023 14:01	0:34	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 14:02	0:34	KWP/II	1.94382	14.68691	System Constraint
7/21/2023 14:23	0:12	SSA3	0.34	0.041	Oversupply
7/21/2023 14:35	0:02	SSA3	0.07	0.13	Oversupply
7/21/2023 14:36	0:28	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 14:37	0:27	KWP/II	3.54142	16.70378	System Constraint
7/21/2023 14:37	0:28	SSA3	0.98	0.01	Oversupply
7/21/2023 15:05	0:02	SSA3	0.06	0.491	Oversupply
7/21/2023 15:07	0:02	SSA3	0.06	0.731	Oversupply
7/21/2023 15:09	0:02	SSA3	0.06	0.729	Oversupply
7/21/2023 15:10	0:05	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 15:11	0:05	KWP/II	0.07607	13.89254	System Constraint
7/21/2023 15:11	0:04	SSA3	0.12	0.012	Oversupply
7/21/2023 15:15	0:02	SSA3	0.05	-0.003	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/21/2023 15:21	0:02	17-2	0.02120	0.75000	Oversupply
7/21/2023 15:21	0:02	SSA3	0.05	0.711	Oversupply
7/21/2023 15:39	0:01	17-2	0.00588	0.35300	Oversupply
7/21/2023 15:41	0:50	17-2	0.21465	0.75000	Oversupply
7/21/2023 15:47	0:04	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 15:47	0:04	SSA3	0.10	0.324	Oversupply
7/21/2023 15:48	0:03	KWPPII	0.09622	8.71914	System Constraint
7/21/2023 15:51	0:02	SSA3	0.05	-0.003	Oversupply
7/21/2023 15:53	0:02	SSA3	0.05	-0.003	Oversupply
7/21/2023 15:54	0:03	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 15:55	0:02	SSA3	0.05	0.22	Oversupply
7/21/2023 15:56	0:02	KWPPII	0.00559	8.72013	System Constraint
7/21/2023 15:58	0:02	SSA3	0.05	0.463	Oversupply
7/21/2023 15:59	0:31	BS250	Data is not available	Data is not available	Oversupply
7/21/2023 16:00	0:30	KWPPII	3.86249	16.90636	System Constraint
7/21/2023 16:00	0:30	SSA3	0.75	0.009	Oversupply
7/21/2023 16:36	0:02	17-2	0.01465	0.60800	Oversupply
7/21/2023 16:36	0:02	SSA3	0.03	0.439	Oversupply
7/21/2023 22:33	0:14	KWPPII	0.81119	17.74165	Oversupply
7/21/2023 22:59	0:01	KWPPII	0.00848	17.05506	Oversupply
7/21/2023 23:01	0:03	KWPPII	0.04725	17.90432	Oversupply
7/22/2023 0:02	0:01	KWPPII	0.00200	15.80661	Oversupply
7/22/2023 0:19	0:23	KWPPII	1.12680	16.20979	Oversupply
7/22/2023 1:01	0:11	KWPPII	0.40054	17.47021	Oversupply
7/22/2023 1:13	0:01	KWPPII	0.00309	15.98225	Oversupply
7/22/2023 6:52	0:03	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 6:53	0:01	17-2	0.00060	0.04300	Oversupply
7/22/2023 6:53	0:02	SSA3	0.01	0.058	Oversupply
7/22/2023 6:55	0:14	17-2	0.01014	0.05300	Oversupply
7/22/2023 6:55	0:14	SSA3	0.07	0.006	Oversupply
7/22/2023 6:56	0:11	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 6:56	0:13	KWPPII	0.32244	7.47369	Oversupply
7/22/2023 7:29	0:01	17-2	0.00150	0.09000	Oversupply
7/22/2023 7:30	0:02	SSA3	0.02	0.164	Oversupply
7/22/2023 7:31	0:05	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 7:31	0:09	17-2	0.01394	0.13400	Oversupply
7/22/2023 7:32	0:05	KWPPII	0.12201	10.24700	Oversupply
7/22/2023 7:32	0:06	SSA3	0.06	0.027	Oversupply
7/22/2023 7:42	0:07	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 7:42	0:08	17-2	0.01415	0.13800	Oversupply
7/22/2023 7:42	0:06	SSA3	0.06	0.214	Oversupply
7/22/2023 7:43	0:06	KWPPII	0.12039	10.47454	Oversupply
7/22/2023 7:48	0:02	SSA3	0.02	0.028	Oversupply
7/22/2023 8:26	0:37	17-2	0.12102	0.40800	Oversupply
7/22/2023 8:26	0:02	SSA3	0.03	0.38	Oversupply
7/22/2023 8:27	0:01	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 8:28	0:02	SSA3	0.03	0.198	Oversupply
7/22/2023 8:30	0:02	SSA3	0.04	0.18	Oversupply
7/22/2023 8:32	0:02	SSA3	0.04	0.398	Oversupply
7/22/2023 8:34	0:02	SSA3	0.04	0.408	Oversupply
7/22/2023 8:36	0:02	SSA3	0.04	0.023	Oversupply
7/22/2023 8:37	0:02	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 8:38	0:02	SSA3	0.04	0.003	Oversupply
7/22/2023 8:39	0:02	KWPPII	0.00068	10.91164	Oversupply
7/22/2023 8:40	0:02	SSA3	0.04	0.134	Oversupply
7/22/2023 8:42	0:02	KWPPII	0.01788	9.90471	Oversupply
7/22/2023 8:42	0:02	SSA3	0.04	0.011	Oversupply
7/22/2023 8:43	0:01	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 8:44	0:02	SSA3	0.04	-0.002	Oversupply
7/22/2023 8:45	0:11	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 8:46	0:10	SSA3	0.23	-0.002	Oversupply
7/22/2023 8:47	0:09	KWPPII	0.14618	11.25394	Oversupply
7/22/2023 8:56	0:02	SSA3	0.04	0.484	Oversupply
7/22/2023 9:00	0:02	SSA3	0.04	0.5	Oversupply
7/22/2023 9:04	0:02	17-2	0.00910	0.28700	Oversupply
7/22/2023 9:10	0:02	17-2	0.00316	0.20400	Oversupply
7/22/2023 9:13	0:02	17-2	0.00722	0.22800	Oversupply
7/22/2023 9:13	0:02	SSA3	0.04	0.543	Oversupply
7/22/2023 9:17	0:01	17-2	0.00432	0.25900	Oversupply
7/22/2023 9:22	0:01	17-2	0.00371	0.24100	Oversupply
7/22/2023 9:24	0:01	17-2	0.00518	0.31100	Oversupply
7/22/2023 9:35	0:26	17-2	0.09859	0.32800	Oversupply
7/22/2023 9:37	0:02	SSA3	0.05	0.621	Oversupply
7/22/2023 9:38	0:20	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 9:39	0:20	KWPPII	1.56909	9.92367	Oversupply
7/22/2023 9:39	0:20	SSA3	0.62	0.14	Oversupply
7/22/2023 9:41	0:01	AWE	0.00724	20.40000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/22/2023 9:43	0:01	AWE	0.00340	19.60000	Oversupply
7/22/2023 9:46	0:02	AWE	0.00122	18.90000	Oversupply
7/22/2023 9:51	0:02	AWE	0.01937	19.80000	Oversupply
7/22/2023 10:05	0:01	17-2	0.00377	0.22600	Oversupply
7/22/2023 10:11	0:35	17-2	0.20215	0.75000	Oversupply
7/22/2023 10:11	0:02	SSA3	0.05	0.71	Oversupply
7/22/2023 10:13	0:02	SSA3	0.05	0.425	Oversupply
7/22/2023 10:15	0:02	SSA3	0.07	0.715	Oversupply
7/22/2023 10:17	0:02	SSA3	0.07	0.73	Oversupply
7/22/2023 10:19	0:06	SSA3	0.20	0.729	Oversupply
7/22/2023 10:20	0:01	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 10:22	0:02	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 10:22	0:01	KWP11	0.00078	4.56565	Oversupply
7/22/2023 10:24	0:01	KWP11	0.00730	5.36700	Oversupply
7/22/2023 10:25	0:02	SSA3	0.07	-0.003	Oversupply
7/22/2023 10:27	0:02	SSA3	0.07	-0.003	Oversupply
7/22/2023 10:29	0:02	SSA3	0.06	0.086	Oversupply
7/22/2023 10:31	0:02	SSA3	0.06	0.401	Oversupply
7/22/2023 10:33	0:02	SSA3	0.06	0.76	Oversupply
7/22/2023 10:35	0:01	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 10:35	0:01	KWP11	0.00467	4.20139	Oversupply
7/22/2023 10:35	0:02	SSA3	0.06	0.42	Oversupply
7/22/2023 10:37	0:02	SSA3	0.06	0.763	Oversupply
7/22/2023 10:39	0:02	SSA3	0.06	0.787	Oversupply
7/22/2023 10:41	0:02	SSA3	0.06	0.798	Oversupply
7/22/2023 10:43	0:02	SSA3	0.06	0.811	Oversupply
7/22/2023 10:47	0:02	SSA3	0.06	0.833	Oversupply
7/22/2023 10:48	0:01	17-2	0.00605	0.36300	Oversupply
7/22/2023 10:53	0:01	17-2	0.00432	0.25900	Oversupply
7/22/2023 11:00	0:01	17-2	0.00535	0.32100	Oversupply
7/22/2023 11:00	0:02	SSA3	0.05	0.905	Oversupply
7/22/2023 11:04	0:01	17-2	0.01025	0.61500	Oversupply
7/22/2023 11:04	0:02	SSA3	0.05	0.843	Oversupply
7/22/2023 11:15	0:01	17-2	0.00163	0.30100	Oversupply
7/22/2023 11:20	0:02	SSA3	0.05	0.326	Oversupply
7/22/2023 11:21	1:11	17-2	0.55124	0.75000	Oversupply
7/22/2023 11:22	0:02	SSA3	0.05	0.309	Oversupply
7/22/2023 11:24	0:17	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 11:24	0:24	SSA3	0.81	0.193	Oversupply
7/22/2023 11:25	0:01	KWP11	0.00587	9.00455	Oversupply
7/22/2023 11:27	0:07	KWP11	0.14938	8.98160	Oversupply
7/22/2023 11:35	0:06	KWP11	0.10141	8.70017	Oversupply
7/22/2023 11:42	0:05	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 11:44	0:03	KWP11	0.04441	7.73316	Oversupply
7/22/2023 11:48	0:02	SSA3	0.05	-0.003	Oversupply
7/22/2023 11:50	0:02	SSA3	0.05	0.215	Oversupply
7/22/2023 11:52	0:02	SSA3	0.05	0.331	Oversupply
7/22/2023 11:54	0:14	SSA3	0.37	0.044	Oversupply
7/22/2023 11:55	0:16	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 11:56	0:16	KWP11	0.58273	10.21307	Oversupply
7/22/2023 12:08	0:02	SSA3	0.05	0.024	Oversupply
7/22/2023 12:10	0:02	SSA3	0.05	0.013	Oversupply
7/22/2023 12:12	0:04	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 12:12	0:02	SSA3	0.05	0.043	Oversupply
7/22/2023 12:14	0:03	KWP11	0.03815	7.80401	Oversupply
7/22/2023 12:14	0:02	SSA3	0.05	0.029	Oversupply
7/22/2023 12:16	0:02	SSA3	0.06	0.22	Oversupply
7/22/2023 12:18	0:05	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 12:18	0:08	KWP11	0.17024	7.18528	Oversupply
7/22/2023 12:18	0:08	SSA3	0.24	-0.004	Oversupply
7/22/2023 12:24	0:01	BS250	Data is not available	Data is not available	Oversupply
7/22/2023 12:26	0:02	SSA3	0.06	0.39	Oversupply
7/22/2023 12:28	0:02	SSA3	0.06	0.431	Oversupply
7/22/2023 12:30	0:02	SSA3	0.03	0.674	Oversupply
7/22/2023 12:34	0:03	17-2	0.02772	0.75000	Oversupply
7/22/2023 12:34	0:02	SSA3	0.03	0.355	Oversupply
7/22/2023 12:39	0:08	17-2	0.05391	0.75000	Oversupply
7/22/2023 12:40	0:02	SSA3	0.03	0.388	Oversupply
7/22/2023 12:42	0:02	SSA3	0.03	0.386	Oversupply
7/22/2023 12:44	0:02	SSA3	0.02	0.157	Oversupply
7/22/2023 12:46	0:02	SSA3	0.03	0.374	Oversupply
7/22/2023 13:02	0:02	17-2	0.01454	0.75000	Oversupply
7/22/2023 13:09	0:02	17-2	0.00913	0.28100	Oversupply
7/22/2023 13:12	0:04	17-2	0.02663	0.58600	Oversupply
7/22/2023 13:13	0:02	SSA3	0.05	0.448	Oversupply
7/22/2023 14:04	0:01	KWP11	0.00140	0.08383	Oversupply
7/22/2023 17:44	0:01	KWP11	0.00023	0.01397	Oversupply



Maui Curtailment Report

July 2023

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/22/2023 22:39	0:01	KWPIL	0.00751	18.79150	Oversupply
7/22/2023 22:44	0:42	KWPIL	2.96266	18.69170	Oversupply
7/23/2023 3:18	0:01	KWPIL	0.00057	0.03393	Oversupply
7/23/2023 3:47	0:04	KWPIL	0.03948	7.71918	Oversupply
7/23/2023 3:53	2:03	KWPIL	16.20685	17.76061	Oversupply
7/23/2023 5:16	0:12	AWE	0.29923	18.20000	Oversupply
7/23/2023 5:29	0:01	AWE	0.00690	18.40000	Oversupply
7/23/2023 5:49	0:07	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 5:58	1:03	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 5:59	1:02	KWPIL	4.55688	18.04303	Oversupply
7/23/2023 6:08	0:53	SSA3	0.15	-0.003	Oversupply
7/23/2023 6:37	0:24	17-2	0.00707	0.03300	Oversupply
7/23/2023 7:23	0:02	SSA3	0.02	0.169	Oversupply
7/23/2023 7:24	0:02	17-2	0.00137	0.08800	Oversupply
7/23/2023 7:25	0:01	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 7:25	0:02	SSA3	0.02	0.204	Oversupply
7/23/2023 7:27	0:02	17-2	0.00250	0.07500	Oversupply
7/23/2023 7:28	0:01	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 7:28	0:02	SSA3	0.02	0.256	Oversupply
7/23/2023 7:44	0:02	SSA3	0.02	0.197	Oversupply
7/23/2023 7:45	4:10	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 7:45	5:43	17-2	1.77198	0.75000	Oversupply
7/23/2023 7:46	4:10	KWPIL	56.24887	21.10077	Oversupply
7/23/2023 7:46	4:10	SSA3	7.49	0.013	Oversupply
7/23/2023 10:38	0:01	AWE	0.00510	19.20000	Oversupply
7/23/2023 10:40	0:21	AWE	1.08417	20.00000	Oversupply
7/23/2023 11:03	0:07	AWE	0.21380	18.90000	Oversupply
7/23/2023 11:25	0:03	AWE	0.03114	17.50000	Oversupply
7/23/2023 11:29	0:01	AWE	0.00206	16.50000	Oversupply
7/23/2023 11:31	0:01	AWE	0.02895	17.70000	Oversupply
7/23/2023 11:35	0:01	AWE	0.00502	18.00000	Oversupply
7/23/2023 11:37	0:01	AWE	0.00741	16.90000	Oversupply
7/23/2023 11:46	0:02	AWE	0.01762	17.70000	Oversupply
7/23/2023 11:56	0:02	SSA3	0.07	0.577	Oversupply
7/23/2023 11:57	1:17	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 11:57	1:17	KWPIL	8.98856	14.28773	Oversupply
7/23/2023 11:58	1:17	SSA3	2.94	-0.005	Oversupply
7/23/2023 12:15	0:07	AWE	0.24791	18.70000	Oversupply
7/23/2023 12:23	0:17	AWE	0.39878	21.00000	Oversupply
7/23/2023 13:14	0:02	SSA3	0.04	0.422	Oversupply
7/23/2023 13:16	0:02	SSA3	0.06	0.912	Oversupply
7/23/2023 13:18	0:02	SSA3	0.06	0.907	Oversupply
7/23/2023 13:21	0:02	SSA3	0.06	0.907	Oversupply
7/23/2023 13:23	0:02	SSA3	0.06	0.918	Oversupply
7/23/2023 13:25	0:02	SSA3	0.06	0.911	Oversupply
7/23/2023 13:27	0:02	SSA3	0.06	0.919	Oversupply
7/23/2023 13:31	0:01	17-2	0.00162	0.70700	Oversupply
7/23/2023 13:34	0:03	17-2	0.01129	0.41300	Oversupply
7/23/2023 13:35	0:02	SSA3	0.05	0.899	Oversupply
7/23/2023 13:37	0:02	SSA3	0.06	0.897	Oversupply
7/23/2023 13:57	0:01	17-2	0.00011	0.37400	Oversupply
7/23/2023 14:57	0:02	SSA3	0.05	0.734	Oversupply
7/23/2023 14:59	0:13	BS250	Data is not available	Data is not available	Oversupply
7/23/2023 14:59	0:12	SSA3	0.36	0.012	Oversupply
7/23/2023 15:00	0:11	KWPIL	0.44555	15.83356	Oversupply
7/23/2023 15:11	0:02	SSA3	0.06	0.381	Oversupply
7/23/2023 15:13	0:02	SSA3	0.05	0.692	Oversupply
7/23/2023 15:15	0:02	SSA3	0.04	0.686	Oversupply
7/23/2023 15:18	0:02	SSA3	0.04	0.677	Oversupply
7/23/2023 15:20	0:02	SSA3	0.04	0.269	Oversupply
7/23/2023 15:24	0:02	SSA3	0.04	0.685	Oversupply
7/23/2023 15:26	0:02	SSA3	0.04	0.568	Oversupply
7/23/2023 17:35	0:07	17-2	0.01870	0.17900	Oversupply
7/23/2023 17:55	0:02	17-2	0.00159	0.09400	Oversupply
7/23/2023 17:55	0:02	SSA3	0.01	0.125	Oversupply
7/23/2023 22:54	0:25	KWPIL	2.11427	16.52814	Oversupply
7/23/2023 23:57	0:01	AWE	0.00500	0.30000	Oversupply
7/24/2023 1:00	0:09	KWPIL	0.26926	16.52115	Oversupply
7/24/2023 7:22	0:02	SSA3	0.02	0.144	Oversupply
7/24/2023 7:23	0:05	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 7:24	0:07	17-2	0.00557	0.06100	Oversupply
7/24/2023 7:24	0:06	KWPIL	0.08921	19.15276	Oversupply
7/24/2023 7:24	0:04	SSA3	0.03	0.009	Oversupply
7/24/2023 7:28	0:02	SSA3	0.01	0.057	Oversupply
7/24/2023 8:05	0:11	KWPIL	0.27211	15.75173	System Constraint
7/24/2023 8:17	0:02	KWPIL	0.01741	13.65402	System Constraint
7/24/2023 8:20	0:01	KWPIL	0.00362	13.21692	System Constraint



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/24/2023 8:31	0:02	SSA3	0.04	0.432	Oversupply
7/24/2023 8:32	0:12	17-2	0.02140	0.14200	Oversupply
7/24/2023 8:33	0:10	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 8:33	0:10	SSA3	0.21	0.023	Oversupply
7/24/2023 8:38	6:25	KWP	74.22490	18.50508	System Constraint
7/24/2023 8:53	0:02	SSA3	0.04	0.495	Oversupply
7/24/2023 8:55	0:01	17-2	0.00207	0.12400	Oversupply
7/24/2023 8:55	0:02	SSA3	0.04	0.503	Oversupply
7/24/2023 8:57	0:01	17-2	0.00158	0.09500	Oversupply
7/24/2023 9:28	0:01	KWP	0.00133	16.08000	System Constraint
7/24/2023 9:55	0:01	KWP	0.00267	16.40000	System Constraint
7/24/2023 10:08	0:06	17-2	0.03557	0.53600	Oversupply
7/24/2023 10:13	0:01	KWP	0.00667	16.40000	System Constraint
7/24/2023 10:16	0:05	17-2	0.03627	0.72100	Oversupply
7/24/2023 10:23	0:01	KWP	0.00267	12.24000	System Constraint
7/24/2023 10:27	0:01	KWP	0.00533	10.64000	System Constraint
7/24/2023 10:28	0:04	17-2	0.01264	0.75000	Oversupply
7/24/2023 10:30	0:01	KWP	0.00267	10.16000	System Constraint
7/24/2023 10:34	0:16	17-2	0.16950	0.75000	Oversupply
7/24/2023 10:57	0:01	KWP	0.00067	5.04000	System Constraint
7/24/2023 11:08	0:02	17-2	0.00151	0.75000	Oversupply
7/24/2023 11:13	0:01	17-2	0.00691	0.75000	Oversupply
7/24/2023 11:15	0:01	17-2	0.00800	0.75000	Oversupply
7/24/2023 11:17	0:01	17-2	0.00188	0.75000	Oversupply
7/24/2023 11:19	0:13	17-2	0.15357	0.75000	Oversupply
7/24/2023 11:28	0:01	KWP	0.00267	5.20000	System Constraint
7/24/2023 11:31	0:01	KWP	0.00067	5.04000	System Constraint
7/24/2023 11:33	0:01	KWP	0.00267	2.64000	System Constraint
7/24/2023 11:59	0:01	17-2	0.00059	0.75000	Oversupply
7/24/2023 12:06	0:03	17-2	0.00883	0.75000	Oversupply
7/24/2023 12:09	0:03	KWP	0.00400	0.08000	System Constraint
7/24/2023 12:12	0:01	17-2	0.00090	0.75000	Oversupply
7/24/2023 12:14	0:18	KWP	0.02400	0.08000	System Constraint
7/24/2023 12:15	0:01	17-2	0.00028	0.75000	Oversupply
7/24/2023 12:25	0:01	17-2	0.00664	0.75000	Oversupply
7/24/2023 12:27	0:01	17-2	0.00595	0.75000	Oversupply
7/24/2023 12:38	0:04	KWP	0.00533	0.08000	System Constraint
7/24/2023 13:07	0:01	KWP	0.00133	0.08000	System Constraint
7/24/2023 13:11	0:01	KWP	0.00133	0.08000	System Constraint
7/24/2023 13:17	0:01	KWP	0.00133	0.08000	System Constraint
7/24/2023 13:20	0:01	KWP	0.00133	0.08000	System Constraint
7/24/2023 13:25	0:06	KWP	0.00800	0.08000	System Constraint
7/24/2023 13:33	0:01	KWP	0.00133	0.08000	System Constraint
7/24/2023 13:35	0:04	KWP	0.00533	0.08000	System Constraint
7/24/2023 14:31	0:01	KWP	0.00200	7.12000	System Constraint
7/24/2023 14:39	0:01	KWP	0.00267	12.24000	System Constraint
7/24/2023 14:41	0:01	KWP	0.00133	12.08000	System Constraint
7/24/2023 14:43	0:01	KWP	0.00267	12.24000	System Constraint
7/24/2023 14:58	0:59	17-2	0.38459	0.75000	Oversupply
7/24/2023 14:58	0:06	SSA3	0.15	0.726	Oversupply
7/24/2023 14:59	0:05	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 15:04	0:02	SSA3	0.05	0.575	Oversupply
7/24/2023 15:06	0:02	SSA3	0.05	0.699	Oversupply
7/24/2023 15:07	0:10	KWP	0.26961	15.62399	System Constraint
7/24/2023 15:09	0:02	SSA3	0.05	0.705	Oversupply
7/24/2023 15:13	0:02	SSA3	0.05	0.716	Oversupply
7/24/2023 15:15	0:02	SSA3	0.05	0.695	Oversupply
7/24/2023 15:17	0:03	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 15:17	0:04	SSA3	0.10	0.024	Oversupply
7/24/2023 15:18	0:05	KWP	0.15181	14.90446	System Constraint
7/24/2023 15:21	0:02	SSA3	0.05	0.231	Oversupply
7/24/2023 15:22	0:01	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 15:23	0:02	SSA3	0.05	0.093	Oversupply
7/24/2023 15:24	0:01	KWP	0.00435	13.26083	System Constraint
7/24/2023 15:25	0:02	SSA3	0.05	0.575	Oversupply
7/24/2023 15:26	0:02	KWP	0.02684	13.83865	System Constraint
7/24/2023 15:27	0:02	SSA3	0.05	0.647	Oversupply
7/24/2023 15:29	0:02	SSA3	0.05	0.646	Oversupply
7/24/2023 15:31	0:02	SSA3	0.05	0.644	Oversupply
7/24/2023 15:33	0:02	SSA3	0.05	0.115	Oversupply
7/24/2023 15:34	0:02	KWP	0.01693	13.84663	System Constraint
7/24/2023 15:35	0:02	SSA3	0.05	0.508	Oversupply
7/24/2023 15:37	0:02	SSA3	0.05	0.295	Oversupply
7/24/2023 15:38	0:01	BS250	Data is not available	Data is not available	Oversupply
7/24/2023 15:38	0:08	KWP	0.17587	15.45234	System Constraint
7/24/2023 15:39	0:02	SSA3	0.05	0.186	Oversupply
7/24/2023 15:40	0:04	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/24/2023 15:41	0:02	SSA3	0.05	0.008	Oversupply
7/24/2023 15:43	0:02	SSA3	0.05	0.108	Oversupply
7/24/2023 15:45	0:02	SSA3	0.04	0.592	Oversupply
7/24/2023 15:47	0:02	SSA3	0.04	0.595	Oversupply
7/24/2023 15:49	0:02	SSA3	0.04	0.589	Oversupply
7/24/2023 15:51	0:02	SSA3	0.04	0.58	Oversupply
7/24/2023 15:52	0:23	KWP/II	0.46051	15.43138	System Constraint
7/24/2023 15:53	0:02	SSA3	0.04	0.572	Oversupply
7/24/2023 16:16	0:18	KWP/II	0.54811	15.97826	System Constraint
7/24/2023 16:35	0:36	KWP/II	2.58893	18.79948	System Constraint
7/24/2023 21:30	0:02	KWP/II	0.00136	18.05800	Oversupply
7/24/2023 21:33	0:02	KWP/II	0.00173	18.06299	Oversupply
7/24/2023 21:36	0:04	KWP/II	0.05003	18.05601	Oversupply
7/24/2023 21:54	0:01	KWP/II	0.00094	17.88236	Oversupply
7/24/2023 21:57	0:04	KWP/II	0.01612	18.06199	Oversupply
7/24/2023 22:03	0:31	KWP/II	0.81157	18.05201	Oversupply
7/24/2023 23:22	0:01	KWP/II	0.00088	18.05601	Oversupply
7/24/2023 23:29	3:31	KWP/II	14.81848	18.05102	Oversupply
7/25/2023 3:15	0:05	KWP/II	0.05998	17.88635	Oversupply
7/25/2023 3:27	0:01	KWP/II	0.00580	18.03405	Oversupply
7/25/2023 3:50	0:01	KWP/II	0.00102	17.99713	Oversupply
7/25/2023 4:54	0:01	KWP/II	0.00015	18.00511	Oversupply
7/25/2023 4:56	1:42	KWP/II	10.13415	19.44915	Oversupply
7/25/2023 5:49	0:48	BS250	Data is not available	Data is not available	Oversupply
7/25/2023 6:11	0:26	SSA3	0.02	-0.002	Oversupply
7/25/2023 6:20	0:18	17-2	0.00600	0.02400	Oversupply
7/25/2023 6:39	0:02	SSA3	0.00	0.024	Oversupply
7/25/2023 6:41	0:06	BS250	Data is not available	Data is not available	Oversupply
7/25/2023 6:41	0:06	17-2	0.00270	0.03600	Oversupply
7/25/2023 6:41	0:06	KWP/II	0.14764	19.51901	Oversupply
7/25/2023 6:41	0:06	SSA3	0.02	0.032	Oversupply
7/25/2023 6:49	0:02	SSA3	0.01	0.045	Oversupply
7/25/2023 6:50	9:32	BS250	Data is not available	Data is not available	Oversupply
7/25/2023 6:50	9:36	17-2	3.57735	0.75000	Oversupply
7/25/2023 6:51	0:02	KWP/II	0.05941	19.08989	Oversupply
7/25/2023 6:51	9:32	SSA3	17.84	0.048	Oversupply
7/25/2023 6:54	13:14	KWP/II	144.19954	19.58387	System Constraint
7/25/2023 8:01	0:01	KWP	0.00267	23.60000	System Constraint
7/25/2023 8:26	0:01	AWE	0.00507	20.90000	Oversupply
7/25/2023 8:28	7:09	AWE	69.57650	21.00000	Oversupply
7/25/2023 8:45	0:01	KWP	0.00267	22.48000	System Constraint
7/25/2023 9:12	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 9:12	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 9:16	0:06	5A	Data is not available	Data is not available	Oversupply
7/25/2023 9:16	0:06	MS	Data is not available	Data is not available	Oversupply
7/25/2023 9:23	0:13	5A	Data is not available	Data is not available	Oversupply
7/25/2023 9:23	0:13	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:01	0:04	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:01	0:04	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:04	0:01	KWP	0.00267	13.84000	System Constraint
7/25/2023 10:06	0:06	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:06	0:06	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:07	0:01	KWP	0.00267	14.00000	System Constraint
7/25/2023 10:09	0:01	KWP	0.00262	13.84000	System Constraint
7/25/2023 10:13	0:03	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:13	0:03	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:16	0:01	KWP	0.00533	14.00000	System Constraint
7/25/2023 10:17	0:11	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:17	0:11	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:18	0:01	KWP	0.00267	12.88000	System Constraint
7/25/2023 10:26	0:01	KWP	0.00267	11.44000	System Constraint
7/25/2023 10:29	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:29	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:32	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:32	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:35	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:35	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:36	0:01	KWP	0.00267	11.44000	System Constraint
7/25/2023 10:38	0:05	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:38	0:05	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:45	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:45	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:46	0:01	KWP	0.00267	10.32000	System Constraint
7/25/2023 10:48	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:48	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:49	0:01	KWP	0.00533	9.84000	System Constraint
7/25/2023 10:51	0:02	5A	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/25/2023 10:51	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:54	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:54	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 10:56	0:05	5A	Data is not available	Data is not available	Oversupply
7/25/2023 10:56	0:05	MS	Data is not available	Data is not available	Oversupply
7/25/2023 11:02	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 11:02	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 11:02	0:01	KWP	0.00267	9.36000	System Constraint
7/25/2023 11:05	0:02	KWP	0.00533	9.84000	System Constraint
7/25/2023 11:06	0:03	5A	Data is not available	Data is not available	Oversupply
7/25/2023 11:06	0:03	MS	Data is not available	Data is not available	Oversupply
7/25/2023 11:11	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 11:11	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 11:14	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 11:14	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 11:16	0:01	KWP	0.00330	7.28000	System Constraint
7/25/2023 11:17	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 11:17	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 12:54	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 12:54	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 12:58	0:02	5A	Data is not available	Data is not available	Oversupply
7/25/2023 12:58	0:02	MS	Data is not available	Data is not available	Oversupply
7/25/2023 13:01	0:05	5A	Data is not available	Data is not available	Oversupply
7/25/2023 13:01	0:05	MS	Data is not available	Data is not available	Oversupply
7/25/2023 13:07	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 13:07	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 13:09	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 13:09	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 15:19	0:01	5A	Data is not available	Data is not available	Oversupply
7/25/2023 15:19	0:01	MS	Data is not available	Data is not available	Oversupply
7/25/2023 16:27	0:04	17-2	0.01720	0.31700	Oversupply
7/25/2023 16:27	0:02	SSA3	0.02	0.223	Oversupply
7/25/2023 16:29	0:02	SSA3	0.02	0.134	Oversupply
7/25/2023 16:33	0:01	17-2	0.00181	0.23600	Oversupply
7/26/2023 6:49	0:12	SSA3	0.05	0.045	Oversupply
7/26/2023 6:50	0:12	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 6:50	0:12	17-2	0.00800	0.05000	Oversupply
7/26/2023 6:50	0:12	KWP/II	0.45841	19.32640	Oversupply
7/26/2023 7:05	0:38	SSA3	0.33	0.005	Oversupply
7/26/2023 7:06	0:01	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 7:06	0:39	17-2	0.04532	0.10000	Oversupply
7/26/2023 7:07	0:04	KWP/II	0.04615	18.50908	Oversupply
7/26/2023 7:08	0:02	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 7:12	0:31	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 7:13	0:30	KWP/II	1.34631	18.81745	Oversupply
7/26/2023 7:44	0:01	KWP/II	0.00751	16.28264	Oversupply
7/26/2023 7:44	0:02	SSA3	0.02	0.181	Oversupply
7/26/2023 8:12	0:02	SSA3	0.03	0.33	Oversupply
7/26/2023 8:13	0:01	KWP/II	0.00553	14.76974	Oversupply
7/26/2023 8:13	0:25	17-2	0.04770	0.15500	Oversupply
7/26/2023 8:14	0:02	SSA3	0.03	0.333	Oversupply
7/26/2023 8:16	0:15	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 8:16	0:42	KWP/II	2.83436	19.21862	System Constraint
7/26/2023 8:16	0:06	SSA3	0.10	0.015	Oversupply
7/26/2023 8:22	0:02	SSA3	0.03	0.22	Oversupply
7/26/2023 8:24	0:08	SSA3	0.13	0.033	Oversupply
7/26/2023 8:32	0:02	SSA3	0.03	0.422	Oversupply
7/26/2023 8:34	0:02	SSA3	0.03	0.414	Oversupply
7/26/2023 8:36	0:02	SSA3	0.03	0.335	Oversupply
7/26/2023 8:52	0:02	SSA3	0.04	0.536	Oversupply
7/26/2023 8:53	0:03	17-2	0.00445	0.12100	Oversupply
7/26/2023 8:54	0:02	SSA3	0.04	0.561	Oversupply
7/26/2023 8:58	6:32	17-2	3.02551	0.75000	Oversupply
7/26/2023 9:00	0:02	SSA3	0.05	0.592	Oversupply
7/26/2023 9:08	0:59	SSA3	1.85	0.514	Oversupply
7/26/2023 9:09	0:58	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 9:14	0:58	KWP/II	7.09110	17.20675	System Constraint
7/26/2023 10:07	0:02	SSA3	0.07	0.384	Oversupply
7/26/2023 10:09	0:06	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 10:09	0:04	SSA3	0.14	0.275	Oversupply
7/26/2023 10:13	0:02	SSA3	0.07	-0.004	Oversupply
7/26/2023 10:15	5:05	KWP/II	59.96593	18.97712	System Constraint
7/26/2023 10:15	0:02	SSA3	0.06	-0.004	Oversupply
7/26/2023 10:17	0:02	SSA3	0.06	0.148	Oversupply
7/26/2023 10:18	4:36	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 10:19	4:35	SSA3	10.47	0.178	Oversupply
7/26/2023 10:52	0:19	AWE	0.41530	21.00000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/26/2023 11:12	0:01	AWE	0.01421	21.00000	Oversupply
7/26/2023 11:31	1:20	AWE	8.69871	21.00000	Oversupply
7/26/2023 12:53	0:03	AWE	0.04204	21.00000	Oversupply
7/26/2023 12:57	0:02	AWE	0.00596	19.20000	Oversupply
7/26/2023 13:16	0:01	AWE	0.00263	21.00000	Oversupply
7/26/2023 13:29	0:05	AWE	0.09138	21.00000	Oversupply
7/26/2023 13:38	0:02	AWE	0.02369	21.00000	Oversupply
7/26/2023 13:41	0:04	AWE	0.04017	21.00000	Oversupply
7/26/2023 14:17	0:20	AWE	0.87976	21.00000	Oversupply
7/26/2023 14:54	0:02	SSA3	0.07	0.55	Oversupply
7/26/2023 14:56	0:02	SSA3	0.07	0.621	Oversupply
7/26/2023 14:58	0:02	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 14:58	0:02	SSA3	0.07	0.007	Oversupply
7/26/2023 15:00	0:02	SSA3	0.06	-0.004	Oversupply
7/26/2023 15:02	0:02	SSA3	0.06	-0.004	Oversupply
7/26/2023 15:04	0:02	SSA3	0.06	0.058	Oversupply
7/26/2023 15:08	0:02	SSA3	0.06	0.728	Oversupply
7/26/2023 15:10	0:10	SSA3	0.28	0.436	Oversupply
7/26/2023 15:11	0:01	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 15:13	0:08	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 15:20	0:02	SSA3	0.05	0.02	Oversupply
7/26/2023 15:22	0:01	KWP11	0.00526	13.31572	System Constraint
7/26/2023 15:22	0:02	SSA3	0.05	0.521	Oversupply
7/26/2023 15:24	0:02	SSA3	0.05	0.668	Oversupply
7/26/2023 15:26	0:02	SSA3	0.05	0.663	Oversupply
7/26/2023 15:30	0:02	SSA3	0.04	0.65	Oversupply
7/26/2023 15:31	0:10	17-2	0.06759	0.75000	Oversupply
7/26/2023 15:32	0:02	SSA3	0.04	0.648	Oversupply
7/26/2023 15:34	0:02	SSA3	0.04	0.646	Oversupply
7/26/2023 15:35	0:02	KWP11	0.00761	13.33268	System Constraint
7/26/2023 15:36	0:02	SSA3	0.04	0.559	Oversupply
7/26/2023 15:39	0:02	SSA3	0.04	0.622	Oversupply
7/26/2023 15:46	1:34	17-2	0.38445	0.66100	Oversupply
7/26/2023 15:50	3:13	KWP11	20.43528	18.97412	System Constraint
7/26/2023 15:51	0:02	SSA3	0.05	0.587	Oversupply
7/26/2023 15:52	1:12	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 15:53	1:11	SSA3	1.51	0.006	Oversupply
7/26/2023 17:03	0:02	SSA3	0.02	0.061	Oversupply
7/26/2023 17:05	0:02	SSA3	0.02	0.301	Oversupply
7/26/2023 17:07	0:02	SSA3	0.02	0.293	Oversupply
7/26/2023 17:09	0:01	BS250	Data is not available	Data is not available	Oversupply
7/26/2023 17:09	0:02	SSA3	0.02	0.128	Oversupply
7/26/2023 17:11	0:02	SSA3	0.02	0.071	Oversupply
7/26/2023 17:13	0:02	SSA3	0.02	0.189	Oversupply
7/26/2023 17:16	0:02	SSA3	0.02	0.243	Oversupply
7/26/2023 23:32	0:06	KWP11	0.03338	19.58887	Oversupply
7/27/2023 0:21	0:01	KWP11	0.00223	19.53996	Oversupply
7/27/2023 0:23	3:58	KWP11	23.91515	19.58188	Oversupply
7/27/2023 4:27	0:07	KWP11	0.14432	19.45913	Oversupply
7/27/2023 4:38	0:02	KWP11	0.01082	19.07392	Oversupply
7/27/2023 4:41	0:08	KWP11	0.13674	19.46512	Oversupply
7/27/2023 4:59	0:05	KWP11	0.04557	19.51102	System Constraint
7/27/2023 5:25	4:06	KWP11	19.97866	19.58288	System Constraint
7/27/2023 7:55	0:02	SSA3	0.02	0.267	Oversupply
7/27/2023 7:56	0:40	17-2	0.08995	0.24400	Oversupply
7/27/2023 7:57	0:02	SSA3	0.02	0.086	Oversupply
7/27/2023 7:59	0:02	SSA3	0.02	0.29	Oversupply
7/27/2023 8:02	0:02	SSA3	0.03	0.304	Oversupply
7/27/2023 8:04	0:02	SSA3	0.03	0.304	Oversupply
7/27/2023 8:06	0:02	SSA3	0.03	0.306	Oversupply
7/27/2023 8:08	0:02	SSA3	0.03	0.323	Oversupply
7/27/2023 8:10	0:02	SSA3	0.03	0.335	Oversupply
7/27/2023 8:12	0:02	SSA3	0.03	0.343	Oversupply
7/27/2023 8:13	0:10	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 8:14	0:10	SSA3	0.19	0.009	Oversupply
7/27/2023 8:24	0:02	SSA3	0.04	-0.002	Oversupply
7/27/2023 8:26	0:02	SSA3	0.04	-0.004	Oversupply
7/27/2023 8:28	0:02	SSA3	0.04	0.119	Oversupply
7/27/2023 8:30	0:02	SSA3	0.02	0.389	Oversupply
7/27/2023 8:32	0:02	SSA3	0.02	0.412	Oversupply
7/27/2023 8:34	0:02	SSA3	0.02	0.43	Oversupply
7/27/2023 8:37	0:01	17-2	0.00232	0.17400	Oversupply
7/27/2023 8:39	0:04	17-2	0.00945	0.18100	Oversupply
7/27/2023 8:40	0:02	SSA3	0.02	0.067	Oversupply
7/27/2023 8:50	0:02	SSA3	0.03	0.519	Oversupply
7/27/2023 8:51	0:03	17-2	0.00598	0.12800	Oversupply
7/27/2023 8:52	0:02	SSA3	0.03	0.565	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
7/27/2023 8:55	6:14	17-2	2.79734	0.75000	Oversupply
7/27/2023 8:56	0:02	SSA3	0.03	0.586	Oversupply
7/27/2023 8:58	0:02	SSA3	0.03	0.219	Oversupply
7/27/2023 9:00	0:02	SSA3	0.04	0.117	Oversupply
7/27/2023 9:02	0:02	SSA3	0.04	0.09	Oversupply
7/27/2023 9:04	0:24	SSA3	0.59	0.092	Oversupply
7/27/2023 9:07	0:21	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 9:28	0:02	SSA3	0.06	0.222	Oversupply
7/27/2023 9:29	0:03	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 9:30	0:02	SSA3	0.06	0.01	Oversupply
7/27/2023 9:32	0:02	SSA3	0.06	0.267	Oversupply
7/27/2023 9:34	0:02	SSA3	0.06	0.082	Oversupply
7/27/2023 9:35	0:08	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 9:36	0:08	SSA3	0.26	0.031	Oversupply
7/27/2023 9:41	0:03	KWPPII	0.02146	12.90556	System Constraint
7/27/2023 9:44	0:02	SSA3	0.06	0.66	Oversupply
7/27/2023 9:46	0:02	SSA3	0.05	0.721	Oversupply
7/27/2023 9:48	2:27	SSA3	4.95	0.523	Oversupply
7/27/2023 9:49	2:29	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 9:51	1:41	KWPPII	12.38787	15.75971	System Constraint
7/27/2023 10:22	0:12	AWE	0.27266	21.00000	Oversupply
7/27/2023 10:35	0:01	AWE	0.00240	18.90000	Oversupply
7/27/2023 10:41	0:01	AWE	0.00326	19.90000	Oversupply
7/27/2023 11:33	1:25	KWPPII	6.10519	16.78960	System Constraint
7/27/2023 12:16	0:02	SSA3	0.07	0.018	Oversupply
7/27/2023 12:18	0:02	SSA3	0.07	0.168	Oversupply
7/27/2023 12:20	0:35	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 12:20	0:36	SSA3	1.45	0.023	Oversupply
7/27/2023 12:56	0:10	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 12:56	0:10	SSA3	0.41	0.007	Oversupply
7/27/2023 13:06	0:02	SSA3	0.08	0.374	Oversupply
7/27/2023 13:08	0:02	SSA3	0.08	0.955	Oversupply
7/27/2023 13:10	0:02	SSA3	0.08	0.955	Oversupply
7/27/2023 13:12	1:53	SSA3	4.40	0.48	Oversupply
7/27/2023 13:13	0:02	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 13:13	2:23	KWPPII	14.35939	16.95726	System Constraint
7/27/2023 13:16	1:49	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 14:18	0:04	AWE	0.04164	21.00000	Oversupply
7/27/2023 15:05	0:02	SSA3	0.05	0.42	Oversupply
7/27/2023 15:07	0:02	SSA3	0.05	0.748	Oversupply
7/27/2023 15:09	0:02	SSA3	0.05	0.745	Oversupply
7/27/2023 15:10	0:02	17-2	0.02333	0.75000	Oversupply
7/27/2023 15:37	0:02	KWPPII	0.01985	13.70492	System Constraint
7/27/2023 15:40	0:13	KWPPII	0.30015	15.66191	System Constraint
7/27/2023 15:57	0:09	KWPPII	0.34352	16.91235	System Constraint
7/27/2023 16:13	0:41	17-2	0.15947	0.60100	Oversupply
7/27/2023 16:14	0:06	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 16:14	0:06	SSA3	0.14	0.46	Oversupply
7/27/2023 16:15	0:05	KWPPII	0.11911	17.72768	Oversupply
7/27/2023 16:20	0:02	SSA3	0.05	-0.004	Oversupply
7/27/2023 16:22	0:02	SSA3	0.05	0.167	Oversupply
7/27/2023 16:24	0:06	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 16:24	0:26	SSA3	0.53	0.235	Oversupply
7/27/2023 16:25	0:04	KWPPII	0.09350	17.82747	Oversupply
7/27/2023 16:31	0:17	BS250	Data is not available	Data is not available	Oversupply
7/27/2023 16:31	0:17	KWPPII	0.76406	18.03605	Oversupply
7/27/2023 16:50	0:02	SSA3	0.02	0.184	Oversupply
7/27/2023 16:52	0:02	SSA3	0.02	0.468	Oversupply
7/27/2023 17:08	0:07	17-2	0.01825	0.21900	Oversupply
7/27/2023 17:08	0:02	SSA3	0.01	0.183	Oversupply
7/27/2023 17:10	0:02	SSA3	0.01	0.168	Oversupply
7/27/2023 17:12	0:02	SSA3	0.01	0.223	Oversupply
7/27/2023 17:16	0:13	17-2	0.04592	0.41300	Oversupply
7/27/2023 17:20	0:02	SSA3	0.02	0.302	Oversupply
7/27/2023 17:22	0:02	SSA3	0.02	0.358	Oversupply
7/27/2023 17:24	0:02	SSA3	0.02	0.188	Oversupply
7/27/2023 17:26	0:02	SSA3	0.02	0.142	Oversupply
7/27/2023 17:30	0:01	17-2	0.00222	0.13300	Oversupply
7/27/2023 18:24	0:01	17-2	0.00100	0.06000	Oversupply
7/27/2023 22:46	0:07	KWPPII	0.09266	18.06698	Oversupply
7/27/2023 23:20	0:04	KWPPII	0.01251	18.06499	Oversupply
7/27/2023 23:56	0:29	KWPPII	1.65160	18.06898	Oversupply
7/28/2023 1:16	0:02	KWPPII	0.00839	18.06299	Oversupply
7/28/2023 1:19	0:23	KWPPII	1.12115	18.06898	Oversupply
7/28/2023 1:43	12:59	KWPPII	128.39328	18.06299	System Constraint
7/28/2023 5:49	0:27	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 6:21	0:01	BS250	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
7/28/2023 6:25	0:01	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 6:25	0:02	17-2	0.00083	0.02500	Oversupply
7/28/2023 6:25	0:02	SSA3	0.00	0.014	Oversupply
7/28/2023 6:28	0:02	17-2	0.00083	0.02500	Oversupply
7/28/2023 6:29	0:02	SSA3	0.00	0.015	Oversupply
7/28/2023 6:31	0:02	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 6:31	0:08	17-2	0.00333	0.02500	Oversupply
7/28/2023 6:31	0:02	SSA3	0.00	0.016	Oversupply
7/28/2023 6:34	0:04	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 6:35	0:04	SSA3	0.01	0.02	Oversupply
7/28/2023 6:41	0:02	SSA3	0.00	0.027	Oversupply
7/28/2023 6:42	0:02	17-2	0.00083	0.02500	Oversupply
7/28/2023 7:09	0:01	17-2	0.00080	0.04800	Oversupply
7/28/2023 7:14	0:02	SSA3	0.01	0.113	Oversupply
7/28/2023 7:15	8:01	17-2	2.97749	0.75000	Oversupply
7/28/2023 7:16	0:01	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 7:16	0:32	SSA3	0.33	0.117	Oversupply
7/28/2023 7:18	0:31	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 7:48	0:02	SSA3	0.03	-0.003	Oversupply
7/28/2023 7:50	0:12	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 7:50	0:14	SSA3	0.20	0.007	Oversupply
7/28/2023 8:03	0:01	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 8:05	6:38	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 8:06	6:40	SSA3	13.67	0.008	Oversupply
7/28/2023 8:59	0:09	AWE	0.10193	21.00000	Oversupply
7/28/2023 9:11	0:03	AWE	0.00689	21.00000	Oversupply
7/28/2023 9:23	0:01	AWE	0.00191	21.00000	Oversupply
7/28/2023 9:26	0:01	AWE	0.00104	21.00000	Oversupply
7/28/2023 9:28	0:06	AWE	0.09792	21.00000	Oversupply
7/28/2023 9:35	0:01	AWE	0.00157	21.00000	Oversupply
7/28/2023 9:37	0:02	AWE	0.00288	21.00000	Oversupply
7/28/2023 10:03	0:38	AWE	2.25138	21.00000	Oversupply
7/28/2023 10:43	0:04	AWE	0.04190	21.00000	Oversupply
7/28/2023 10:48	0:01	AWE	0.00057	21.00000	Oversupply
7/28/2023 10:59	0:01	AWE	0.00341	21.00000	Oversupply
7/28/2023 11:02	0:03	AWE	0.03940	21.00000	Oversupply
7/28/2023 11:06	0:01	AWE	0.00074	21.00000	Oversupply
7/28/2023 11:11	0:02	AWE	0.01263	21.00000	Oversupply
7/28/2023 12:29	0:01	AWE	0.00141	21.00000	Oversupply
7/28/2023 13:05	0:10	AWE	0.31868	21.00000	Oversupply
7/28/2023 13:16	0:01	AWE	0.01107	20.70000	Oversupply
7/28/2023 14:44	0:01	KWPPI	0.00080	13.04827	System Constraint
7/28/2023 14:45	0:03	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 14:46	0:02	SSA3	0.07	0.103	Oversupply
7/28/2023 14:47	0:01	KWPPI	0.02049	13.70692	System Constraint
7/28/2023 14:48	0:02	SSA3	0.07	0.2	Oversupply
7/28/2023 14:49	0:01	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 14:49	0:01	KWPPI	0.00117	13.00735	System Constraint
7/28/2023 14:52	0:02	SSA3	0.07	-0.003	Oversupply
7/28/2023 14:53	0:05	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 14:54	0:04	KWPPI	0.08473	14.56915	System Constraint
7/28/2023 14:54	0:04	SSA3	0.14	-0.004	Oversupply
7/28/2023 14:58	0:02	SSA3	0.07	0.257	Oversupply
7/28/2023 15:00	0:02	SSA3	0.05	0.256	Oversupply
7/28/2023 15:01	0:02	BS250	Data is not available	Data is not available	Oversupply
7/28/2023 15:02	0:02	SSA3	0.05	0.005	Oversupply
7/28/2023 15:04	0:02	SSA3	0.05	0.644	Oversupply
7/28/2023 15:06	0:02	SSA3	0.05	0.715	Oversupply
7/28/2023 15:08	0:02	SSA3	0.05	0.704	Oversupply
7/28/2023 15:11	0:02	SSA3	0.05	0.699	Oversupply
7/28/2023 15:13	0:02	SSA3	0.05	0.689	Oversupply
7/28/2023 15:15	0:02	KWPPI	0.01990	13.85461	System Constraint
7/28/2023 15:33	0:03	KWPPI	0.02916	13.70093	System Constraint
7/28/2023 15:37	0:01	KWPPI	0.00899	13.53926	System Constraint
7/28/2023 15:39	0:02	KWPPI	0.03432	14.18893	System Constraint
7/28/2023 15:43	0:01	KWPPI	0.00997	13.59814	System Constraint
7/28/2023 15:45	0:01	KWPPI	0.01795	14.07716	System Constraint
7/28/2023 15:48	0:01	KWPPI	0.00451	13.27081	System Constraint
7/28/2023 15:51	0:02	KWPPI	0.00868	13.40753	System Constraint
7/28/2023 15:55	0:01	KWPPI	0.00074	13.04427	System Constraint
7/28/2023 16:00	0:04	KWPPI	0.09196	14.67294	System Constraint
7/28/2023 16:08	0:01	KWPPI	0.00408	13.29177	System Constraint
7/28/2023 16:10	0:03	KWPPI	0.04194	14.47834	System Constraint
7/28/2023 16:17	0:01	KWPPI	0.02449	14.46935	System Constraint
7/28/2023 16:23	0:02	KWPPI	0.00613	13.34466	System Constraint
7/28/2023 16:26	2:17	KWPPI	3.71686	14.98729	System Constraint
7/29/2023 0:44	5:34	KWPPI	52.67472	15.00825	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/29/2023 3:00	0:02	AWE	0.00115	21.00000	Oversupply
7/29/2023 3:03	0:02	AWE	0.00065	21.00000	Oversupply
7/29/2023 5:49	0:29	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 6:37	2:07	17-2	0.42413	0.58800	Oversupply
7/29/2023 6:37	1:53	SSA3	1.27	0.021	Oversupply
7/29/2023 6:38	1:52	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 6:38	1:53	KWPPII	11.13535	14.99328	Oversupply
7/29/2023 8:30	0:02	SSA3	0.04	0.066	Oversupply
7/29/2023 8:32	0:05	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 8:32	0:05	KWPPII	0.10909	10.23503	Oversupply
7/29/2023 8:32	0:04	SSA3	0.07	0.05	Oversupply
7/29/2023 8:36	0:02	SSA3	0.04	0.084	Oversupply
7/29/2023 8:38	0:02	SSA3	0.04	0.429	Oversupply
7/29/2023 8:42	0:02	SSA3	0.04	0.447	Oversupply
7/29/2023 8:43	0:01	KWPPII	0.00308	6.25019	Oversupply
7/29/2023 8:44	0:02	SSA3	0.04	0.449	Oversupply
7/29/2023 8:45	6:44	17-2	4.60362	0.75000	Oversupply
7/29/2023 8:46	0:02	SSA3	0.05	0.462	Oversupply
7/29/2023 8:48	1:59	SSA3	3.96	0.471	Oversupply
7/29/2023 8:49	0:30	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 8:50	6:18	KWPPII	36.78673	12.87263	Oversupply
7/29/2023 8:58	0:04	AWE	0.05920	21.00000	Oversupply
7/29/2023 9:07	0:02	AWE	0.02414	21.00000	Oversupply
7/29/2023 9:11	0:03	AWE	0.03287	21.00000	Oversupply
7/29/2023 9:20	1:27	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 9:32	0:24	AWE	1.13169	21.00000	Oversupply
7/29/2023 9:57	0:01	AWE	0.00630	21.00000	Oversupply
7/29/2023 10:07	0:24	AWE	1.26624	21.00000	Oversupply
7/29/2023 10:47	0:02	SSA3	0.08	0.328	Oversupply
7/29/2023 10:48	4:19	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 10:49	4:20	SSA3	10.58	-0.003	Oversupply
7/29/2023 10:56	0:12	AWE	0.12924	21.00000	Oversupply
7/29/2023 11:09	0:37	AWE	1.00176	21.00000	Oversupply
7/29/2023 11:47	1:36	AWE	4.42033	21.00000	Oversupply
7/29/2023 13:24	0:03	AWE	0.03557	21.00000	Oversupply
7/29/2023 13:38	0:30	AWE	0.92140	21.00000	Oversupply
7/29/2023 14:18	0:02	AWE	0.02323	21.00000	Oversupply
7/29/2023 14:22	0:01	AWE	0.00307	21.00000	Oversupply
7/29/2023 15:10	0:02	SSA3	0.06	0.68	Oversupply
7/29/2023 15:11	0:15	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 15:12	0:14	KWPPII	0.65164	15.44236	Oversupply
7/29/2023 15:12	0:14	SSA3	0.41	0.221	Oversupply
7/29/2023 15:26	0:02	SSA3	0.06	0.135	Oversupply
7/29/2023 15:49	0:03	17-2	0.03022	0.68100	Oversupply
7/29/2023 15:50	0:02	SSA3	0.04	0.591	Oversupply
7/29/2023 15:52	0:02	SSA3	0.04	0.587	Oversupply
7/29/2023 15:53	0:11	17-2	0.10903	0.65500	Oversupply
7/29/2023 15:54	0:08	BS250	Data is not available	Data is not available	Oversupply
7/29/2023 15:54	0:08	SSA3	0.16	0.037	Oversupply
7/29/2023 15:55	0:08	KWPPII	0.22968	15.21083	Oversupply
7/29/2023 16:02	0:02	SSA3	0.03	0.119	Oversupply
7/29/2023 16:06	0:01	17-2	0.00627	0.60100	Oversupply
7/29/2023 21:48	0:09	KWPPII	0.23968	14.77972	Oversupply
7/29/2023 22:01	2:09	KWPPII	14.50266	14.98330	Oversupply
7/30/2023 0:32	0:30	KWPPII	1.27859	14.99228	Oversupply
7/30/2023 1:11	0:01	KWPPII	0.00256	14.96035	Oversupply
7/30/2023 1:26	2:46	KWPPII	24.52287	15.61501	Oversupply
7/30/2023 2:00	0:01	AWE	0.00856	18.40000	Oversupply
7/30/2023 2:02	0:10	AWE	0.47922	21.00000	Oversupply
7/30/2023 4:13	0:02	KWPPII	0.00578	10.72103	Oversupply
7/30/2023 6:36	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 7:16	0:02	SSA3	0.01	0.12	Oversupply
7/30/2023 7:18	0:01	17-2	0.00097	0.05800	Oversupply
7/30/2023 7:21	0:03	17-2	0.00728	0.19800	Oversupply
7/30/2023 7:22	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 7:22	0:02	KWPPII	0.00764	7.92676	Oversupply
7/30/2023 7:22	0:02	SSA3	0.01	0.012	Oversupply
7/30/2023 7:26	0:02	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 7:26	0:05	17-2	0.01363	0.20500	Oversupply
7/30/2023 7:26	0:02	SSA3	0.01	0.002	Oversupply
7/30/2023 7:27	0:01	KWPPII	0.01015	9.64723	Oversupply
7/30/2023 7:28	0:02	SSA3	0.01	0.084	Oversupply
7/30/2023 7:30	0:02	SSA3	0.02	0.166	Oversupply
7/30/2023 7:38	0:02	17-2	0.00639	0.24500	Oversupply
7/30/2023 7:38	0:02	SSA3	0.02	0.029	Oversupply
7/30/2023 7:39	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 7:39	0:01	KWPPII	0.00164	8.08643	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/30/2023 8:44	0:03	17-2	0.02101	0.55100	Oversupply
7/30/2023 8:54	0:56	17-2	0.57073	0.75000	Oversupply
7/30/2023 8:57	0:06	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 8:57	0:06	KWPPII	0.05102	4.51774	System Constraint
7/30/2023 8:57	0:04	SSA3	0.08	0.27	Oversupply
7/30/2023 9:01	0:02	SSA3	0.05	0.047	Oversupply
7/30/2023 9:03	0:02	SSA3	0.05	0.363	Oversupply
7/30/2023 9:05	0:02	SSA3	0.05	0.534	Oversupply
7/30/2023 9:07	0:36	SSA3	1.09	0.174	Oversupply
7/30/2023 9:08	0:35	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 9:08	0:01	KWPPII	0.00271	6.88090	System Constraint
7/30/2023 9:10	0:34	KWPPII	1.72800	10.12725	System Constraint
7/30/2023 9:43	0:02	SSA3	0.06	0.295	Oversupply
7/30/2023 9:45	0:02	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 9:45	0:02	SSA3	0.05	0.011	Oversupply
7/30/2023 9:46	0:01	KWPPII	0.00881	4.97680	System Constraint
7/30/2023 9:47	0:02	SSA3	0.05	0.524	Oversupply
7/30/2023 9:51	0:28	17-2	0.27296	0.75000	Oversupply
7/30/2023 9:51	0:02	SSA3	0.05	0.667	Oversupply
7/30/2023 9:57	0:02	SSA3	0.05	0.69	Oversupply
7/30/2023 9:59	0:02	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 9:59	0:02	SSA3	0.06	0.263	Oversupply
7/30/2023 10:00	0:01	KWPPII	0.00134	4.28223	System Constraint
7/30/2023 10:01	0:02	SSA3	0.06	0.505	Oversupply
7/30/2023 10:03	0:02	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 10:03	0:04	SSA3	0.12	0.023	Oversupply
7/30/2023 10:04	0:03	KWPPII	0.01613	3.53975	System Constraint
7/30/2023 10:06	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 10:07	0:02	SSA3	0.06	0.273	Oversupply
7/30/2023 10:09	0:02	SSA3	0.06	0.71	Oversupply
7/30/2023 10:13	0:02	SSA3	0.06	0.723	Oversupply
7/30/2023 10:15	0:02	SSA3	0.05	0.726	Oversupply
7/30/2023 10:20	2:57	17-2	1.99039	0.75000	Oversupply
7/30/2023 10:21	0:02	SSA3	0.05	0.747	Oversupply
7/30/2023 10:23	0:02	SSA3	0.05	0.753	Oversupply
7/30/2023 10:25	0:02	SSA3	0.05	0.753	Oversupply
7/30/2023 10:27	0:02	SSA3	0.05	0.761	Oversupply
7/30/2023 10:29	0:02	SSA3	0.07	0.765	Oversupply
7/30/2023 10:31	0:05	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 10:31	0:06	SSA3	0.23	0.126	Oversupply
7/30/2023 10:32	0:05	KWPPII	0.02985	0.92111	System Constraint
7/30/2023 10:36	0:01	AWE	0.01093	21.00000	Oversupply
7/30/2023 10:37	0:02	SSA3	0.08	0.497	Oversupply
7/30/2023 10:39	1:46	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 10:39	0:05	KWPPII	0.06292	1.61469	System Constraint
7/30/2023 10:39	1:45	SSA3	4.57	0.005	Oversupply
7/30/2023 10:43	1:42	AWE	7.14321	21.00000	Oversupply
7/30/2023 10:45	0:47	KWPPII	0.87163	2.86014	System Constraint
7/30/2023 11:34	0:47	KWPPII	0.94203	2.69648	System Constraint
7/30/2023 12:24	0:02	SSA3	0.09	0.021	Oversupply
7/30/2023 12:25	0:03	KWPPII	0.00207	0.12973	System Constraint
7/30/2023 12:26	0:08	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 12:26	0:08	AWE	0.13807	21.00000	Oversupply
7/30/2023 12:26	0:12	SSA3	0.50	0.011	Oversupply
7/30/2023 12:35	0:01	KWPPII	0.00268	0.16067	System Constraint
7/30/2023 12:36	0:02	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 12:37	0:01	AWE	0.00024	21.00000	Oversupply
7/30/2023 12:37	0:01	KWPPII	0.00048	0.28043	System Constraint
7/30/2023 12:38	0:02	SSA3	0.08	0.322	Oversupply
7/30/2023 12:40	0:02	SSA3	0.08	0.889	Oversupply
7/30/2023 12:42	0:02	SSA3	0.08	0.947	Oversupply
7/30/2023 12:45	0:02	SSA3	0.08	0.773	Oversupply
7/30/2023 12:46	0:01	KWPPII	0.00115	0.06886	System Constraint
7/30/2023 12:47	0:02	SSA3	0.08	0.525	Oversupply
7/30/2023 12:49	0:02	SSA3	0.08	0.894	Oversupply
7/30/2023 12:51	0:02	SSA3	0.08	0.366	Oversupply
7/30/2023 12:52	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 12:52	0:01	KWPPII	0.00136	0.08183	System Constraint
7/30/2023 12:53	0:02	SSA3	0.08	0.07	Oversupply
7/30/2023 12:54	0:01	BS250	Data is not available	Data is not available	Oversupply
7/30/2023 12:55	0:02	SSA3	0.08	0.124	Oversupply
7/30/2023 12:57	0:02	SSA3	0.08	0.659	Oversupply
7/30/2023 12:59	0:02	SSA3	0.08	0.699	Oversupply
7/30/2023 13:01	0:02	SSA3	0.06	0.864	Oversupply
7/30/2023 13:03	0:02	SSA3	0.06	0.55	Oversupply
7/30/2023 13:05	0:02	SSA3	0.06	0.7	Oversupply
7/30/2023 13:06	0:03	BS250	Data is not available	Data is not available	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
7/30/2023 13:06	0:03	KWP/II	0.00303	0.54189	System Constraint
7/30/2023 13:07	0:02	SSA3	0.06	0.02	Oversupply
7/30/2023 13:09	0:02	SSA3	0.06	0.451	Oversupply
7/30/2023 13:11	0:02	SSA3	0.06	0.935	Oversupply
7/30/2023 13:13	0:02	SSA3	0.06	0.919	Oversupply
7/30/2023 16:51	0:01	KWP/II	0.00085	0.07085	System Constraint
7/30/2023 23:14	0:33	KWP/II	3.60320	13.44645	Oversupply
7/30/2023 23:30	0:06	AWE	0.04945	21.00000	Oversupply
7/30/2023 23:55	0:20	KWP/II	1.27191	14.64000	Oversupply
7/31/2023 0:19	0:03	KWP/II	0.04050	13.73785	Oversupply
7/31/2023 0:42	0:32	KWP/II	2.82911	12.67204	Oversupply
7/31/2023 1:15	0:02	KWP/II	0.02035	12.15110	Oversupply
7/31/2023 1:36	0:08	KWP/II	0.28738	14.14801	Oversupply
7/31/2023 1:45	0:04	KWP/II	0.06184	13.65103	Oversupply
7/31/2023 7:32	0:02	SSA3	0.02	0.236	Oversupply
7/31/2023 7:33	0:01	17-2	0.00061	0.12200	Oversupply
7/31/2023 7:48	0:02	SSA3	0.02	0.259	Oversupply
7/31/2023 7:50	0:03	17-2	0.00633	0.13500	Oversupply
7/31/2023 7:51	0:02	SSA3	0.02	0.283	Oversupply
7/31/2023 7:51	0:02	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 8:33	0:03	17-2	0.00410	0.10300	Oversupply
7/31/2023 8:33	0:02	SSA3	0.03	0.293	Oversupply
7/31/2023 8:34	0:01	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 8:34	0:01	KWP/II	0.00010	15.14297	Oversupply
7/31/2023 8:37	0:02	17-2	0.00867	0.43800	Oversupply
7/31/2023 8:37	0:02	SSA3	0.02	0.461	Oversupply
7/31/2023 8:45	0:04	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 8:45	0:32	17-2	0.24575	0.75000	Oversupply
7/31/2023 8:45	0:04	SSA3	0.09	0.313	Oversupply
7/31/2023 8:46	5:43	KWP/II	65.93984	16.52215	Oversupply
7/31/2023 8:49	0:02	SSA3	0.04	-0.002	Oversupply
7/31/2023 8:50	0:26	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 8:51	0:24	SSA3	0.49	-0.002	Oversupply
7/31/2023 9:23	0:02	17-2	0.02043	0.75000	Oversupply
7/31/2023 9:26	0:06	17-2	0.05243	0.75000	Oversupply
7/31/2023 9:27	0:02	SSA3	0.03	0.238	Oversupply
7/31/2023 9:28	0:01	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 9:29	0:02	SSA3	0.03	0.47	Oversupply
7/31/2023 9:33	0:02	SSA3	0.06	0.631	Oversupply
7/31/2023 9:34	2:21	17-2	1.21683	0.75000	Oversupply
7/31/2023 9:35	0:24	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 9:35	0:24	SSA3	0.72	0.072	Oversupply
7/31/2023 10:00	0:02	SSA3	0.07	0.239	Oversupply
7/31/2023 10:01	1:49	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 10:02	1:49	SSA3	4.11	0.021	Oversupply
7/31/2023 10:24	0:01	AWE	0.00241	21.00000	Oversupply
7/31/2023 10:30	0:48	AWE	4.40027	21.00000	Oversupply
7/31/2023 11:22	0:04	AWE	0.15675	21.00000	Oversupply
7/31/2023 11:32	0:08	AWE	0.19734	21.00000	Oversupply
7/31/2023 11:51	0:02	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 11:51	0:02	SSA3	0.06	0.011	Oversupply
7/31/2023 11:54	0:01	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 11:55	0:02	SSA3	0.06	-0.003	Oversupply
7/31/2023 11:56	3:48	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 11:56	4:05	17-2	2.58007	0.75000	Oversupply
7/31/2023 11:57	4:02	SSA3	8.76	0.097	Oversupply
7/31/2023 12:02	0:14	AWE	0.60602	21.00000	Oversupply
7/31/2023 12:17	0:01	AWE	0.02873	21.00000	Oversupply
7/31/2023 12:24	0:04	AWE	0.08578	21.00000	Oversupply
7/31/2023 12:42	1:36	AWE	14.96529	21.00000	Oversupply
7/31/2023 14:36	0:03	KWP/II	0.02144	2.76633	Oversupply
7/31/2023 14:40	0:02	KWP/II	0.01382	2.76733	Oversupply
7/31/2023 14:48	3:51	KWP/II	17.79439	16.52913	Oversupply
7/31/2023 14:49	0:01	AWE	0.00966	19.50000	Oversupply
7/31/2023 14:54	0:05	AWE	0.17165	20.90000	Oversupply
7/31/2023 15:00	0:01	AWE	0.02034	20.50000	Oversupply
7/31/2023 15:45	0:15	BS250	Data is not available	Data is not available	Oversupply
7/31/2023 15:59	0:02	SSA3	0.05	0.132	Oversupply
7/31/2023 16:02	0:01	17-2	0.00064	0.21100	Oversupply
7/31/2023 16:05	0:02	17-2	0.00474	0.25300	Oversupply
7/31/2023 16:05	0:02	SSA3	0.03	0.537	Oversupply
7/31/2023 23:41	0:15	KWP/II	0.33349	16.52614	Oversupply

SERVICE LIST
(Docket No. 2011-0206)

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Chu, Michael

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Sent: Monday, August 28, 2023 10:41 AM
To: Chu, Michael
Subject: Hawaii PUC CDMS eSERVICES - E-Filing F-294244 FILED Confirmation

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