



December 20, 2024

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 November 2024 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

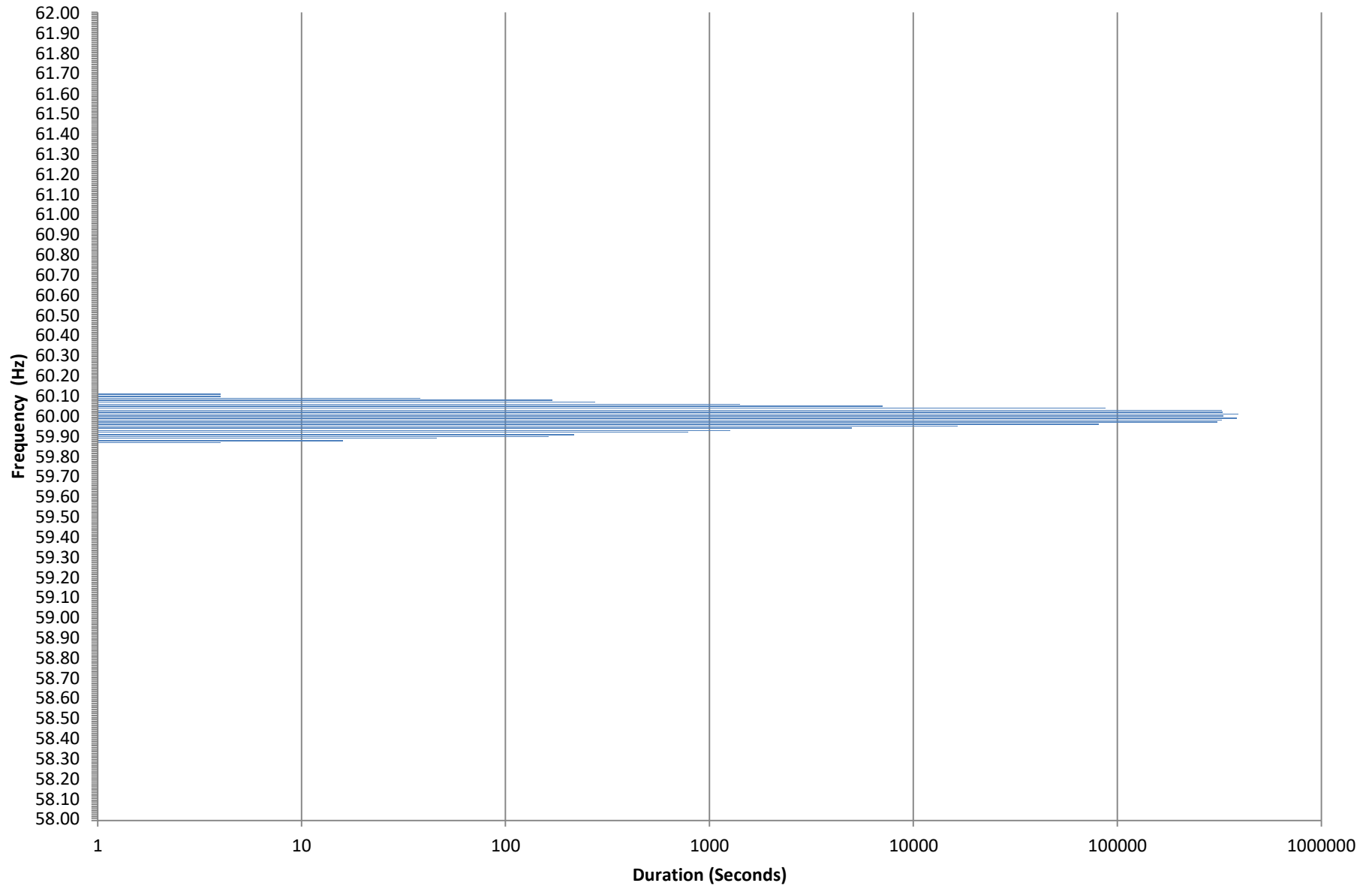
Kevin M. Katsura
Director, Regulatory Non-Rate Proceedings

Enclosures

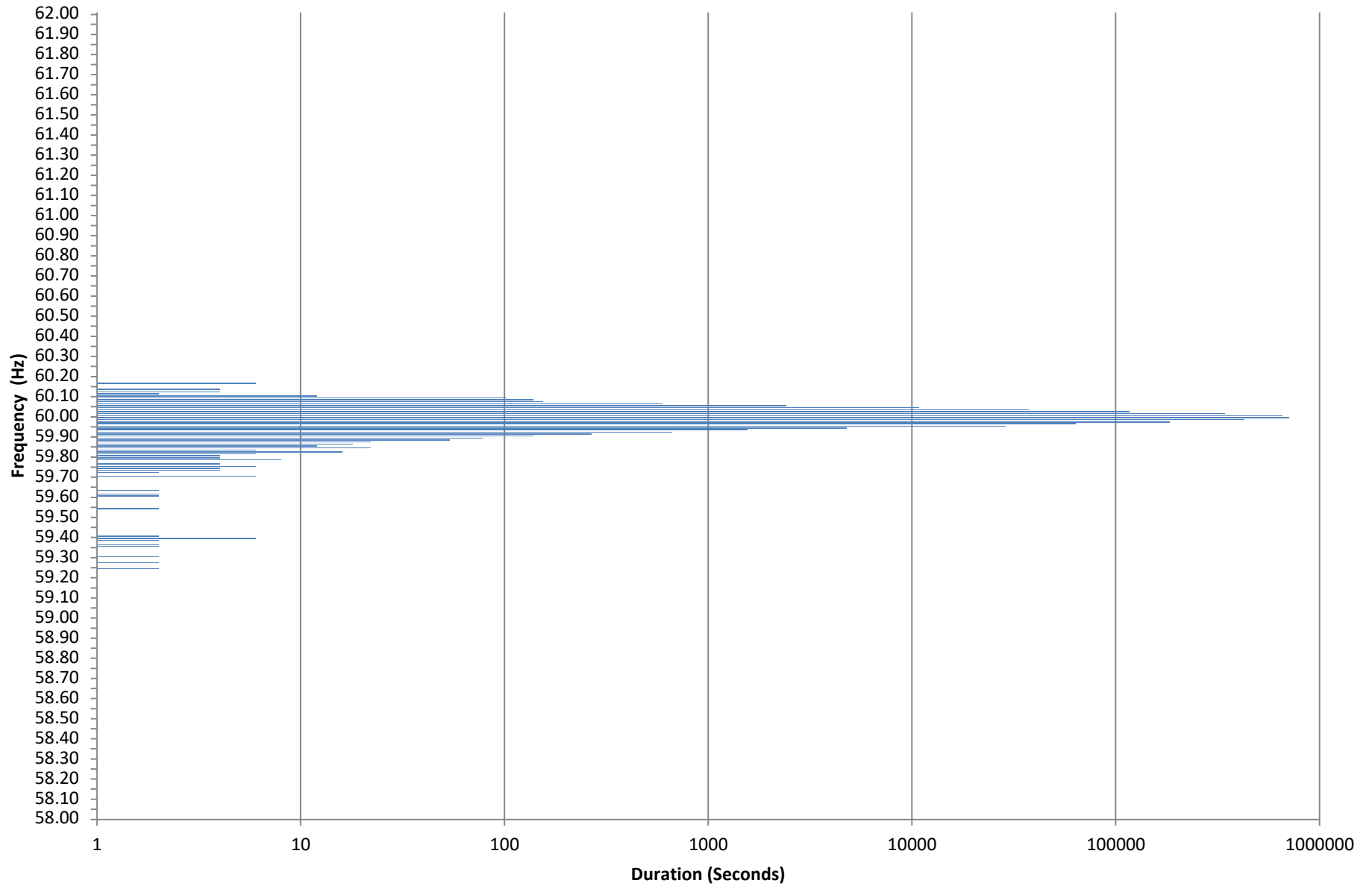
c: Service List

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.

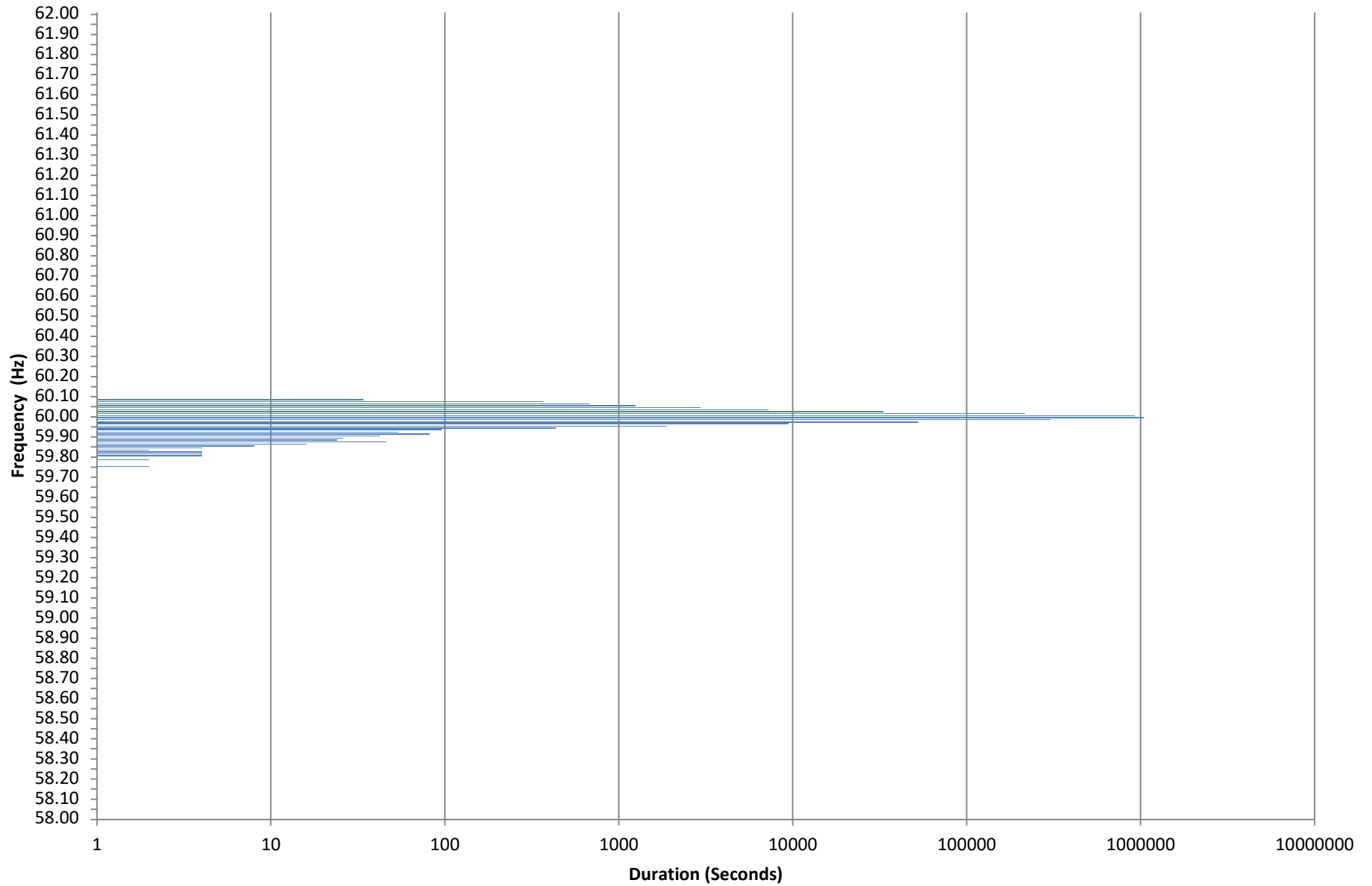
Frequency Distribution Plot - Hawaiian Electric November 2024



Frequency Distribution Plot - Hawai'i Island November 2024



Frequency Distribution Plot - Maui Electric Company, Limited November 2024



Hawaiian Electric Frequency Excursion Statistics November 2024		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	1152	348
Maximum Duration (sec)	320	172
Maximum Deviation (Hz)	59.872	60.11
Total Duration of Excursions (sec)	12036	3382

Hawai'i Island Frequency Excursion Statistics November 2024		
	<59.95 Hz	>60.05 Hz
Number of Excursions	3588	333
Maximum Duration (sec)	144	194
Maximum Deviation (Hz)	59.237	60.165
Total Duration of Excursions (sec)	21518	1794

Maui Electric Company, Limited Frequency Excursion Statistics November 2024		
	<59.95 Hz	>60.05 Hz
Number of Excursions	535	91
Maximum Duration (sec)	110	114
Maximum Deviation (Hz)	59.747	60.077
Total Duration of Excursions (sec)	2730	1074

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**HAWAII ELECTRIC LIGHT COMPANY, INC.
UNDERFREQUENCY LOAD SHEDDING EVENTS
November 2024**

Event #	Date	Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
			Prior to Event	Nadir	Level UFLS Occurred			
1	11/22/2024	6:21 AM	60.00	59.24	59.50	7.10	0:05	CT5 tripped offline while producing 18.5 MW. UFLS Kicker 2 triggered after 20 seconds below 59.5.

Note: (K) indicates "Kicker" (long time delay) stage operation.
59.50 Hz at 20-seconds
59.30 Hz at 10-seconds
(p) indicates preliminary load values

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Hawaiian Electric Company, Inc. Curtailment Report November 2024

Start Date/Time	Curtailment Set Point	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Estimated MWh of curtailed energy during event (1)	IPP/Facility	Reason for Curtailment
11/02/24 06:33	0.0	8.80	11/02/24 14:41	0	*	NPM	System Constraints
11/02/24 06:36	0.0	0.00	11/02/24 06:55	0	*	MFO	System Constraints
11/02/24 06:37	0.0	4.20	11/02/24 06:55	0	*	Kahuku WF	System Constraints
11/02/24 06:38	0.0	0.00	11/02/24 06:56	0	*	KWMakai	System Constraints
11/02/24 06:39	0.0	0.00	11/02/24 06:58	0	*	KSMakai	System Constraints
11/02/24 13:20	0.0	0.00	11/02/24 14:43	0	*	MFO	System Constraints
11/02/24 13:22	0.0	8.10	11/02/24 14:44	0	*	Kahuku WF	System Constraints
11/02/24 13:24	0.0	9.60	11/02/24 14:46	0	*	KSMakai	System Constraints
11/02/24 13:24	0.0	2.10	11/02/24 14:46	0	*	KWMakai	System Constraints
11/03/24 18:48	0.0	9.50	11/04/24 09:29	0	*	NPM	System Constraints
11/03/24 18:49	0.0	0.00	11/03/24 19:15	0	*	MFO	System Constraints
11/03/24 18:50	0.0	6.90	11/03/24 19:16	0	*	Kahuku WF	System Constraints
11/03/24 18:52	0.0	0.00	11/03/24 19:18	0	*	KSMakai	System Constraints
11/03/24 18:52	0.0	3.50	11/03/24 19:18	0	*	KWMakai	System Constraints
11/04/24 06:31	0.0	0.00	11/04/24 09:30	0	*	MFO	System Constraints
11/04/24 07:31	0.0	9.10	11/04/24 09:31	0	*	Kahuku WF	System Constraints
11/04/24 07:32	0.0	1.60	11/04/24 09:32	0	*	KSMakai	System Constraints
11/04/24 07:32	0.0	5.80	11/04/24 09:32	0	*	KWMakai	System Constraints
11/05/24 14:33	0.0	5.20	11/05/24 21:02	0	*	NPM	System Constraints
11/06/24 06:33	0.0	8.30	11/06/24 08:34	0	*	NPM	System Constraints
11/06/24 10:07	0.0	1.30	11/06/24 15:21	0	*	KLS2	System Constraints
11/06/24 14:59	0.0	9.20	11/06/24 15:55	0	*	NPM	System Constraints
11/07/24 05:46	0.0	24.00	11/07/24 06:34	0	*	NPM	System Constraints
11/07/24 08:40	0.0	2.50	11/07/24 15:27	0	*	KLS2	System Constraints
11/07/24 13:44	0.0	21.40	11/07/24 14:26	0	*	NPM	System Constraints
11/08/24 06:20	0.0	0.00	11/08/24 17:33	0	*	WAIH N	System Constraints
11/08/24 06:21	0.0	0.00	11/08/24 17:34	0	*	WAIH S	System Constraints
11/08/24 08:13	0.0	0.70	11/08/24 13:39	0	*	KLS2	System Constraints
11/08/24 16:42	0.0	0.00	11/08/24 16:54	0	*	KSMakai	System Constraints
11/08/24 16:42	0.0	9.50	11/08/24 17:36	0	*	KWMauka	System Constraints
11/08/24 16:55	0.0	1.00	11/08/24 17:36	0	*	KSMauka	System Constraints
11/11/24 07:55	0.0	1.30	11/11/24 11:59	0	*	KLS2	System Constraints
11/13/24 00:48	0.0	0.00	11/13/24 01:12	0	*	Aloha1	System Constraints
11/13/24 06:48	0.0	23.60	11/13/24 15:32	0	*	NPM	System Constraints
11/13/24 06:49	0.0	0.00	11/13/24 07:40	0	*	MFO	System Constraints
11/13/24 06:50	0.0	16.60	11/13/24 07:42	0	*	Kahuku WF	System Constraints
11/13/24 06:51	0.0	11.00	11/13/24 07:42	0	*	KWMakai	System Constraints
11/13/24 06:52	0.0	0.00	11/13/24 07:42	0	*	KSMakai	System Constraints
11/13/24 07:21	0.0	0.00	11/13/24 07:39	0	*	KREP	System Constraints
11/13/24 07:22	0.0	0.00	11/13/24 07:39	0	*	KLS2	System Constraints
11/13/24 07:22	0.0	0.00	11/13/24 07:40	0	*	WestL	System Constraints
11/13/24 14:28	0.0	0.00	11/13/24 15:33	0	*	MFO	System Constraints
11/13/24 14:29	0.0	19.90	11/13/24 15:34	0	*	Kahuku WF	System Constraints
11/13/24 14:31	0.0	4.20	11/13/24 15:35	0	*	KSMakai	System Constraints
11/13/24 14:31	0.0	12.90	11/13/24 15:35	0	*	KWMakai	System Constraints
11/13/24 15:51	0.0	1.10	11/13/24 16:33	0	*	KREP	System Constraints
11/13/24 15:53	0.0	4.30	11/13/24 16:36	0	*	WestL	System Constraints
11/13/24 15:54	0.0	0.60	11/13/24 16:32	0	*	KLS2	System Constraints
11/14/24 07:30	0.0	23.70	11/14/24 16:35	0	*	NPM	System Constraints
11/18/24 06:22	0.0	23.20	11/18/24 07:07	0	*	NPM	System Constraints
11/18/24 14:06	0.0	15.50	11/18/24 15:11	0	*	NPM	System Constraints
11/19/24 07:29	0.0	17.20	11/19/24 09:10	0	*	NPM	System Constraints
11/19/24 14:00	0.0	6.40	11/19/24 14:26	0	*	NPM	System Constraints
11/20/24 06:19	0.0	0.00	11/20/24 07:55	0	*	WestL	System Constraints
11/20/24 06:41	0.0	0.00	11/20/24 07:49	0	*	KREP	System Constraints
11/20/24 06:43	0.0	0.00	11/20/24 17:31	0	*	Aloha2	System Constraints
11/20/24 08:14	0.0	1.00	11/20/24 10:03	0	*	Aloha1	System Constraints
11/20/24 08:15	0.0	11.00	11/20/24 10:07	0	*	Waianae	System Constraints
11/20/24 08:26	0.0	13.30	11/20/24 09:06	0	*	NPM	System Constraints
11/20/24 13:54	0.0	9.10	11/20/24 15:26	0	*	NPM	System Constraints
11/20/24 14:26	0.0	20.40	11/20/24 15:55	0	*	Waianae	System Constraints
11/20/24 14:28	0.0	0.00	11/20/24 15:37	0	*	Aloha1	System Constraints
11/20/24 16:50	0.0	4.60	11/20/24 17:33	0	*	WestL	System Constraints
11/20/24 16:53	0.0	0.20	11/20/24 17:32	0	*	KREP	System Constraints
11/21/24 08:07	0.0	8.70	11/21/24 09:58	0	*	NPM	System Constraints
11/21/24 14:45	0.0	11.80	11/21/24 16:46	0	*	NPM	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report November 2024

Start Date/Time	Curtailment Set Point	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Estimated MWh of curtailed energy during event (1)	IPP/Facility	Reason for Curtailment
11/22/24 07:21	0.0	2.70	11/22/24 08:00	0	*	NPM	System Constraints
11/22/24 13:42	0.0	2.60	11/22/24 14:03	0	*	NPM	System Constraints
11/26/24 05:53	0.0	0.00	11/26/24 14:17	0	*	Aloha1	System Constraints
11/26/24 06:00	0.0	0.00	11/26/24 08:06	0	*	Waianae	System Constraints
11/26/24 13:24	0.0	22.70	11/26/24 14:28	0	*	Waianae	System Constraints

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

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

* Data has not been provided by IPP.

9/6 Aloha Solar II curtailment was Facility Initiated and not System Constraints.

Hawai'i Electric Light Company Curtailment Report November 2024

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released ¹	IPP	Reason for Curtailment
11/03/24 10:02	1.1 MW	11/03/24 10:28	0.0 MW	TGUHI	Oversupply
11/15/24 15:54	15.0 MW	11/16/24 07:16	14.6 MW	Pakini Nui	Facility Requested
11/16/24 14:10	13.0 MW	11/16/24 16:07	12.8 MW	Pakini Nui	Facility Requested
11/17/24 09:18	13.3 MW	11/17/24 15:59	13.3 MW	Pakini Nui	Facility Requested
11/19/24 10:12	1.1 MW	11/19/24 16:07	0.0 MW	TGUHI	Oversupply
11/19/24 10:13	0.2 MW	11/19/24 16:08	0.0 MW	West Hawaii Civic Center	Oversupply
11/19/24 10:37	17.9 MW	11/19/24 16:04	15.8 MW	Pakini Nui	Oversupply
11/19/24 13:33	9.0 MW	11/19/24 15:42	5.4 MW	Hawi Renewable Dev	Oversupply

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



Lanai Curtailment Report

November 2024

Start Date and Time	Duration (h:mm)	IPP Curtailed	Estimated MWh Curtailed	Peak MW Curtailed	Reasons for Curtailment
No curtailment for November 2024					
Notes:					
On June 27, 2012, Maui Electric notified Lanai Sustainability Research (LSR) that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, Maui Electric would conditionally allow LSR to operate at the allowed capacity of 1.2 MW while the Maui Electric-Lanai Diesel Operator was in the control room.					
LSR possible output data is not available. Therefore, Maui Electric assumes LSR is curtailed if the LSR curtailment set point is less than 1,200 kW and LSR's output is within 70 kW of the curtailment set point.					
The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECO companies' metrics.					
Facility Requested curtailment includes but is not limited to conditions that are attributed to IPPs such as communication problems and curtailment control testing.					



Maui Curtailment Report

**November
2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/1/2024 0:02	5:31	KWPPI	57.00754	19.59585	Oversupply
11/1/2024 5:35	0:08	KWPPI	0.11730	19.59385	Oversupply
11/1/2024 5:44	0:02	KWPPI	0.00386	19.59086	Oversupply
11/1/2024 5:47	0:01	KWPPI	0.00030	19.58387	Oversupply
11/1/2024 6:58	0:10	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 6:59	0:04	KWPPI	0.04221	19.59086	Oversupply
11/1/2024 6:59	0:10	17-2	0.00533	0.03200	Oversupply
11/1/2024 7:04	0:01	KWPPI	0.01733	19.59286	Oversupply
11/1/2024 7:06	0:03	KWPPI	0.01534	19.58387	Oversupply
11/1/2024 7:42	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 7:44	0:12	KWPPI	0.20820	19.59685	Oversupply
11/1/2024 7:44	7:13	17-2	4.92230	0.75000	Oversupply
11/1/2024 7:45	0:10	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 7:56	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 7:57	0:07	KWPPI	0.09406	19.59485	Oversupply
11/1/2024 8:02	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 8:05	0:02	KWPPI	0.00324	19.58687	Oversupply
11/1/2024 8:09	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 8:11	0:02	KWPPI	0.01306	19.58387	Oversupply
11/1/2024 8:16	6:29	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 8:16	6:31	KWPPI	87.12272	19.58787	Oversupply
11/1/2024 10:18	0:19	AWE	0.39793	17.60000	Oversupply
11/1/2024 10:39	0:01	AWE	0.00307	17.40000	Oversupply
11/1/2024 10:41	0:02	AWE	0.03035	17.20000	Oversupply
11/1/2024 10:44	0:05	AWE	0.09989	17.20000	Oversupply
11/1/2024 10:52	0:22	AWE	1.49137	17.00000	Oversupply
11/1/2024 11:19	0:10	AWE	0.39707	17.00000	Oversupply
11/1/2024 11:31	0:03	AWE	0.02609	16.30000	Oversupply
11/1/2024 11:41	0:02	AWE	0.02543	16.90000	Oversupply
11/1/2024 11:51	0:16	AWE	0.51651	16.90000	Oversupply
11/1/2024 12:08	0:01	AWE	0.00428	13.90000	Oversupply
11/1/2024 12:10	0:03	AWE	0.08095	15.70000	Oversupply
11/1/2024 12:16	1:08	AWE	3.80486	17.70000	Oversupply
11/1/2024 13:25	0:03	AWE	0.06265	17.00000	Oversupply
11/1/2024 13:36	0:01	AWE	0.00501	14.20000	Oversupply
11/1/2024 13:39	0:02	AWE	0.02710	16.00000	Oversupply
11/1/2024 14:46	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 14:48	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 14:48	0:02	KWPPI	0.00371	17.59894	Oversupply
11/1/2024 14:50	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 14:53	0:03	KWPPI	0.02595	16.94428	Oversupply
11/1/2024 15:01	0:04	17-2	0.03232	0.68600	Oversupply
11/1/2024 15:09	0:04	17-2	0.04352	0.66100	Oversupply
11/1/2024 15:11	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 15:11	0:01	KWPPI	0.00548	17.88236	Oversupply
11/1/2024 15:14	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 15:14	0:05	17-2	0.04480	0.63900	Oversupply
11/1/2024 15:15	0:01	KWPPI	0.01566	19.06893	Oversupply
11/1/2024 15:28	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 15:28	0:12	17-2	0.11428	0.59700	Oversupply
11/1/2024 15:29	0:03	KWPPI	0.04052	19.55294	Oversupply
11/1/2024 15:32	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/1/2024 15:33	0:02	KWPPI	0.02390	19.22561	Oversupply
11/1/2024 20:14	0:02	KWPPI	0.05288	19.07392	Oversupply
11/1/2024 20:49	0:01	KWPPI	0.00554	15.43438	Oversupply
11/1/2024 20:59	0:02	KWPPI	0.04115	17.72269	Oversupply
11/1/2024 23:20	0:11	KWPPI	0.43286	17.85641	Oversupply
11/1/2024 23:47	0:03	KWPPI	0.02797	14.79668	Oversupply
11/1/2024 23:54	0:50	KWPPI	3.85517	16.05411	Oversupply
11/2/2024 2:15	0:53	KWPPI	5.03600	12.46247	Oversupply
11/2/2024 2:30	0:05	AWE	0.09539	19.60000	Oversupply
11/2/2024 2:36	0:03	AWE	0.03525	18.80000	Oversupply
11/2/2024 3:14	0:01	KWPPI	0.01604	10.34580	Oversupply
11/2/2024 10:20	2:16	17-2	1.66076	0.75000	Oversupply
11/2/2024 10:24	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 10:24	0:02	AWE	0.00502	20.20000	Oversupply
11/2/2024 10:29	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 10:30	0:01	AWE	0.00562	20.20000	Oversupply
11/2/2024 10:32	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 10:33	0:06	AWE	0.06807	20.50000	Oversupply
11/2/2024 10:46	0:07	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 10:47	0:07	AWE	0.08923	20.40000	Oversupply
11/2/2024 10:59	0:01	AWE	0.01237	19.70000	Oversupply
11/2/2024 11:00	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 11:03	0:06	BS 250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

November
2024

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/2/2024 11:04	0:03	AWE	0.06478	20.40000	Oversupply
11/2/2024 11:08	0:01	AWE	0.01036	20.10000	Oversupply
11/2/2024 11:10	0:13	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 11:10	0:11	AWE	0.17405	20.30000	Oversupply
11/2/2024 11:37	0:01	AWE	0.00279	19.80000	Oversupply
11/2/2024 11:44	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 11:44	0:07	AWE	0.05323	19.70000	Oversupply
11/2/2024 11:57	0:01	AWE	0.00274	19.90000	Oversupply
11/2/2024 11:58	0:19	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 11:59	0:18	AWE	0.53654	20.20000	Oversupply
11/2/2024 12:10	0:07	KWPPI	0.07917	1.18058	Oversupply
11/2/2024 12:18	0:16	BS 250	Data is not available	Data is not available	Oversupply
11/2/2024 12:18	0:01	AWE	0.00161	20.00000	Oversupply
11/2/2024 12:18	0:17	KWPPI	0.27973	2.05479	Oversupply
11/2/2024 12:21	0:13	AWE	0.27422	20.40000	Oversupply
11/2/2024 12:51	0:02	17-2	0.02500	0.75000	Oversupply
11/2/2024 13:10	0:11	17-2	0.10948	0.75000	Oversupply
11/2/2024 13:35	0:01	17-2	0.01200	0.72000	Oversupply
11/2/2024 21:23	0:03	KWPPI	0.05318	10.24102	Oversupply
11/3/2024 10:34	0:02	17-2	0.01262	0.75000	Oversupply
11/3/2024 10:38	0:48	17-2	0.54752	0.75000	Oversupply
11/3/2024 10:48	0:36	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 10:48	0:37	KWPPI	1.23454	5.00275	Oversupply
11/3/2024 11:00	0:01	AWE	0.00163	19.30000	Oversupply
11/3/2024 11:03	0:02	AWE	0.00681	19.90000	Oversupply
11/3/2024 11:07	0:01	AWE	0.00078	19.60000	Oversupply
11/3/2024 11:20	0:03	AWE	0.03569	18.90000	Oversupply
11/3/2024 11:27	0:05	17-2	0.02905	0.75000	Oversupply
11/3/2024 11:34	0:13	17-2	0.11190	0.75000	Oversupply
11/3/2024 11:55	0:01	17-2	0.01250	0.75000	Oversupply
11/3/2024 11:57	1:10	17-2	0.61308	0.75000	Oversupply
11/3/2024 12:08	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:10	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:10	0:02	KWPPI	0.03616	3.79822	Oversupply
11/3/2024 12:13	0:11	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:15	0:09	KWPPI	0.23969	3.37508	Oversupply
11/3/2024 12:25	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:25	0:01	KWPPI	0.01164	1.36021	Oversupply
11/3/2024 12:31	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:32	0:01	KWPPI	0.00916	2.24241	Oversupply
11/3/2024 12:34	0:02	KWPPI	0.03842	2.44599	Oversupply
11/3/2024 12:39	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:40	0:03	KWPPI	0.03773	1.57877	Oversupply
11/3/2024 12:53	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:53	0:01	AWE	0.00029	18.80000	Oversupply
11/3/2024 12:53	0:01	KWPPI	0.01853	1.11172	Oversupply
11/3/2024 12:55	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:56	0:02	KWPPI	0.00793	2.89806	Oversupply
11/3/2024 12:57	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:59	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 12:59	0:04	KWPPI	0.07938	2.81324	Oversupply
11/3/2024 13:04	0:01	KWPPI	0.00145	2.93698	Oversupply
11/3/2024 18:41	0:11	BS 250	Data is not available	Data is not available	Oversupply
11/3/2024 18:41	0:10	KWPPI	0.20982	16.40938	Oversupply
11/3/2024 18:52	0:06	KWPPI	0.23478	15.99024	Oversupply
11/3/2024 19:27	0:12	KWPPI	0.31104	16.16288	Oversupply
11/3/2024 21:25	1:16	KWPPI	8.74873	16.51716	Oversupply
11/3/2024 22:50	0:01	KWPPI	0.01597	14.19591	Oversupply
11/3/2024 23:01	0:05	KWPPI	0.03474	16.24372	Oversupply
11/3/2024 23:07	0:42	KWPPI	2.14295	15.73576	Oversupply
11/3/2024 23:50	0:09	KWPPI	0.23900	16.14692	Oversupply
11/4/2024 0:00	6:02	KWPPI	60.93048	16.50518	Oversupply
11/4/2024 2:14	0:04	AWE	0.01058	20.30000	Oversupply
11/4/2024 2:20	0:05	AWE	0.04688	20.70000	Oversupply
11/4/2024 2:26	0:04	AWE	0.01788	20.60000	Oversupply
11/4/2024 2:32	0:05	AWE	0.05071	20.60000	Oversupply
11/4/2024 4:30	0:01	AWE	0.00170	20.00000	Oversupply
11/4/2024 4:37	0:01	AWE	0.00407	20.00000	Oversupply
11/4/2024 4:43	0:01	AWE	0.00810	19.80000	Oversupply
11/4/2024 4:45	0:01	AWE	0.00572	19.50000	Oversupply
11/4/2024 5:02	0:01	AWE	0.00238	19.50000	Oversupply
11/4/2024 6:03	0:02	KWPPI	0.00945	16.42335	Oversupply
11/4/2024 8:43	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/4/2024 9:48	0:24	BS 250	Data is not available	Data is not available	Oversupply
11/4/2024 9:49	0:23	KWPPI	1.65106	17.44625	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/4/2024 10:20	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/4/2024 10:22	1:32	BS 250	Data is not available	Data is not available	Oversupply
11/4/2024 10:22	0:13	KWPPI	1.01803	17.77358	Oversupply
11/4/2024 10:37	1:06	KWPPI	7.90629	17.41232	Oversupply
11/4/2024 10:59	0:01	AWE	0.01403	17.40000	Oversupply
11/4/2024 11:44	0:01	KWPPI	0.01746	9.86179	Oversupply
11/4/2024 11:46	0:09	KWPPI	0.18196	10.06637	Oversupply
11/4/2024 15:11	0:21	BS 250	Data is not available	Data is not available	Oversupply
11/4/2024 15:11	0:09	AWE	0.16171	20.70000	Oversupply
11/4/2024 15:11	0:21	KWPPI	0.23909	1.35223	Oversupply
11/4/2024 15:21	0:09	AWE	0.11311	20.60000	Oversupply
11/5/2024 9:56	0:01	17-2	0.00618	0.75000	Oversupply
11/5/2024 10:43	0:12	17-2	0.02808	0.22500	Oversupply
11/5/2024 10:47	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/5/2024 10:47	0:03	KWPPI	0.02554	0.89916	Oversupply
11/5/2024 10:48	0:02	AWE	0.03668	19.90000	Oversupply
11/5/2024 10:57	0:02	17-2	0.00387	0.17800	Oversupply
11/5/2024 11:03	0:01	17-2	0.00162	0.09700	Oversupply
11/5/2024 12:25	0:01	KWPPI	0.00096	0.07784	Oversupply
11/5/2024 13:21	0:12	17-2	0.15000	0.75000	Oversupply
11/5/2024 13:22	0:10	BS 250	Data is not available	Data is not available	Oversupply
11/5/2024 13:22	0:07	AWE	0.33379	13.70000	Oversupply
11/5/2024 13:22	0:10	KWPPI	0.10485	1.29535	Oversupply
11/5/2024 13:51	0:01	17-2	0.00635	0.75000	Oversupply
11/5/2024 14:02	0:04	17-2	0.03935	0.75000	Oversupply
11/5/2024 14:07	0:05	17-2	0.06250	0.75000	Oversupply
11/5/2024 14:09	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/5/2024 20:15	0:10	KWPPI	0.49512	16.92832	Oversupply
11/5/2024 20:27	0:53	KWPPI	5.90802	17.96719	Oversupply
11/5/2024 21:27	0:01	KWPPI	0.00457	18.03605	Oversupply
11/5/2024 21:29	0:01	KWPPI	0.00920	18.02008	Oversupply
11/6/2024 0:07	0:08	KWPPI	0.10438	18.06000	Oversupply
11/6/2024 9:37	0:03	17-2	0.02273	0.63500	Oversupply
11/6/2024 9:58	0:12	17-2	0.05812	0.75000	Oversupply
11/6/2024 10:06	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 10:06	0:02	KWPPI	0.00303	16.54011	Oversupply
11/6/2024 10:12	0:01	17-2	0.01250	0.75000	Oversupply
11/6/2024 10:25	4:09	17-2	2.28212	0.75000	Oversupply
11/6/2024 10:29	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 10:29	3:23	KWPPI	32.28557	18.07097	Oversupply
11/6/2024 10:31	3:22	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 14:04	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 14:05	0:15	KWPPI	0.38483	16.53412	Oversupply
11/6/2024 14:07	0:13	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 14:24	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 14:25	0:02	KWPPI	0.00464	16.53213	Oversupply
11/6/2024 14:30	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/6/2024 14:30	0:03	KWPPI	0.03707	16.53312	Oversupply
11/6/2024 14:36	0:01	17-2	0.00112	0.17300	Oversupply
11/6/2024 21:26	0:05	KWPPI	0.10142	18.06499	Oversupply
11/6/2024 21:32	0:37	KWPPI	2.14770	18.06798	Oversupply
11/7/2024 0:39	0:01	KWPPI	0.00337	18.06299	Oversupply
11/7/2024 0:43	0:01	KWPPI	0.00149	18.05700	Oversupply
11/7/2024 0:47	0:10	KWPPI	0.11467	18.06100	Oversupply
11/7/2024 1:00	0:01	KWPPI	0.00020	16.51716	Oversupply
11/7/2024 1:02	0:22	KWPPI	0.61612	18.05002	Oversupply
11/7/2024 1:28	0:11	KWPPI	0.24552	18.04503	Oversupply
11/7/2024 1:40	0:02	KWPPI	0.01006	16.52514	Oversupply
11/7/2024 1:45	2:21	KWPPI	7.05236	18.04503	Oversupply
11/7/2024 4:08	0:01	KWPPI	0.00194	16.50718	Oversupply
11/7/2024 4:33	0:01	KWPPI	0.00215	16.50319	Oversupply
11/7/2024 4:49	0:07	KWPPI	0.06021	16.41038	Oversupply
11/7/2024 4:57	0:05	KWPPI	0.05710	16.37345	Oversupply
11/7/2024 5:09	0:04	KWPPI	0.03564	16.49620	Oversupply
11/7/2024 9:13	0:19	17-2	0.08153	0.62400	Oversupply
11/7/2024 9:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/7/2024 9:17	0:02	KWPPI	0.01741	16.52115	Oversupply
11/7/2024 9:23	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/7/2024 9:23	0:01	KWPPI	0.00368	16.52215	Oversupply
11/7/2024 9:33	5:43	17-2	3.23969	0.75000	Oversupply
11/7/2024 9:34	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/7/2024 9:34	0:06	KWPPI	0.13720	16.52814	Oversupply
11/7/2024 9:40	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/7/2024 9:44	5:31	BS 250	Data is not available	Data is not available	Oversupply
11/7/2024 9:44	5:31	KWPPI	82.03845	16.52814	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/7/2024 10:09	0:05	AWE	0.13008	15.00000	Oversupply
11/7/2024 10:20	0:06	AWE	0.27467	16.60000	Oversupply
11/7/2024 10:27	4:22	AWE	41.12007	20.20000	Oversupply
11/7/2024 11:40	0:01	5A	Data is not available	Data is not available	Oversupply
11/7/2024 11:45	0:01	KWP	0.00814	17.05075	Oversupply
11/7/2024 11:47	0:04	KWP	0.02235	16.77421	Oversupply
11/7/2024 11:48	0:01	5A	Data is not available	Data is not available	Oversupply
11/7/2024 11:50	0:17	5A	Data is not available	Data is not available	Oversupply
11/7/2024 11:52	0:11	KWP	0.08424	16.96276	Oversupply
11/7/2024 12:04	0:03	KWP	0.03872	16.90811	Oversupply
11/7/2024 12:08	0:13	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:08	0:02	KWP	0.01233	16.73642	Oversupply
11/7/2024 12:11	0:11	KWP	0.14489	16.94769	Oversupply
11/7/2024 12:22	0:01	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:24	0:02	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:24	0:03	KWP	0.01888	17.05971	Oversupply
11/7/2024 12:31	0:05	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:31	0:05	KWP	0.04222	16.81718	Oversupply
11/7/2024 12:39	0:01	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:41	0:02	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:42	0:01	KWP	0.00196	17.01867	Oversupply
11/7/2024 12:45	0:01	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:46	0:01	KWP	0.00310	17.09915	Oversupply
11/7/2024 12:49	0:02	5A	Data is not available	Data is not available	Oversupply
11/7/2024 12:50	0:01	KWP	0.00076	17.00605	Oversupply
11/7/2024 12:53	0:01	KWP	0.01030	17.05603	Oversupply
11/7/2024 15:31	0:09	17-2	0.07650	0.58600	Oversupply
11/7/2024 22:04	0:01	KWP	0.00585	16.52614	Oversupply
11/7/2024 22:06	0:07	KWP	0.09612	16.53213	Oversupply
11/8/2024 0:45	2:36	KWP	10.03479	18.06299	Oversupply
11/8/2024 3:22	0:07	KWP	0.07647	14.98929	Oversupply
11/8/2024 7:50	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/8/2024 7:50	0:05	KWP	0.12095	15.00326	Oversupply
11/8/2024 7:50	0:05	17-2	0.00595	0.09600	Oversupply
11/8/2024 8:17	7:45	BS 250	Data is not available	Data is not available	Oversupply
11/8/2024 8:17	7:46	17-2	4.47561	0.75000	Oversupply
11/8/2024 8:18	7:44	KWP	83.50453	18.06798	Oversupply
11/8/2024 10:19	0:02	AWE	0.01235	19.60000	Oversupply
11/8/2024 10:22	0:03	AWE	0.03331	19.90000	Oversupply
11/8/2024 10:26	0:06	AWE	0.08877	20.10000	Oversupply
11/8/2024 10:34	0:06	AWE	0.06342	20.20000	Oversupply
11/8/2024 10:43	0:23	AWE	1.16291	20.20000	Oversupply
11/8/2024 11:11	0:28	AWE	1.08912	20.30000	Oversupply
11/8/2024 12:03	0:05	AWE	0.05153	20.00000	Oversupply
11/8/2024 13:09	0:02	AWE	0.00777	20.00000	Oversupply
11/8/2024 13:13	0:09	AWE	0.27682	20.40000	Oversupply
11/8/2024 13:25	0:08	AWE	0.25278	20.50000	Oversupply
11/8/2024 13:40	0:13	AWE	0.56088	20.60000	Oversupply
11/8/2024 13:55	0:01	AWE	0.00531	19.40000	Oversupply
11/8/2024 13:57	0:05	AWE	0.05529	20.10000	Oversupply
11/8/2024 23:45	0:06	17-2	0.06532	0.75000	Oversupply
11/8/2024 23:47	0:04	KWP	0.06325	16.53512	Oversupply
11/8/2024 23:59	0:05	KWP	0.04637	16.53013	Oversupply
11/8/2024 23:59	0:06	17-2	0.06755	0.75000	Oversupply
11/9/2024 0:22	0:01	17-2	0.00819	0.75000	Oversupply
11/9/2024 1:09	0:05	17-2	0.03781	0.75000	Oversupply
11/9/2024 1:10	0:01	KWP	0.00236	16.46427	Oversupply
11/9/2024 1:28	0:08	17-2	0.07983	0.75000	Oversupply
11/9/2024 1:29	0:05	KWP	0.11398	16.52614	Oversupply
11/9/2024 2:10	0:04	17-2	0.01121	0.75000	Oversupply
11/9/2024 2:20	0:01	17-2	0.00187	0.75000	Oversupply
11/9/2024 2:22	0:26	17-2	0.30332	0.75000	Oversupply
11/9/2024 2:23	0:23	KWP	1.46408	16.53213	Oversupply
11/9/2024 2:50	0:38	17-2	0.45275	0.75000	Oversupply
11/9/2024 2:51	0:01	KWP	0.00544	16.53013	Oversupply
11/9/2024 2:53	0:01	KWP	0.00230	16.52814	Oversupply
11/9/2024 2:55	0:21	KWP	0.60442	16.52913	Oversupply
11/9/2024 3:17	0:10	KWP	0.12322	16.52514	Oversupply
11/9/2024 3:29	0:11	17-2	0.08233	0.75000	Oversupply
11/9/2024 3:30	0:02	KWP	0.01945	16.51915	Oversupply
11/9/2024 3:37	0:01	KWP	0.00142	16.52215	Oversupply
11/9/2024 3:41	0:40	KWP	2.67804	16.52614	Oversupply
11/9/2024 3:41	0:43	17-2	0.52441	0.75000	Oversupply
11/9/2024 4:22	0:01	KWP	0.00317	16.52015	Oversupply
11/9/2024 4:32	0:02	17-2	0.01579	0.75000	Oversupply



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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/9/2024 7:51	0:10	17-2	0.08243	0.75000	Oversupply
11/9/2024 7:55	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 7:55	0:02	KWPPI	0.00985	18.05800	Oversupply
11/9/2024 7:57	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 8:04	0:03	17-2	0.01694	0.75000	Oversupply
11/9/2024 8:08	6:50	17-2	5.12471	0.75000	Oversupply
11/9/2024 8:09	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 8:11	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 8:15	0:01	KWPPI	0.00014	18.06299	Oversupply
11/9/2024 8:17	6:33	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 8:18	0:01	KWPPI	0.00941	16.52414	Oversupply
11/9/2024 8:20	6:30	KWPPI	82.62432	18.04104	Oversupply
11/9/2024 9:34	0:01	AWE	0.00038	17.40000	Oversupply
11/9/2024 9:41	0:02	AWE	0.02422	17.30000	Oversupply
11/9/2024 9:46	0:01	AWE	0.00255	17.10000	Oversupply
11/9/2024 9:52	0:01	AWE	0.00404	17.30000	Oversupply
11/9/2024 9:54	0:01	AWE	0.00770	17.50000	Oversupply
11/9/2024 9:56	0:05	AWE	0.03609	17.30000	Oversupply
11/9/2024 10:02	1:48	AWE	5.99164	17.60000	Oversupply
11/9/2024 11:52	1:31	AWE	7.62670	14.60000	Oversupply
11/9/2024 13:24	0:01	AWE	0.00449	9.50000	Oversupply
11/9/2024 13:26	0:35	AWE	1.92289	16.90000	Oversupply
11/9/2024 14:02	0:05	AWE	0.08932	16.70000	Oversupply
11/9/2024 14:08	0:01	AWE	0.00844	15.60000	Oversupply
11/9/2024 14:52	0:04	BS 250	Data is not available	Data is not available	Oversupply
11/9/2024 14:52	0:02	KWPPI	0.05927	15.67189	Oversupply
11/9/2024 15:00	0:01	17-2	0.00334	0.75000	Oversupply
11/9/2024 15:03	0:01	17-2	0.00036	0.75000	Oversupply
11/10/2024 0:45	0:13	17-2	0.14689	0.75000	Oversupply
11/10/2024 0:49	0:09	KWPPI	0.20124	16.52913	Oversupply
11/10/2024 0:59	0:16	17-2	0.17381	0.75000	Oversupply
11/10/2024 1:00	0:10	KWPPI	0.23787	16.52714	Oversupply
11/10/2024 1:11	0:01	KWPPI	0.00086	16.52614	Oversupply
11/10/2024 1:13	0:02	KWPPI	0.00637	16.51915	Oversupply
11/10/2024 1:18	1:45	KWPPI	6.40776	16.53013	Oversupply
11/10/2024 1:18	1:45	17-2	1.31250	0.75000	Oversupply
11/10/2024 3:22	0:05	17-2	0.04093	0.75000	Oversupply
11/10/2024 3:25	0:01	KWPPI	0.00153	16.52315	Oversupply
11/10/2024 3:31	0:10	17-2	0.11122	0.75000	Oversupply
11/10/2024 3:32	0:08	KWPPI	0.23960	16.52913	Oversupply
11/10/2024 4:43	0:30	17-2	0.36005	0.75000	Oversupply
11/10/2024 4:44	0:28	KWPPI	0.87098	16.53712	Oversupply
11/10/2024 8:35	6:20	17-2	2.27303	0.75000	Oversupply
11/10/2024 8:38	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/10/2024 8:38	0:02	KWPPI	0.00339	16.53312	Oversupply
11/10/2024 8:41	4:55	BS 250	Data is not available	Data is not available	Oversupply
11/10/2024 8:41	4:55	KWPPI	57.48562	18.02108	Oversupply
11/10/2024 10:21	0:01	AWE	0.00306	11.50000	Oversupply
11/10/2024 10:23	0:01	AWE	0.00091	11.70000	Oversupply
11/10/2024 10:40	0:06	AWE	0.10833	11.70000	Oversupply
11/10/2024 10:47	0:20	AWE	0.74466	11.80000	Oversupply
11/10/2024 11:09	2:18	AWE	10.77076	11.70000	Oversupply
11/10/2024 13:32	0:01	AWE	0.00781	11.70000	Oversupply
11/10/2024 13:34	0:01	AWE	0.00333	11.60000	Oversupply
11/10/2024 13:37	1:11	BS 250	Data is not available	Data is not available	Oversupply
11/10/2024 13:37	1:12	KWPPI	6.77062	17.98415	Oversupply
11/10/2024 14:51	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/10/2024 14:57	0:01	17-2	0.00608	0.36500	Oversupply
11/10/2024 14:59	0:01	17-2	0.00003	0.36500	Oversupply
11/10/2024 15:00	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/10/2024 15:01	0:02	17-2	0.01027	0.36500	Oversupply
11/11/2024 2:19	0:02	KWPPI	0.00534	16.35948	Oversupply
11/11/2024 2:23	0:01	KWPPI	0.00035	16.27964	Oversupply
11/11/2024 2:26	0:01	KWPPI	0.00496	16.24771	Oversupply
11/11/2024 2:29	0:01	KWPPI	0.00421	16.26268	Oversupply
11/11/2024 2:33	0:03	KWPPI	0.00671	16.33453	Oversupply
11/11/2024 2:44	0:02	KWPPI	0.00668	16.29362	Oversupply
11/11/2024 2:53	0:02	KWPPI	0.00705	16.18085	Oversupply
11/11/2024 5:32	0:01	KWPPI	0.00307	5.36601	Oversupply
11/11/2024 5:40	0:01	KWPPI	0.02299	6.11647	Oversupply
11/11/2024 5:42	0:04	KWPPI	0.05327	7.12141	Oversupply
11/11/2024 5:47	0:01	KWPPI	0.00797	6.65736	Oversupply
11/11/2024 5:49	0:03	KWPPI	0.01992	9.39675	Oversupply
11/11/2024 9:51	0:01	KWPPI	0.00118	0.07085	Oversupply
11/11/2024 9:54	0:16	BS 250	Data is not available	Data is not available	Oversupply



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**November
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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/11/2024 9:55	0:06	AWE	0.24404	20.60000	Oversupply
11/11/2024 10:00	0:11	KWP	0.41225	4.06667	Oversupply
11/11/2024 10:04	0:05	AWE	0.10603	20.50000	Oversupply
11/11/2024 10:20	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 10:20	0:02	KWP	0.02650	5.04766	Oversupply
11/11/2024 10:22	0:04	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 10:23	0:43	KWP	2.43483	9.79992	Oversupply
11/11/2024 10:27	0:38	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 11:11	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 11:12	0:02	KWP	0.04191	10.38871	Oversupply
11/11/2024 11:14	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 11:16	0:07	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 11:16	0:04	KWP	0.04170	10.34281	Oversupply
11/11/2024 11:21	0:01	KWP	0.01256	10.61026	Oversupply
11/11/2024 11:29	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 14:40	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/11/2024 14:41	0:01	KWP	0.00395	14.25978	Oversupply
11/12/2024 1:18	0:02	KWP	0.04016	11.24197	Oversupply
11/12/2024 1:35	0:11	KWP	0.50744	13.12810	Oversupply
11/12/2024 2:46	0:01	KWP	0.00043	0.02595	Oversupply
11/12/2024 3:16	0:02	KWP	0.01014	8.18723	Oversupply
11/12/2024 3:21	0:01	KWP	0.00978	6.34600	Oversupply
11/12/2024 3:23	0:03	KWP	0.00706	6.83599	Oversupply
11/12/2024 3:27	0:23	KWP	1.84734	13.79673	Oversupply
11/12/2024 3:51	0:05	KWP	0.10657	11.59524	Oversupply
11/12/2024 3:57	0:02	KWP	0.00464	10.09232	Oversupply
11/12/2024 4:32	0:13	KWP	0.79985	11.18808	Oversupply
11/12/2024 4:47	0:09	KWP	0.19926	10.98649	Oversupply
11/12/2024 5:01	0:02	KWP	0.04517	10.13823	Oversupply
11/12/2024 5:04	0:01	KWP	0.00553	9.74603	Oversupply
11/12/2024 5:08	0:16	KWP	0.75309	13.72987	Oversupply
11/12/2024 5:54	9:01	KWP	162.95630	19.50000	System Constraints
11/12/2024 8:40	0:01	AWE	0.00392	20.40000	Oversupply
11/12/2024 8:44	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/12/2024 9:28	0:58	BS 250	Data is not available	Data is not available	Oversupply
11/12/2024 9:29	0:58	AWE	3.56239	17.90000	Oversupply
11/12/2024 11:36	3:31	BS 250	Data is not available	Data is not available	Oversupply
11/12/2024 11:37	3:30	AWE	34.79900	20.80000	Oversupply
11/12/2024 13:02	0:01	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:03	0:03	KWP	0.02150	13.52334	Oversupply
11/12/2024 13:04	0:02	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:07	0:03	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:07	0:05	KWP	0.02796	13.80828	Oversupply
11/12/2024 13:11	0:03	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:13	0:07	KWP	0.06224	14.91843	Oversupply
11/12/2024 13:15	0:07	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:21	0:01	KWP	0.00748	12.57676	Oversupply
11/12/2024 13:23	0:04	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:24	0:03	KWP	0.03113	13.33201	Oversupply
11/12/2024 13:28	0:04	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:28	0:01	KWP	0.00740	14.37388	Oversupply
11/12/2024 13:30	0:06	KWP	0.07553	14.44639	Oversupply
11/12/2024 13:33	0:06	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:37	0:02	KWP	0.00670	13.39913	Oversupply
11/12/2024 13:40	0:02	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:41	0:10	KWP	0.11028	15.56108	Oversupply
11/12/2024 13:43	0:07	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:51	0:06	5A	Data is not available	Data is not available	Oversupply
11/12/2024 13:52	0:05	KWP	0.04070	16.78733	Oversupply
11/12/2024 23:38	0:44	KWP	1.97550	15.00825	Oversupply
11/13/2024 0:39	4:12	KWP	25.30913	15.01025	Oversupply
11/13/2024 4:54	0:01	KWP	0.00147	14.99528	Oversupply
11/13/2024 6:36	11:19	KWP	223.97700	19.50000	System Constraints
11/13/2024 9:18	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 9:19	0:01	AWE	0.00071	17.30000	Oversupply
11/13/2024 10:22	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 10:23	0:01	AWE	0.01038	17.50000	Oversupply
11/13/2024 10:25	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 10:26	0:02	AWE	0.01744	17.60000	Oversupply
11/13/2024 10:29	3:39	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 10:29	3:39	AWE	33.64137	20.80000	Oversupply
11/13/2024 13:26	0:01	5A	Data is not available	Data is not available	Oversupply
11/13/2024 13:26	0:03	KWP	0.00477	8.70095	Oversupply
11/13/2024 13:29	0:03	5A	Data is not available	Data is not available	Oversupply
11/13/2024 13:31	0:01	KWP	0.00826	8.88458	Oversupply



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**November
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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/13/2024 14:09	1:00	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 14:10	0:59	AWE	9.41791	20.70000	Oversupply
11/13/2024 15:28	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 15:28	0:04	AWE	0.06307	20.60000	Oversupply
11/13/2024 15:38	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 15:38	0:01	AWE	0.00303	20.30000	Oversupply
11/13/2024 15:53	0:17	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 15:54	0:16	AWE	0.84261	20.60000	Oversupply
11/13/2024 16:35	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/13/2024 16:37	0:01	AWE	0.00700	20.20000	Oversupply
11/13/2024 21:34	0:01	KWPPI	0.00096	7.36591	Oversupply
11/13/2024 23:19	0:03	KWPPI	0.03103	7.36291	Oversupply
11/13/2024 23:23	0:01	KWPPI	0.00057	7.35393	Oversupply
11/13/2024 23:44	0:06	KWPPI	0.05606	7.36291	Oversupply
11/14/2024 0:05	0:07	KWPPI	0.06606	7.36491	Oversupply
11/14/2024 0:15	0:04	KWPPI	0.07907	7.36591	Oversupply
11/14/2024 0:21	0:01	KWPPI	0.01488	7.36192	Oversupply
11/14/2024 0:26	0:33	KWPPI	2.22085	7.36691	Oversupply
11/14/2024 1:01	0:38	KWPPI	3.14197	7.36591	Oversupply
11/14/2024 1:07	0:01	AWE	0.00203	19.50000	Oversupply
11/14/2024 1:11	0:07	AWE	0.12906	20.50000	Oversupply
11/14/2024 1:19	0:02	AWE	0.01032	20.00000	Oversupply
11/14/2024 1:54	0:14	KWPPI	0.43990	7.36790	Oversupply
11/14/2024 2:14	1:53	KWPPI	5.22657	7.36890	Oversupply
11/14/2024 4:36	0:37	KWPPI	1.89547	7.36790	Oversupply
11/14/2024 8:34	0:17	BS 250	Data is not available	Data is not available	Oversupply
11/14/2024 8:35	0:15	AWE	0.50791	20.80000	Oversupply
11/14/2024 9:35	5:03	BS 250	Data is not available	Data is not available	Oversupply
11/14/2024 9:36	5:02	AWE	56.94426	21.00000	Oversupply
11/14/2024 18:36	0:01	KWPPI	0.00057	0.03393	Oversupply
11/14/2024 20:03	0:47	KWPPI	1.31529	5.85201	Oversupply
11/14/2024 20:11	0:07	AWE	0.09134	17.80000	Oversupply
11/14/2024 21:24	0:08	KWPPI	0.09589	7.37589	Oversupply
11/14/2024 21:39	0:09	KWPPI	0.10397	8.91374	Oversupply
11/14/2024 21:50	0:27	KWPPI	0.59813	8.91274	Oversupply
11/15/2024 0:56	0:01	KWPPI	0.00216	8.90276	Oversupply
11/15/2024 0:58	3:12	KWPPI	9.64702	8.91274	Oversupply
11/15/2024 4:11	0:02	KWPPI	0.00835	8.90975	Oversupply
11/15/2024 5:49	0:15	KWPPI	0.51048	8.90975	Oversupply
11/15/2024 7:34	7:15	BS 250	Data is not available	Data is not available	Oversupply
11/15/2024 7:34	7:15	KWPPI	84.96402	15.01623	Oversupply
11/15/2024 8:11	0:05	AWE	0.06184	17.70000	Oversupply
11/15/2024 8:20	0:06	AWE	0.10913	17.80000	Oversupply
11/15/2024 8:27	0:43	AWE	1.99343	18.00000	Oversupply
11/15/2024 9:30	4:10	AWE	46.94656	20.90000	Oversupply
11/15/2024 11:09	0:01	5A	Data is not available	Data is not available	Oversupply
11/15/2024 11:09	0:01	KWP	0.00102	15.60863	Oversupply
11/15/2024 11:11	0:01	KWP	0.00250	15.42569	Oversupply
11/15/2024 11:12	0:06	5A	Data is not available	Data is not available	Oversupply
11/15/2024 11:13	0:02	KWP	0.02517	16.59163	Oversupply
11/15/2024 11:16	0:02	KWP	0.02363	16.44685	Oversupply
11/15/2024 11:19	0:01	5A	Data is not available	Data is not available	Oversupply
11/15/2024 11:19	0:02	KWP	0.02418	16.75504	Oversupply
11/15/2024 11:21	0:02	5A	Data is not available	Data is not available	Oversupply
11/15/2024 11:22	0:02	KWP	0.01737	16.86364	Oversupply
11/16/2024 10:02	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/16/2024 10:54	2:42	BS 250	Data is not available	Data is not available	Oversupply
11/16/2024 10:54	0:01	KWPPI	0.00145	13.41252	Oversupply
11/16/2024 10:57	2:39	KWPPI	12.60758	16.53412	Oversupply
11/17/2024 0:59	0:01	KWPPI	0.00166	15.01124	Oversupply
11/17/2024 1:03	0:02	KWPPI	0.00573	15.00825	Oversupply
11/17/2024 2:32	0:01	KWPPI	0.01138	14.41746	Oversupply
11/17/2024 2:34	1:14	KWPPI	1.69321	15.00925	Oversupply
11/17/2024 3:49	0:01	KWPPI	0.00454	14.99627	Oversupply
11/17/2024 3:51	0:01	KWPPI	0.00363	14.99827	Oversupply
11/17/2024 3:53	0:01	KWPPI	0.00290	14.98829	Oversupply
11/17/2024 3:58	0:01	KWPPI	0.01043	15.00526	Oversupply
11/17/2024 10:32	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 10:33	0:04	KWPPI	0.01439	14.98430	Oversupply
11/17/2024 10:41	0:17	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 10:41	0:18	KWPPI	0.43926	15.00925	Oversupply
11/17/2024 11:00	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 11:01	0:05	KWPPI	0.05092	15.00426	Oversupply
11/17/2024 11:07	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 11:11	3:01	BS 250	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
11/17/2024 11:12	2:59	KWPPI	15.36506	15.01025	Oversupply
11/17/2024 14:47	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 14:49	0:12	BS 250	Data is not available	Data is not available	Oversupply
11/17/2024 14:50	0:11	KWPPI	0.16709	15.00426	Oversupply
11/17/2024 22:03	0:47	KWPPI	1.86991	15.01025	Oversupply
11/17/2024 23:07	0:04	KWPPI	0.03618	15.00426	Oversupply
11/17/2024 23:12	5:24	KWPPI	28.36806	15.00426	Oversupply
11/18/2024 3:24	0:21	AWE	0.82444	17.80000	Oversupply
11/18/2024 4:37	0:02	KWPPI	0.02636	5.58556	Oversupply
11/18/2024 10:19	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/18/2024 10:20	0:01	AWE	0.00109	17.30000	Oversupply
11/18/2024 19:30	0:01	KWPPI	0.01110	12.45847	Oversupply
11/18/2024 21:08	0:02	KWPPI	0.03902	13.25085	Oversupply
11/18/2024 22:27	0:49	KWPPI	2.51515	11.34276	Oversupply
11/18/2024 23:19	2:29	KWPPI	20.61687	13.37959	Oversupply
11/18/2024 23:48	0:03	AWE	0.01910	17.50000	Oversupply
11/18/2024 23:52	0:05	AWE	0.09509	17.30000	Oversupply
11/18/2024 23:58	0:01	AWE	0.01893	16.80000	Oversupply
11/19/2024 0:03	0:06	AWE	0.05195	15.90000	Oversupply
11/19/2024 1:16	0:01	AWE	0.00440	16.30000	Oversupply
11/19/2024 1:24	0:17	AWE	0.26265	17.60000	Oversupply
11/19/2024 2:59	0:01	AWE	0.01862	15.20000	Oversupply
11/19/2024 3:01	0:02	AWE	0.00493	14.60000	Oversupply
11/19/2024 3:01	1:54	KWPPI	13.31042	12.85766	Oversupply
11/19/2024 3:05	0:04	AWE	0.02185	14.20000	Oversupply
11/19/2024 3:30	0:02	AWE	0.01674	13.60000	Oversupply
11/19/2024 3:39	0:02	AWE	0.00641	13.40000	Oversupply
11/19/2024 4:57	0:01	KWPPI	0.00097	7.29306	Oversupply
11/19/2024 7:51	0:09	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 7:51	0:09	KWPPI	0.16385	14.23883	Oversupply
11/19/2024 8:01	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 8:04	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 8:04	0:05	KWPPI	0.08209	14.53622	Oversupply
11/19/2024 8:10	0:01	KWPPI	0.00469	12.76584	Oversupply
11/19/2024 8:45	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 8:45	0:01	KWPPI	0.02502	9.23109	Oversupply
11/19/2024 8:49	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 8:59	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 9:00	0:05	KWPPI	0.12927	12.80177	Oversupply
11/19/2024 9:06	0:09	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 9:07	0:03	KWPPI	0.07344	13.69594	Oversupply
11/19/2024 9:11	0:05	KWPPI	0.11492	11.66310	Oversupply
11/19/2024 9:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 9:17	0:01	KWPPI	0.00626	9.93265	Oversupply
11/19/2024 10:17	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 10:17	0:02	KWPPI	0.04484	7.76808	Oversupply
11/19/2024 10:21	0:39	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 10:21	0:40	KWPPI	1.58999	8.18723	Oversupply
11/19/2024 10:43	0:01	AWE	0.00436	17.10000	Oversupply
11/19/2024 10:48	0:01	AWE	0.01825	17.10000	Oversupply
11/19/2024 10:52	0:01	AWE	0.00111	17.30000	Oversupply
11/19/2024 11:01	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 11:03	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 11:03	0:01	KWPPI	0.00924	1.35522	Oversupply
11/19/2024 11:07	0:01	KWPPI	0.00656	1.51390	Oversupply
11/19/2024 11:08	3:17	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 11:09	3:15	KWPPI	23.84350	13.94243	Oversupply
11/19/2024 11:11	1:05	AWE	4.35803	17.70000	Oversupply
11/19/2024 12:17	0:01	AWE	0.00597	16.90000	Oversupply
11/19/2024 12:20	0:57	AWE	8.03901	17.60000	Oversupply
11/19/2024 13:45	0:04	AWE	0.08632	17.50000	Oversupply
11/19/2024 14:26	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 14:27	0:05	KWPPI	0.09190	11.52040	Oversupply
11/19/2024 14:35	0:01	KWPPI	0.00513	14.10809	Oversupply
11/19/2024 17:03	0:14	KWPPI	0.65595	17.86839	Oversupply
11/19/2024 17:04	0:13	BS 250	Data is not available	Data is not available	Oversupply
11/19/2024 22:03	0:04	KWPPI	0.08228	18.06798	Oversupply
11/19/2024 22:08	0:07	KWPPI	0.17016	18.05102	Oversupply
11/19/2024 22:41	0:02	KWPPI	0.01235	16.53013	Oversupply
11/19/2024 22:44	0:01	KWPPI	0.00217	17.77059	Oversupply
11/20/2024 0:03	0:02	KWPPI	0.00530	16.52514	Oversupply
11/20/2024 0:42	0:01	KWPPI	0.00380	15.87747	Oversupply
11/20/2024 0:44	0:01	KWPPI	0.00659	15.85252	Oversupply
11/20/2024 0:46	0:01	KWPPI	0.00040	16.07606	Oversupply
11/20/2024 0:48	0:01	KWPPI	0.00172	16.12097	Oversupply



Maui Curtailment Report

**November
2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/20/2024 0:50	0:04	KWP/II	0.06153	16.44331	Oversupply
11/20/2024 0:55	0:01	KWP/II	0.01008	16.12396	Oversupply
11/20/2024 1:02	0:03	KWP/II	0.03839	17.46422	Oversupply
11/20/2024 1:07	0:01	KWP/II	0.00377	15.80562	Oversupply
11/20/2024 1:11	0:57	KWP/II	2.58215	17.44925	Oversupply
11/20/2024 2:11	1:20	KWP/II	5.24190	17.01314	Oversupply
11/20/2024 3:49	0:01	KWP/II	0.00664	10.66615	Oversupply
11/20/2024 3:51	1:12	KWP/II	3.75301	16.38144	Oversupply
11/20/2024 5:05	0:03	KWP/II	0.01896	16.91933	Oversupply
11/20/2024 9:33	0:13	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 9:33	0:13	KWP/II	0.32580	15.13699	Oversupply
11/20/2024 9:50	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 9:50	0:01	KWP/II	0.01025	15.47729	Oversupply
11/20/2024 9:57	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 9:58	0:02	KWP/II	0.00285	14.38253	Oversupply
11/20/2024 10:00	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:01	0:05	KWP/II	0.13273	14.26078	Oversupply
11/20/2024 10:08	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:10	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:13	0:01	KWP/II	0.01031	13.82867	Oversupply
11/20/2024 10:15	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:15	0:03	KWP/II	0.08109	12.67303	Oversupply
11/20/2024 10:19	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:21	4:07	KWP/II	33.71110	15.50823	Oversupply
11/20/2024 10:23	4:04	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 10:39	0:03	AWE	0.02262	13.70000	Oversupply
11/20/2024 10:45	0:04	AWE	0.03114	13.90000	Oversupply
11/20/2024 10:50	0:03	AWE	0.02223	13.50000	Oversupply
11/20/2024 10:54	0:02	AWE	0.02535	13.60000	Oversupply
11/20/2024 10:58	0:09	AWE	0.15024	15.20000	Oversupply
11/20/2024 11:08	1:09	AWE	7.33963	15.70000	Oversupply
11/20/2024 11:31	0:01	5A	Data is not available	Data is not available	Oversupply
11/20/2024 11:31	0:02	KWP	0.00706	3.71845	Oversupply
11/20/2024 11:33	0:05	5A	Data is not available	Data is not available	Oversupply
11/20/2024 11:35	0:02	KWP	0.01946	3.29099	Oversupply
11/20/2024 11:39	0:01	5A	Data is not available	Data is not available	Oversupply
11/20/2024 11:39	0:06	KWP	0.03382	2.12624	Oversupply
11/20/2024 11:41	0:02	5A	Data is not available	Data is not available	Oversupply
11/20/2024 11:44	0:02	5A	Data is not available	Data is not available	Oversupply
11/20/2024 11:46	0:03	KWP	0.02329	2.56522	Oversupply
11/20/2024 11:47	0:01	5A	Data is not available	Data is not available	Oversupply
11/20/2024 12:43	0:01	AWE	0.00104	16.30000	Oversupply
11/20/2024 12:58	0:01	AWE	0.00003	15.30000	Oversupply
11/20/2024 14:29	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 14:29	0:02	KWP/II	0.02227	14.00730	Oversupply
11/20/2024 14:33	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/20/2024 19:56	0:04	KWP/II	0.09683	16.53412	Oversupply
11/20/2024 20:36	0:25	KWP/II	1.47621	18.06698	Oversupply
11/20/2024 21:02	0:07	KWP/II	0.12394	18.06100	Oversupply
11/20/2024 21:34	0:15	KWP/II	0.84727	18.05201	Oversupply
11/21/2024 1:06	0:04	KWP/II	0.03698	15.60802	Oversupply
11/21/2024 2:06	1:21	KWP/II	6.33704	15.77967	Oversupply
11/21/2024 3:30	0:03	KWP/II	0.02564	14.99428	Oversupply
11/21/2024 3:35	0:02	KWP/II	0.00772	14.30868	Oversupply
11/21/2024 7:46	8:09	KWP/II	69.91790	12.77900	System Constraints
11/21/2024 10:16	0:01	AWE	0.00708	11.90000	Oversupply
11/21/2024 10:19	0:01	AWE	0.00213	11.20000	Oversupply
11/21/2024 10:21	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 10:22	0:03	AWE	0.04605	11.10000	Oversupply
11/21/2024 10:26	0:01	AWE	0.00473	11.20000	Oversupply
11/21/2024 11:01	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 11:01	0:03	AWE	0.01994	13.30000	Oversupply
11/21/2024 11:05	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 11:08	2:51	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 11:09	2:53	AWE	20.43564	16.50000	Oversupply
11/21/2024 14:00	0:11	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 14:04	0:05	AWE	0.08940	16.10000	Oversupply
11/21/2024 14:10	0:01	AWE	0.00476	15.40000	Oversupply
11/21/2024 14:12	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/21/2024 14:12	0:05	AWE	0.03082	16.40000	Oversupply
11/21/2024 14:15	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/22/2024 9:49	0:30	BS 250	Data is not available	Data is not available	Oversupply
11/22/2024 9:51	0:53	AWE	2.08500	8.80000	Oversupply
11/22/2024 10:20	0:24	BS 250	Data is not available	Data is not available	Oversupply
11/22/2024 10:50	0:12	BS 250	Data is not available	Data is not available	Oversupply



Maui Curtailment Report

**November
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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/22/2024 10:51	0:21	AWE	1.28550	11.10000	Oversupply
11/22/2024 11:03	0:09	BS 250	Data is not available	Data is not available	Oversupply
11/23/2024 11:04	0:09	BS 250	Data is not available	Data is not available	Oversupply
11/23/2024 11:04	0:10	AWE	0.17500	3.00000	Oversupply
11/23/2024 11:04	0:10	KWPPI	0.05764	0.62472	Oversupply
11/23/2024 11:11	0:01	5A	Data is not available	Data is not available	Oversupply
11/23/2024 11:15	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/23/2024 11:15	0:01	KWPPI	0.00867	1.17060	Oversupply
11/24/2024 15:32	0:01	KWPPI	0.00120	0.07185	Oversupply
11/25/2024 9:07	5:57	KWPPI	1.87200	0.72800	System Constraints
11/26/2024 7:55	8:01	KWPPI	4.53440	3.15900	System Constraints
11/27/2024 12:11	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/27/2024 12:11	0:02	KWPPI	0.01929	13.95840	Oversupply
11/27/2024 12:16	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/27/2024 12:16	0:05	KWPPI	0.14215	13.06523	Oversupply
11/27/2024 12:22	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/27/2024 12:22	0:03	KWPPI	0.06460	12.83770	Oversupply
11/27/2024 12:25	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/27/2024 12:27	1:36	KWPPI	9.04850	15.18090	Oversupply
11/27/2024 12:28	1:34	BS 250	Data is not available	Data is not available	Oversupply
11/27/2024 14:42	0:01	AWE	0.00500	0.30000	Oversupply
11/28/2024 1:12	0:11	KWPPI	0.22721	16.35748	Oversupply
11/28/2024 1:24	0:41	KWPPI	1.29972	16.46926	Oversupply
11/28/2024 2:06	1:34	KWPPI	3.87571	16.46027	Oversupply
11/28/2024 3:41	0:01	KWPPI	0.02071	14.91744	Oversupply
11/28/2024 3:47	0:01	KWPPI	0.01437	14.38153	Oversupply
11/28/2024 3:49	0:21	KWPPI	0.49286	16.27366	Oversupply
11/28/2024 4:11	0:22	KWPPI	0.58105	16.07906	Oversupply
11/28/2024 4:35	0:02	KWPPI	0.02357	16.11099	Oversupply
11/28/2024 4:38	0:16	KWPPI	0.39633	16.33353	Oversupply
11/28/2024 4:55	0:11	KWPPI	0.29082	16.35848	Oversupply
11/28/2024 5:07	0:05	KWPPI	0.03258	16.44830	Oversupply
11/28/2024 5:14	0:03	KWPPI	0.02085	16.38742	Oversupply
11/28/2024 9:42	0:01	KWPPI	0.00722	12.60517	Oversupply
11/28/2024 9:43	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 9:45	0:04	KWPPI	0.09588	12.31477	Oversupply
11/28/2024 10:20	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 10:21	0:03	KWPPI	0.04914	12.26487	Oversupply
11/28/2024 10:25	0:05	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 10:26	0:04	KWPPI	0.11641	11.90660	Oversupply
11/28/2024 10:41	0:57	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 10:41	0:58	KWPPI	4.74156	12.03434	Oversupply
11/28/2024 11:39	0:06	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 11:40	0:06	KWPPI	0.14240	11.26592	Oversupply
11/28/2024 11:48	0:01	KWPPI	0.00287	8.99956	Oversupply
11/28/2024 12:08	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:08	0:01	KWPPI	0.02913	9.86878	Oversupply
11/28/2024 12:14	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:15	0:01	KWPPI	0.04654	10.23303	Oversupply
11/28/2024 12:17	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:17	0:01	KWPPI	0.00732	6.80805	Oversupply
11/28/2024 12:19	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:20	0:01	KWPPI	0.00118	8.70916	Oversupply
11/28/2024 12:21	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:38	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 12:39	0:03	KWPPI	0.03411	8.47464	Oversupply
11/28/2024 12:40	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 18:49	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/28/2024 18:55	0:02	KWPPI	0.00708	14.86654	Oversupply
11/28/2024 18:59	0:11	KWPPI	0.44332	14.96234	Oversupply
11/28/2024 22:49	0:08	KWPPI	0.30391	13.08719	Oversupply
11/28/2024 22:58	0:40	KWPPI	2.49988	13.26283	Oversupply
11/28/2024 23:55	0:03	KWPPI	0.05253	12.01039	Oversupply
11/28/2024 23:59	0:05	KWPPI	0.05503	12.20200	Oversupply
11/29/2024 0:12	0:07	KWPPI	0.26749	11.22999	Oversupply
11/29/2024 2:10	0:05	KWPPI	0.10546	4.13852	Oversupply
11/29/2024 8:57	0:12	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 8:57	0:12	KWPPI	0.50484	11.59624	Oversupply
11/29/2024 9:39	0:21	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 9:40	0:19	KWPPI	1.11489	12.85466	Oversupply
11/29/2024 10:34	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 10:36	1:43	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 10:36	1:44	KWPPI	8.56157	9.28298	Oversupply
11/29/2024 10:56	0:01	AWE	0.00271	17.00000	Oversupply
11/29/2024 11:05	0:18	AWE	1.26650	16.80000	Oversupply



Maui Curtailment Report

November
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Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
11/29/2024 11:25	0:25	AWE	2.00928	16.40000	Oversupply
11/29/2024 11:53	0:10	AWE	0.47534	16.50000	Oversupply
11/29/2024 12:04	0:05	AWE	0.10477	16.70000	Oversupply
11/29/2024 12:17	0:02	AWE	0.00912	16.20000	Oversupply
11/29/2024 15:04	0:40	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 15:04	0:38	KWP2	3.77504	10.44061	Oversupply
11/29/2024 15:10	0:02	AWE	0.02676	12.30000	Oversupply
11/29/2024 15:14	0:03	AWE	0.03292	12.70000	Oversupply
11/29/2024 15:27	0:02	AWE	0.00743	13.30000	Oversupply
11/29/2024 15:44	0:01	KWP2	0.01129	8.81194	Oversupply
11/29/2024 15:54	0:35	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 15:55	0:35	KWP2	2.25978	11.00046	Oversupply
11/29/2024 16:45	0:03	BS 250	Data is not available	Data is not available	Oversupply
11/29/2024 16:45	0:03	KWP2	0.02438	10.60128	Oversupply
11/30/2024 11:34	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 11:36	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 11:57	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 11:57	0:01	AWE	0.00114	9.60000	Oversupply
11/30/2024 11:57	0:01	KWP2	0.00642	0.38521	Oversupply
11/30/2024 11:59	0:02	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 12:00	0:01	AWE	0.00409	9.90000	Oversupply
11/30/2024 12:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 12:27	0:04	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 12:28	0:01	AWE	0.00214	6.80000	Oversupply
11/30/2024 12:28	0:03	KWP2	0.03103	1.17160	Oversupply
11/30/2024 12:38	0:04	BS 250	Data is not available	Data is not available	Oversupply
11/30/2024 12:39	0:04	KWP2	0.09367	2.91503	Oversupply
Total Estimated Curtailed MWh			1,807.881		

Notes:

- Curtailment for Kaheawa Wind Power ("KWP"), AAAAA Rent-A-Space Maui LTD ("5A"), Maui Solar, LLC (MS) fka Strategic Alliance Group ("SAG") fka Bioreal Solar, LLC ("BS"), Auwahi Wind Energy ("AWE"), Kaheawa Wind Power II ("KWP2") Bioreal Solar 250, LLC ("BS250"), Extra Spaces A ("ESA"), Extra Spaces B ("ESB"), SSA Solar of Hawaii 3 ("SSA3") fka South Maui Renewable Resources ("SMRR"), SSA Solar of HI 2 ("SSA2") fka Ku'ia Solar ("KS"), and Maui 17-2 ("17-2") may now be controlled by Maui Electric's Automatic Generation Control System ("AGC") or a Maui Electric operator-entered curtailment limit. The AGC curtailment control automatically calculates the amount of Maximum Allowable Variable Generation ("MAVG") that Maui Electric can accept into the Maui system, based on the system current available variable generation ("CAVG"), regulating reserve down requirement ("RRDR"), and available regulating reserve down ("ARRD"). Thus, the AGC MAVG - calculated is equal to CAVG less (RRDR less ARRD). Additionally, the AGC curtailment control allows the Maui Electric operator to enter an AGC MAVG value. The AGC curtailment control will employ the lesser of the AGC MAVG - calculated and AGC MAVG - entered values in the control logic.

- Curtailment signals sent to 5A, MS (fka SAG fka BS), BS250, ESA, ESB, SSA3 (fka SMRR), SSA3 (fka KS) and 17-2 during nighttime hours only are not recorded as curtailment events because no energy generation is possible during that time.

- The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECO companies metrics.

- Facility Requested curtailment includes but is not limited to conditions that are attributed to IPPs such as communication problems and curtailment control testing.

- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by 5A, MS, BS 250, ESA, and ESB.

- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information estimated or provided by AWE, KWP, KWP2, SSA 2 (fka KS), SSA 3 (fka SMRR) and 17-2. Maui Electric does not make any representation as to its accuracy.

- ESA, and ESB facilities were offline for the month because of Seller equipment problems.

- Kuia Solar was offline for the entire month due to the Lahaina Fire on November 12, 2022. The interconnection Substation was also destroyed in the August 8 2023 Lahaina Wind Storm and Fires. As of June 12, 2024, SMRR was back online but at reduced capacity. The facility went offline again on July 3 and subsequently started a small fire at the facility. Seller is working on a root cause analysis, there is no return to service date available.

- On March 23, 2024 MS (Bioreal 500) FIT project had a fire and lost their interconnection facilities. Owner is working to install new equipment and will coordinate with engineering as needed. Project is offline until repairs are made. Last reported curtailment is March 23, 2024.

-November 12, 13, 21, 25, & 26th, KWP2 was taken offline for pole replacement. Normal data sources were not available, equipment was de-energized. We worked with site to get estimated curtailed MWH using KWP1 data sources.

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(Docket No. 2011-0206)

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