



June 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's<sup>1</sup> monthly report for May 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](mailto:michael.chu@hawaiianelectric.com).

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura  
Director, Regulatory Non-Rate Proceedings

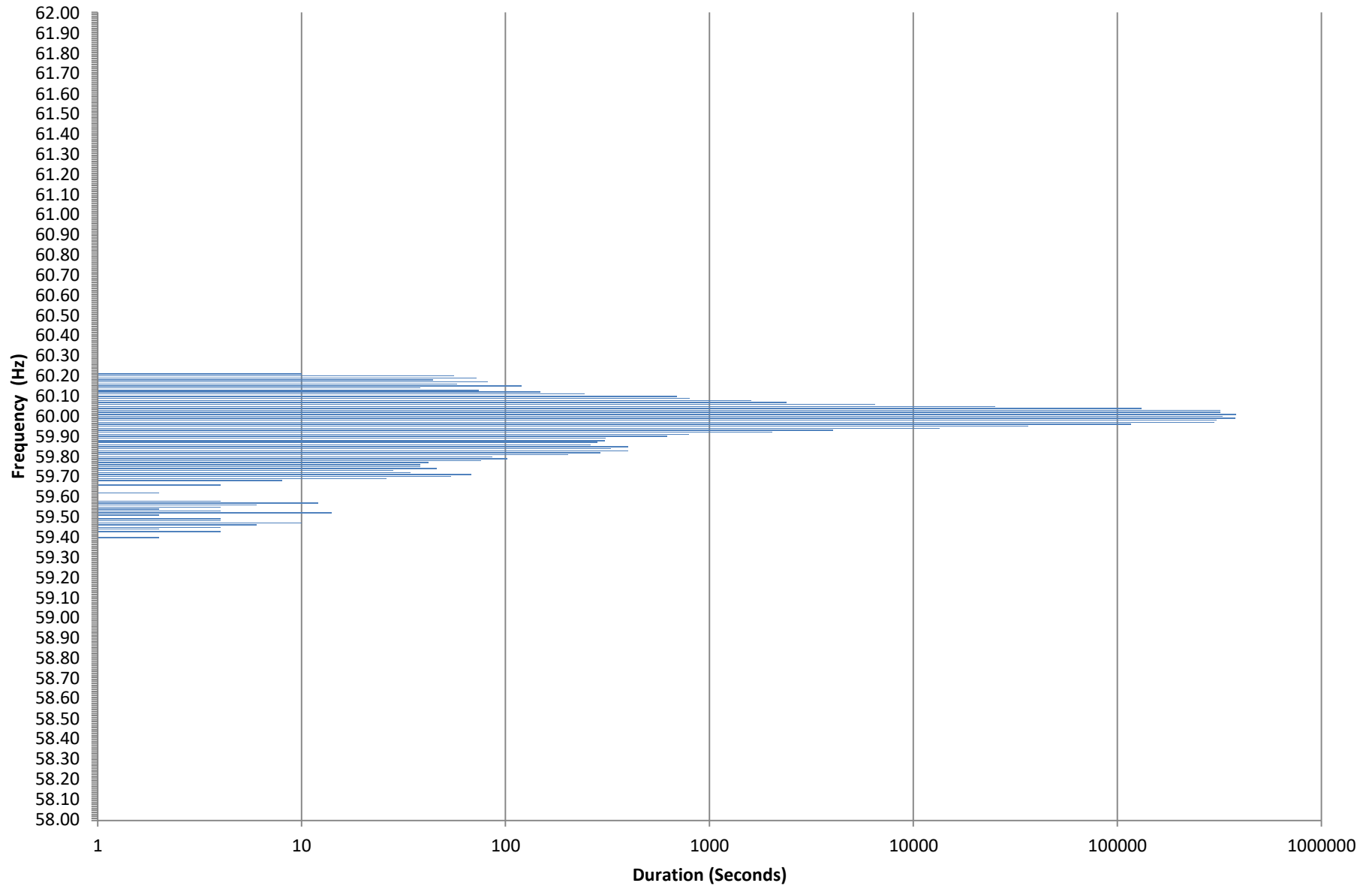
Enclosures

c: Service List

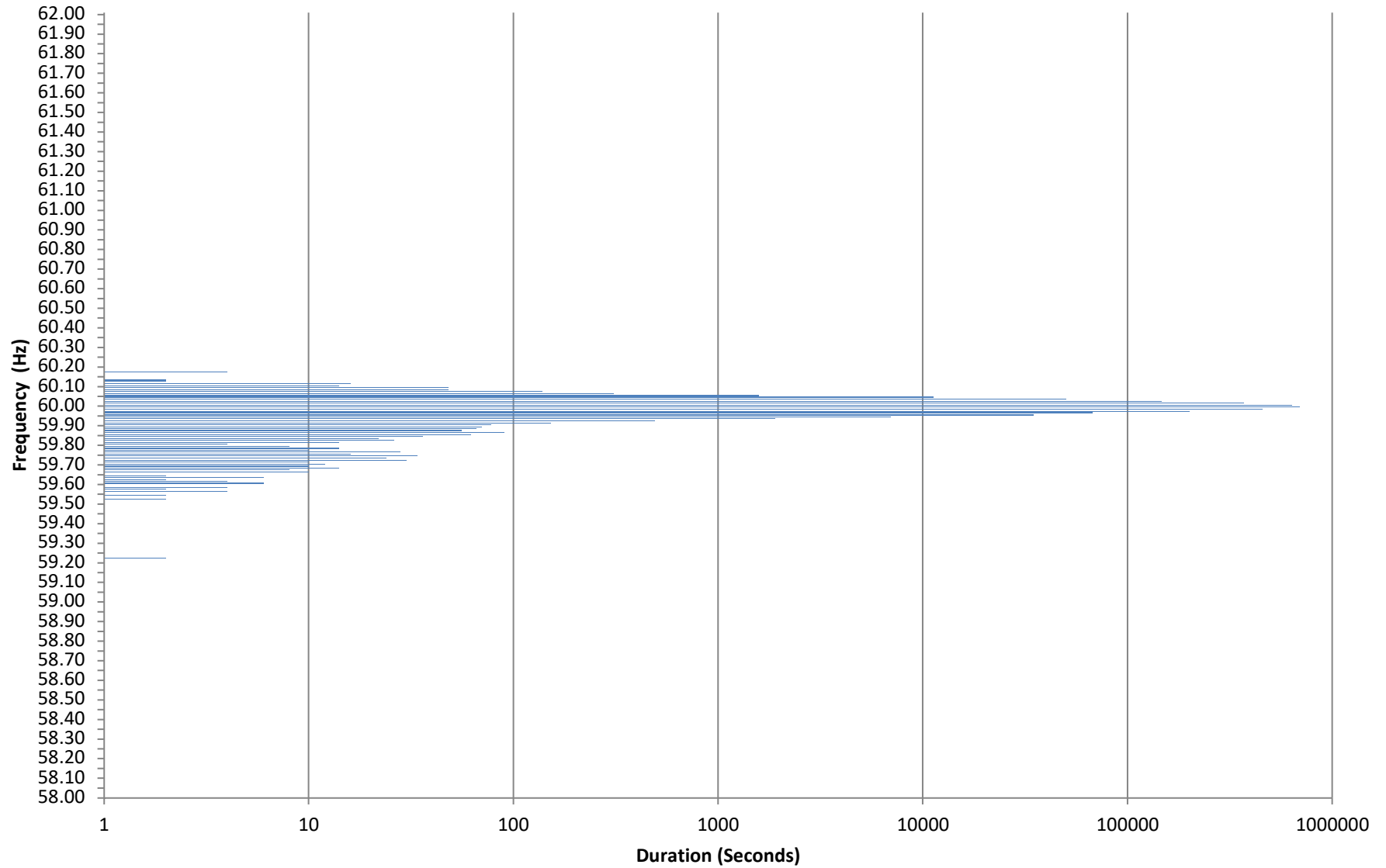
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<sup>1</sup> Hawaiian Electric Company, Inc., Maui Electric Company, Limited, and Hawai'i Electric Light Company, Inc. are each doing business as "Hawaiian Electric" and have jointly registered "Hawaiian Electric" as a trade name with the State of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

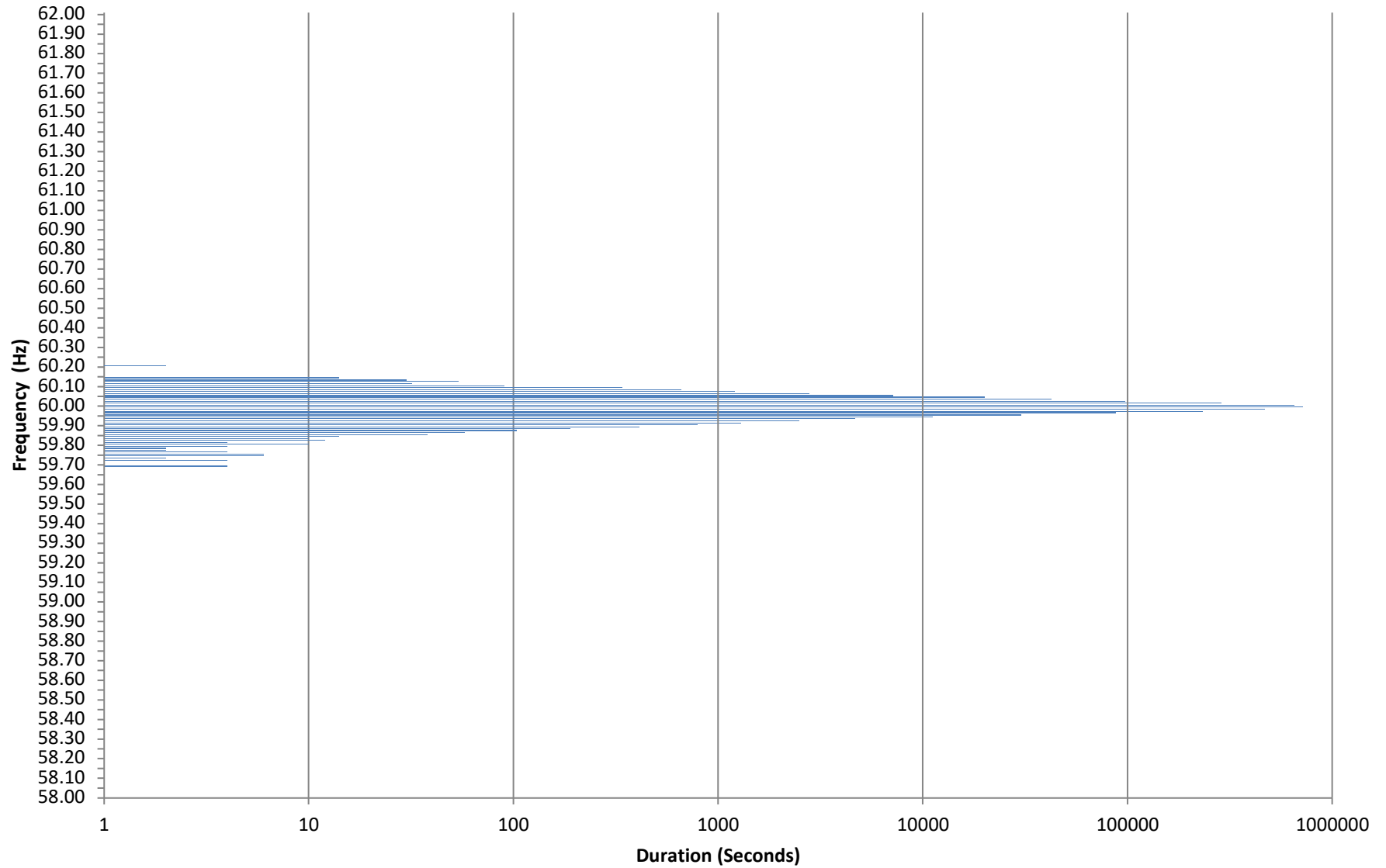
## Frequency Distribution Plot - Hawaiian Electric May 2024



## Frequency Distribution Plot - Hawai'i Island May 2024



## Frequency Distribution Plot - Maui Electric Company, Limited May 2024



Hawaiian Electric Frequency Excursion Statistics		
May 2024		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	3199	1606
Maximum Duration (sec)	1308	836
Maximum Deviation (Hz)	59.405	60.208
Total Duration of Excursions (sec)	35904	18832

Hawai'i Island Frequency Excursion Statistics May 2024		
	<59.95 Hz	>60.05 Hz
Number of Excursions	4830	214
Maximum Duration (sec)	244	88
Maximum Deviation (Hz)	59.222	60.170
Total Duration of Excursions (sec)	28206	1020

Maui Electric Company, Limited Frequency Excursion Statistics May 2024		
	<59.95 Hz	>60.05 Hz
Number of Excursions	10236	705
Maximum Duration (sec)	448	334
Maximum Deviation (Hz)	59.687	60.197
Total Duration of Excursions (sec)	51406	5234

HAWAIIAN ELECTRIC COMPANY, INC.  
CONTINGENCY RESERVE ACTIVATION EVENTS  
May 2024

Event #	Date & Time	Frequency (Hz)			Spinning Reserve Shortfall (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	5/10/2024 6:06	60.02	59.40	NA	0.00	0:00	K6 tripped offline while generating ~120 MW. W10 and CIP called online for spinning reserve.
2	5/23/2024 17:27	60.04	59.66	NA	0.00	0:00	K1 tripped offline while generating ~69 MW. SGS called online for spinning reserve.



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

Event #	Date	Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
			Prior to Event	Nadir	Level UFLS Occurred			
1	5/17/2024	1:23 PM	59.99	59.18	59.20	12.92	0:14	AES Waikoloa 7 of 13 inverters tripped offline dropping output from 27.24 MW to 8.05 MW.

UNDERFREQUENCY LOADSHEDDING EVENTS  
May 2024

Event #	IR #	Island	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
				Prior to Event	Nadir	Levels UFLS Occurred			
1	410	Molokai	5/20/2024 1:59PM	60.01	47.072	58.7, 57.75, 57.5, 57.25, 56	1.8	1:28	Molokai unit 8 tripped offline due to mechanical issues, the system frequency dipped causing circuit 106B, 109B, 110B, 111A and 112A breakers to trip on UFLS scheme.

HAWAIIAN ELECTRIC COMPANY, INC.  
DEMAND RESPONSE EVENTS  
May 2024

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	5/10/2024 6:06	60.02	59.40	59.70	NA	0:05	K6 tripped offline while generating ~120 MW. RDLC/CIDLC activated.
2	5/23/2024 17:27	60.04	59.66	59.70	NA	0:03	K1 tripped offline while generating ~69 MW. RDLC/CIDLC activated.

Hawaiian Electric Company, Inc. Curtailment Report May 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
05/02/24 06:08	0.0	0.00	05/02/24 07:32	0	*	KREP	System Constraints
05/02/24 06:10	0.0	0.00	05/02/24 07:33	0		WestL	System Constraints
05/02/24 14:13	0.0	1.40	05/02/24 15:34	0	*	KREP	System Constraints
05/02/24 14:14	0.0	19.40	05/02/24 15:36	0		WestL	System Constraints
05/03/24 06:42	0.0	1.10	05/03/24 08:20	0	*	Waianae	System Constraints
05/03/24 06:43	0.0	0.10	05/03/24 16:05	0	*	Aloha1	System Constraints
05/03/24 08:04	0.0	12.70	05/03/24 09:42	0	*	KWF	System Constraints
05/03/24 13:46	0.0	11.50	05/03/24 15:20	0	*	KSMakai	Oversupply
05/03/24 13:46	0.0	3.80	05/03/24 15:20	0	*	KSMauka	Oversupply
05/03/24 13:47	0.0	2.60	05/03/24 15:19	0	*	Aloha2	Oversupply
05/03/24 13:47	0.0	0.80	05/03/24 15:20	0	*	MFO	Oversupply
05/03/24 13:50	0.0	23.80	05/03/24 15:19	0	*	NPM	Oversupply
05/03/24 14:08	0.0	14.40	05/03/24 15:04	0	*	Lani	Oversupply
05/03/24 14:08	0.0	41.40	05/03/24 15:05	0	*	Waipio	Oversupply
05/03/24 14:32	0.0	19.90	05/03/24 16:03	0	*	Waianae	System Constraints
05/05/24 12:23	0.0	11.70	05/05/24 15:29	0	*	KSMakai	Oversupply
05/05/24 12:23	0.0	5.90	05/05/24 15:29	0	*	KSMauka	Oversupply
05/05/24 12:27	0.0	3.70	05/05/24 15:29	0	*	Aloha2	Oversupply
05/05/24 12:29	0.0	1.50	05/05/24 15:29	0	*	MFO	Oversupply
05/05/24 12:32	0.0	23.60	05/05/24 15:28	0	*	NPM	Oversupply
05/05/24 13:04	0.0	44.70	05/05/24 15:27	0	*	Waipio	Oversupply
05/05/24 13:05	0.0	14.40	05/05/24 15:27	0	*	Lani	Oversupply
05/05/24 14:11	0.0	19.90	05/05/24 14:46	0		WestL	Oversupply
05/05/24 14:11	0.0	20.60	05/05/24 14:42	0	*	Waianae	Oversupply
05/06/24 06:13	0.0	0.00	05/06/24 07:34	0	*	WAIH N	System Constraints
05/06/24 06:14	0.0	0.00	05/06/24 07:34	0	*	WAIH S	System Constraints
05/06/24 14:13	0.0	8.80	05/06/24 16:16	0	*	KSMakai	Oversupply
05/06/24 14:13	0.0	12.50	05/06/24 17:35	0	*	KSMauka	Oversupply
05/06/24 14:19	0.0	2.90	05/06/24 16:16	0	*	Aloha2	Oversupply
05/06/24 14:19	0.0	1.30	05/06/24 16:15	0	*	MFO	Oversupply
05/06/24 14:19	0.0	23.50	05/06/24 16:15	0	*	NPM	Oversupply
05/06/24 15:46	0.0	1.30	05/06/24 17:21	0	*	WAIH N	System Constraints
05/06/24 15:48	0.0	0.60	05/06/24 17:21	0	*	WAIH S	System Constraints
05/06/24 15:50	0.0	32.60	05/06/24 17:20	0	*	KWMauka	System Constraints
05/07/24 06:36	0.0	0.00	05/07/24 08:34	0	*	KREP	System Constraints
05/07/24 06:37	0.0	0.00	05/07/24 08:35	0		WestL	System Constraints
05/07/24 08:12	0.0	0.80	05/07/24 09:34	0	*	MFO	System Constraints
05/07/24 08:14	0.0	5.20	05/07/24 14:58	0	*	KWF	System Constraints
05/07/24 08:16	0.0	9.60	05/07/24 09:35	0	*	KSMakai	System Constraints
05/07/24 08:16	0.0	1.90	05/07/24 09:34	0	*	KWMakai	System Constraints
05/07/24 12:23	0.0	1.40	05/07/24 13:42	0	*	MFO	System Constraints
05/07/24 12:25	0.0	9.40	05/07/24 13:44	0	*	KSMakai	System Constraints
05/07/24 12:25	0.0	9.10	05/07/24 13:43	0	*	KWMakai	System Constraints
05/07/24 14:37	0.0	9.40	05/07/24 16:37	0	*	KSMakai	Oversupply
05/07/24 14:37	0.0	13.40	05/07/24 16:17	0	*	KSMauka	Oversupply
05/07/24 14:37	0.0	1.40	05/07/24 16:14	0	*	Aloha2	Oversupply
05/07/24 14:38	0.0	1.10	05/07/24 16:32	0	*	MFO	Oversupply
05/07/24 14:38	0.0	7.10	05/08/24 03:06	0	*	NPM	Oversupply
05/07/24 14:41	0.0	14.20	05/07/24 15:38	0	*	Lani	Oversupply
05/07/24 14:41	0.0	45.40	05/07/24 15:41	0	*	Waipio	Oversupply
05/07/24 15:29	0.0	2.70	05/07/24 16:34	0	*	KWF	System Constraints
05/07/24 15:30	0.0	11.30	05/07/24 16:36	0	*	KWMakai	System Constraints
05/07/24 16:21	0.0	0.50	05/07/24 17:36	0	*	KREP	System Constraints
05/07/24 16:22	0.0	5.20	05/07/24 17:37	0		WestL	System Constraints
05/08/24 01:36	0.0	0.00	05/08/24 03:40	0	*	MFO	System Constraints
05/08/24 01:40	0.0	0.00	05/08/24 03:44	0	*	KSMakai	System Constraints
05/08/24 01:40	0.0	0.00	05/08/24 03:43	0	*	KWMakai	System Constraints
05/08/24 01:49	0.0	0.00	05/08/24 03:41	0	*	KWF	System Constraints
05/08/24 10:29	0.0	0.10	05/08/24 17:03	0	*	NPM	System Constraints
05/08/24 14:44	0.0	1.40	05/08/24 16:51	0	*	MFO	System Constraints
05/08/24 14:48	0.0	10.40	05/08/24 16:49	0	*	KSMakai	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report May 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
05/08/24 14:48	0.0	1.30	05/08/24 16:48	0	*	KWMakai	System Constraints
05/08/24 15:02	0.0	0.00	05/08/24 16:47	0	*	KWF	System Constraints
05/09/24 06:59	0.0	0.90	05/09/24 07:51	0	*	Waianae	System Constraints
05/09/24 07:01	0.0	0.10	05/09/24 16:37	0	*	Aloha1	System Constraints
05/09/24 15:22	0.0	5.80	05/09/24 16:36	0	*	Waianae	System Constraints
05/10/24 06:15	0.0	0.00	05/10/24 07:59	0	*	Waianae	System Constraints
05/10/24 06:16	0.0	0.00	05/10/24 17:32	0	*	Aloha1	System Constraints
05/10/24 08:26	0.0	6.70	05/10/24 09:01	0	*	NPM	System Constraints
05/10/24 09:02	0.0	0.10	05/10/24 09:19	0	*	NPM	System Constraints
05/10/24 16:12	0.0	11.70	05/10/24 17:32	0	*	Waianae	System Constraints
05/11/24 16:59	0.0	3.80	05/11/24 17:58	0	*	WestL	System Constraints
05/13/24 05:39	0.0	0.00	05/13/24 16:58	0	*	MFO	System Constraints
05/13/24 05:42	0.0	0.00	05/13/24 17:09	0	*	KWMakai	System Constraints
05/13/24 05:42	0.0	2.50	05/13/24 08:35	0	*	KWMauka	System Constraints
05/13/24 05:45	0.0	0.00	05/13/24 17:02	0	*	KSMakai	System Constraints
05/13/24 05:45	0.0	0.00	05/13/24 08:37	0	*	KSMauka	System Constraints
05/13/24 05:51	0.0	0.00	05/13/24 07:18	0	*	NPM	System Constraints
05/13/24 05:55	0.0	0.00	05/13/24 17:21	0	*	KWF	System Constraints
05/13/24 14:47	0.0	4.50	05/13/24 15:33	0	*	NPM	System Constraints
05/13/24 16:29	0.0	4.20	05/13/24 17:10	0	*	KWMauka	System Constraints
05/13/24 16:30	0.0	0.00	05/13/24 17:01	0	*	KSMauka	System Constraints
05/14/24 07:13	0.0	0.00	05/14/24 16:41	0	*	KWF	System Constraints
05/14/24 07:16	0.0	0.00	05/14/24 16:44	0	*	KWMakai	System Constraints
05/14/24 07:17	0.0	0.00	05/14/24 16:45	0	*	KSMakai	System Constraints
05/14/24 07:17	0.0	2.00	05/14/24 08:37	0	*	KSMauka	System Constraints
05/14/24 07:17	0.0	6.20	05/14/24 08:37	0	*	KWMauka	System Constraints
05/14/24 09:45	0.0	16.10	05/14/24 11:44	0	*	Waianae	System Constraints
05/14/24 09:47	0.0	3.00	05/14/24 11:43	0	*	Aloha1	System Constraints
05/14/24 16:01	0.0	2.80	05/14/24 16:36	0	*	KSMauka	System Constraints
05/14/24 16:01	0.0	0.00	05/14/24 16:45	0	*	KWMauka	System Constraints
05/15/24 05:56	0.0	0.00	05/15/24 16:56	0	*	Waianae	System Constraints
05/15/24 05:58	0.0	0.00	05/15/24 07:14	0	*	Aloha1	System Constraints
05/15/24 14:30	0.0	4.30	05/15/24 16:57	0	*	Aloha1	System Constraints
05/15/24 18:23	0.0	0.00	05/15/24 22:01	0	*	KWF	System Constraints
05/15/24 18:46	0.0	0.00	05/15/24 19:42	0	*	NPM	System Constraints
05/15/24 18:51	0.0	1.20	05/15/24 19:40	0	*	KWMakai	System Constraints
05/15/24 18:52	0.0	0.00	05/15/24 19:41	0	*	KSMakai	System Constraints
05/15/24 18:52	0.0	0.00	05/15/24 19:41	0	*	KSMauka	System Constraints
05/15/24 18:52	0.0	5.00	05/15/24 19:40	0	*	KWMauka	System Constraints
05/16/24 10:31	0.0	0.40	05/16/24 10:39	0	*	NPM	System Constraints
05/22/24 06:10	0.0	0.00	05/22/24 06:23	0	*	KLS2	System Constraints
05/22/24 15:22	0.0	0.70	05/22/24 16:14	0	*	KLS2	System Constraints
05/23/24 06:06	0.0	0.00	05/23/24 07:43	0	*	WestL	System Constraints
05/23/24 06:08	0.0	0.00	05/23/24 16:32	0	*	Aloha2	System Constraints
05/23/24 06:08	0.0	0.00	05/23/24 07:44	0	*	KREP	System Constraints
05/23/24 06:57	0.0	17.90	05/23/24 17:41	0	*	NPM	System Constraints
05/23/24 06:58	0.0	0.40	05/23/24 08:20	0	*	MFO	System Constraints
05/23/24 07:00	0.0	7.80	05/23/24 09:03	0	*	KWF	System Constraints
05/23/24 07:02	0.0	3.90	05/23/24 09:07	0	*	KSMakai	System Constraints
05/23/24 07:02	0.0	1.70	05/23/24 09:07	0	*	KWMakai	System Constraints
05/23/24 14:53	0.0	12.30	05/23/24 16:35	0	*	WestL	System Constraints
05/23/24 14:56	0.0	1.40	05/23/24 16:33	0	*	KREP	System Constraints
05/23/24 16:39	0.0	0.70	05/23/24 17:44	0	*	MFO	System Constraints
05/23/24 16:42	0.0	8.50	05/23/24 17:46	0	*	KWF	System Constraints
05/23/24 16:45	0.0	8.20	05/23/24 17:48	0	*	KSMakai	System Constraints
05/23/24 16:45	0.0	13.30	05/23/24 17:47	0	*	KWMakai	System Constraints
05/24/24 12:15	0.0	9.80	05/24/24 15:03	0	*	KSMakai	Oversupply
05/24/24 12:15	0.0	15.10	05/24/24 15:03	0	*	KSMauka	Oversupply
05/24/24 12:16	0.0	3.30	05/24/24 14:50	0	*	Aloha2	Oversupply
05/24/24 12:16	0.0	1.20	05/24/24 14:50	0	*	MFO	Oversupply
05/24/24 12:17	0.0	15.90	05/24/24 14:50	0	*	NPM	Oversupply
05/24/24 12:26	0.0	14.30	05/02/24 14:23	0	*	Lani	Oversupply
05/24/24 12:26	0.0	44.70	05/24/24 14:23	0	*	Waipio	Oversupply
05/24/24 14:39	0.0	9.60	05/24/24 15:56	0	*	Waianae	System Constraints

Hawaiian Electric Company, Inc. Curtailment Report May 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
05/24/24 14:40	0.0	3.30	05/24/24 19:38	0	*	Aloha1	System Constraints
05/24/24 18:26	0.0	0.00	05/24/24 19:37	0	*	Waianae	System Constraints
05/29/24 05:42	0.0	0.00	05/29/24 06:37	0	*	Waianae	System Constraints
05/29/24 05:48	0.0	0.00	05/29/24 17:38	0	*	Aloha1	System Constraints
05/29/24 06:03	0.0	0.00	05/29/24 11:19	0	*	MFO	System Constraints
05/29/24 06:05	0.0	6.80	05/29/24 07:13	0	*	KWF	System Constraints
05/29/24 06:09	0.0	5.00	05/29/24 07:09	0	*	KWMakai	System Constraints
05/29/24 06:09	0.0	14.30	05/29/24 18:00	0	*	KWMauka	System Constraints
05/29/24 06:09	0.0	0.00	05/29/24 07:11	0	*	KSMakai	System Constraints
05/29/24 06:10	0.0	0.00	05/29/24 15:15	0	*	KSMauka	System Constraints
05/29/24 14:07	0.0	8.90	05/29/24 15:21	0	*	KWF	System Constraints
05/29/24 14:07	0.0	6.00	05/29/24 15:14	0	*	KSMakai	System Constraints
05/29/24 14:08	0.0	8.00	05/29/24 15:16	0	*	KWMakai	System Constraints
05/29/24 14:14	0.0	1.30	05/29/24 15:22	0	*	MFO	System Constraints
05/29/24 16:21	0.0	9.90	05/29/24 17:40	0	*	Waianae	System Constraints
05/30/24 06:22	0.0	22.90	05/30/24 06:25	0	*	KWMauka	System Constraints
05/30/24 06:57	0.0	22.00	05/30/24 16:26	0	*	KWMauka	System Constraints
05/30/24 07:09	0.0	0.40	05/30/24 07:35	0	*	KREP	System Constraints
05/30/24 07:11	0.0	2.60	05/30/24 07:37	0	*	WestL	System Constraints
05/30/24 16:20	0.0	1.50	05/30/24 17:06	0	*	KREP	System Constraints
05/30/24 16:22	0.0	5.80	05/30/24 17:07	0	*	WestL	System Constraints
05/31/24 05:57	0.0	0.00	05/31/24 07:26	0	*	Aloha1	System Constraints
05/31/24 06:00	0.0	0.00	05/31/24 18:15	0	*	Waianae	System Constraints
05/31/24 06:34	0.0	0.10	05/31/24 09:27	0	*	KREP	System Constraints
05/31/24 06:36	0.0	1.20	05/31/24 09:17	0	*	WestL	System Constraints
05/31/24 06:42	0.0	0.40	05/31/24 09:18	0	*	KLS2	System Constraints
05/31/24 08:49	0.0	0.00	06/01/24 05:39	0	*	Lani	System Constraints
05/31/24 13:21	0.0	0.00				KLS2	System Constraints
05/31/24 16:35	0.0	2.40	05/31/24 17:31	0	*	Aloha1	System Constraints

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

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

\* Data has not been provided by IPP.

Hawai'i Electric Light Company Curtailment Report May 2024

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released <sup>1</sup>	IPP	Reason for Curtailment
05/02/24 11:11	1.0 MW	05/02/24 13:17	0.0 MW	TGUHI	Oversupply
05/02/24 11:12	0.2 MW	05/02/24 13:17	0.0 MW	West Hawaii Civic Center	Oversupply
05/02/24 11:15	17.9 MW	05/02/24 13:16	14.6 MW	Pakini Nui	Oversupply
05/04/24 02:26	19.7 MW	05/04/24 05:05	16.5 MW	Pakini Nui	Oversupply
05/04/24 10:00	0.9 MW	05/04/24 14:41	0.0 MW	TGUHI	Oversupply
05/04/24 10:00	0.2 MW	05/04/24 14:40	0.0 MW	West Hawaii Civic Center	Oversupply
05/04/24 10:00	19.1 MW	05/04/24 14:23	18.4 MW	Pakini Nui	Oversupply
05/05/24 02:23	18.7 MW	05/05/24 05:40	18.1 MW	Pakini Nui	Oversupply
05/05/24 07:03	19.1 MW	05/05/24 14:50	18.6 MW	Pakini Nui	Facility Requested
05/05/24 10:41	0.6 MW	05/05/24 15:04	0.0 MW	TGUHI	Oversupply
05/05/24 10:41	0.1 MW	05/05/24 15:04	0.0 MW	West Hawaii Civic Center	Oversupply
05/05/24 12:29	15.9 MW	05/05/24 14:33	15.9 MW	Pakini Nui	Oversupply
05/12/24 10:16	0.3 MW	05/12/24 13:03	0.0 MW	TGUHI	Oversupply
05/12/24 10:21	0.2 MW	05/12/24 13:02	0.0 MW	West Hawaii Civic Center	Oversupply
05/12/24 10:21	17.9 MW	05/12/24 12:58	16.8 MW	Pakini Nui	Oversupply
05/17/24 11:17	1.0 MW	05/17/24 13:18	0.5 MW	TGUHI	Oversupply
05/17/24 11:21	0.2 MW	05/17/24 13:17	0.0 MW	West Hawaii Civic Center	Oversupply
05/22/24 11:17	1.0 MW	05/22/24 13:18	0.0 MW	TGUHI	Oversupply
05/22/24 11:20	0.2 MW	05/22/24 13:17	0.0 MW	West Hawaii Civic Center	Oversupply
05/26/24 11:20	0.3 MW	05/26/24 13:35	0.0 MW	TGUHI	Oversupply
05/26/24 11:20	0.1 MW	05/26/24 13:35	0.0 MW	West Hawaii Civic Center	Oversupply

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



Lanai Curtailment Report

May 2024

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





**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/1/2024 10:55	3:19	17-2	2.46056	0.75000	Oversupply
5/1/2024 10:56	3:15	BS 250	Data is not available	Data is not available	Oversupply
5/1/2024 10:57	3:06	AWE	11.08167	21.00000	Oversupply
5/1/2024 11:19	0:09	KWPPII	0.03713	0.49099	Oversupply
5/1/2024 11:29	0:03	KWPPII	0.00081	0.11476	Oversupply
5/1/2024 11:35	0:02	KWPPII	0.00119	0.19859	Oversupply
5/1/2024 12:01	0:03	KWPPII	0.00492	0.23851	Oversupply
5/1/2024 12:05	0:01	KWPPII	0.00061	0.07684	Oversupply
5/1/2024 12:34	0:03	KWPPII	0.00193	0.12574	Oversupply
5/1/2024 12:47	0:10	KWPPII	0.01449	0.18762	Oversupply
5/1/2024 13:14	0:01	KWPPII	0.00011	0.07684	Oversupply
5/1/2024 13:17	0:01	KWPPII	0.00002	0.04092	Oversupply
5/1/2024 13:59	0:11	KWPPII	0.01970	0.35727	Oversupply
5/1/2024 14:04	0:03	AWE	0.02321	20.90000	Oversupply
5/1/2024 14:12	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/1/2024 14:13	0:01	KWPPII	0.00439	0.50596	Oversupply
5/1/2024 15:26	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/1/2024 15:26	0:01	AWE	0.00307	21.00000	Oversupply
5/1/2024 15:26	0:06	17-2	0.06677	0.71700	Oversupply
5/1/2024 15:28	0:02	AWE	0.01842	20.40000	Oversupply
5/2/2024 5:35	0:01	KWPPII	0.00618	10.13124	Oversupply
5/2/2024 5:40	0:05	KWPPII	0.10931	9.71010	Oversupply
5/2/2024 6:09	0:01	KWPPII	0.00296	15.50823	Oversupply
5/2/2024 6:13	0:01	KWPPII	0.00315	14.91644	Oversupply
5/2/2024 6:19	0:02	KWPPII	0.00532	15.18090	Oversupply
5/2/2024 6:22	4:09	KWPPII	41.91087	17.48418	Oversupply
5/2/2024 6:25	0:14	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 6:40	3:51	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 6:42	3:49	17-2	1.08328	0.75000	Oversupply
5/2/2024 7:25	0:01	AWE	0.00573	17.60000	Oversupply
5/2/2024 7:30	0:02	AWE	0.01276	17.70000	Oversupply
5/2/2024 7:43	0:02	AWE	0.00517	20.60000	Oversupply
5/2/2024 7:47	0:54	AWE	4.28760	21.00000	Oversupply
5/2/2024 8:44	0:23	AWE	0.99800	21.00000	Oversupply
5/2/2024 9:08	0:01	AWE	0.00774	21.00000	Oversupply
5/2/2024 9:15	0:01	AWE	0.00574	21.00000	Oversupply
5/2/2024 9:28	0:01	AWE	0.00474	21.00000	Oversupply
5/2/2024 9:45	0:41	AWE	3.92806	21.00000	Oversupply
5/2/2024 10:36	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 10:36	0:02	KWPPII	0.01686	7.97466	Oversupply
5/2/2024 10:36	0:02	17-2	0.00758	0.25300	Oversupply
5/2/2024 10:39	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 10:39	0:10	17-2	0.07979	0.75000	Oversupply
5/2/2024 10:41	0:02	KWPPII	0.01656	9.42469	Oversupply
5/2/2024 10:44	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 10:44	0:05	KWPPII	0.13162	9.58037	Oversupply
5/2/2024 10:47	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 11:02	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 11:02	0:07	17-2	0.03874	0.41500	Oversupply
5/2/2024 11:03	0:06	KWPPII	0.16767	6.91084	Oversupply
5/2/2024 11:14	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 11:14	0:03	KWPPII	0.02031	5.71429	Oversupply
5/2/2024 11:14	0:03	17-2	0.01480	0.31800	Oversupply
5/2/2024 11:18	0:02	KWPPII	0.01324	6.09152	Oversupply
5/2/2024 11:18	0:02	17-2	0.02018	0.75000	Oversupply
5/2/2024 11:23	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 11:23	0:05	17-2	0.02134	0.32500	Oversupply
5/2/2024 11:24	0:04	KWPPII	0.09511	4.73929	Oversupply
5/2/2024 11:33	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 11:33	0:04	17-2	0.02714	0.75000	Oversupply
5/2/2024 11:36	0:01	KWPPII	0.01554	2.54179	Oversupply
5/2/2024 12:33	0:03	17-2	0.01061	0.33400	Oversupply
5/2/2024 12:35	0:01	KWPPII	0.00321	0.30038	Oversupply
5/2/2024 12:37	0:01	17-2	0.00203	0.21000	Oversupply
5/2/2024 12:45	0:27	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 12:45	0:28	17-2	0.29282	0.75000	Oversupply
5/2/2024 12:46	0:21	AWE	0.30875	21.00000	Oversupply
5/2/2024 12:47	0:05	KWPPII	0.02382	0.55786	Oversupply
5/2/2024 12:53	0:01	KWPPII	0.00035	0.02096	Oversupply
5/2/2024 12:59	0:14	KWPPII	0.11974	0.79038	Oversupply
5/2/2024 13:09	0:03	AWE	0.02838	21.00000	Oversupply
5/2/2024 13:56	0:01	17-2	0.00266	0.30000	Oversupply
5/2/2024 13:59	0:10	17-2	0.04033	0.28800	Oversupply
5/2/2024 14:00	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 14:00	0:01	KWPPII	0.00008	0.21855	Oversupply
5/2/2024 14:01	0:08	AWE	0.05101	21.00000	Oversupply
5/2/2024 14:02	0:01	KWPPII	0.00135	0.25448	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/2/2024 14:11	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 14:11	0:08	17-2	0.03338	0.75000	Oversupply
5/2/2024 14:12	0:02	AWE	0.00182	21.00000	Oversupply
5/2/2024 14:16	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 14:16	0:02	AWE	0.00248	21.00000	Oversupply
5/2/2024 14:23	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 14:23	0:01	KWPPII	0.00228	0.41814	Oversupply
5/2/2024 14:23	0:19	17-2	0.17900	0.75000	Oversupply
5/2/2024 14:26	0:15	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 14:27	0:14	AWE	0.37484	21.00000	Oversupply
5/2/2024 14:36	0:06	KWPPII	0.05674	1.39215	Oversupply
5/2/2024 17:43	0:11	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 17:43	0:52	17-2	0.03698	0.07700	Oversupply
5/2/2024 17:43	1:05	KWPPII	2.78351	17.91629	Oversupply
5/2/2024 17:55	0:52	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 18:49	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/2/2024 18:50	1:16	KWPPII	4.87057	18.03405	Oversupply
5/2/2024 20:07	0:04	KWPPII	0.04180	16.34451	Oversupply
5/2/2024 20:13	0:01	KWPPII	0.00544	16.23075	Oversupply
5/2/2024 20:15	0:05	KWPPII	0.11345	17.66680	Oversupply
5/2/2024 21:06	0:02	KWPPII	0.00470	16.40639	Oversupply
5/2/2024 21:09	0:11	KWPPII	0.29793	16.52913	Oversupply
5/2/2024 21:25	8:57	KWPPII	110.49626	19.53996	Oversupply
5/3/2024 1:13	0:01	AWE	0.00972	16.10000	Oversupply
5/3/2024 1:24	2:18	AWE	12.03747	21.00000	Oversupply
5/3/2024 3:44	1:25	AWE	5.73115	21.00000	Oversupply
5/3/2024 6:25	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 6:28	0:01	KWPPII	0.00053	14.92542	Oversupply
5/3/2024 6:30	0:01	KWPPII	0.00129	14.95835	Oversupply
5/3/2024 6:31	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 6:32	0:02	KWPPII	0.01331	15.00126	Oversupply
5/3/2024 6:39	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 6:39	0:02	KWPPII	0.01269	15.00126	Oversupply
5/3/2024 6:41	11:47	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 6:42	11:33	KWPPII	143.60872	19.58587	Oversupply
5/3/2024 6:47	0:11	17-2	0.00440	0.02400	Oversupply
5/3/2024 7:02	11:13	17-2	5.62145	0.75000	Oversupply
5/3/2024 8:30	0:05	AWE	0.10842	21.00000	Oversupply
5/3/2024 8:44	1:59	AWE	11.32527	21.00000	Oversupply
5/3/2024 10:44	0:01	AWE	0.00922	21.00000	Oversupply
5/3/2024 10:49	0:01	AWE	0.00041	21.00000	Oversupply
5/3/2024 10:52	5:17	AWE	51.25202	21.00000	Oversupply
5/3/2024 13:06	0:03	5A	Data is not available	Data is not available	Oversupply
5/3/2024 16:18	0:03	AWE	0.02472	21.00000	Oversupply
5/3/2024 18:16	0:16	KWPPII	0.61866	15.00027	Oversupply
5/3/2024 18:16	0:16	17-2	0.01207	0.05500	Oversupply
5/3/2024 18:31	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 18:35	0:17	BS 250	Data is not available	Data is not available	Oversupply
5/3/2024 18:35	0:03	17-2	0.00120	0.02400	Oversupply
5/3/2024 18:35	11:32	KWPPII	107.56968	18.05401	Oversupply
5/3/2024 22:24	0:06	AWE	0.07787	21.00000	Oversupply
5/4/2024 6:15	7:58	KWPPII	93.04376	18.06000	Oversupply
5/4/2024 6:25	7:47	BS 250	Data is not available	Data is not available	Oversupply
5/4/2024 6:38	7:35	17-2	3.38603	0.75000	Oversupply
5/4/2024 8:52	0:04	AWE	0.03554	20.70000	Oversupply
5/4/2024 9:08	0:10	AWE	0.23623	20.70000	Oversupply
5/4/2024 9:35	3:55	AWE	38.63327	20.90000	Oversupply
5/4/2024 13:36	0:01	AWE	0.01306	20.80000	Oversupply
5/4/2024 13:54	0:01	AWE	0.01574	20.80000	Oversupply
5/4/2024 14:20	0:01	17-2	0.00455	0.69600	Oversupply
5/4/2024 14:21	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/4/2024 14:22	0:02	KWPPII	0.01941	14.40049	Oversupply
5/4/2024 14:22	0:02	17-2	0.01940	0.75000	Oversupply
5/4/2024 14:25	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/4/2024 14:26	0:01	KWPPII	0.01929	14.41347	Oversupply
5/4/2024 14:26	0:02	17-2	0.02453	0.75000	Oversupply
5/4/2024 14:42	1:22	BS 250	Data is not available	Data is not available	Oversupply
5/4/2024 14:42	1:14	17-2	0.78298	0.75000	Oversupply
5/4/2024 14:43	1:13	KWPPII	8.45182	14.76475	Oversupply
5/4/2024 14:56	0:01	AWE	0.00497	20.40000	Oversupply
5/4/2024 14:58	0:14	AWE	0.31049	20.80000	Oversupply
5/4/2024 15:18	0:01	AWE	0.00308	20.50000	Oversupply
5/4/2024 15:57	0:08	17-2	0.07863	0.65400	Oversupply
5/4/2024 15:58	0:06	KWPPII	0.15112	14.73082	Oversupply
5/4/2024 22:02	8:12	KWPPII	57.69477	17.93123	Oversupply
5/5/2024 6:16	8:26	KWPPII	106.79715	16.53013	Oversupply
5/5/2024 6:22	9:44	17-2	4.87780	0.75000	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/5/2024 6:25	9:20	BS 250	Data is not available	Data is not available	Oversupply
5/5/2024 7:56	0:02	AWE	0.01304	17.60000	Oversupply
5/5/2024 8:01	0:01	AWE	0.00165	17.60000	Oversupply
5/5/2024 8:04	0:01	AWE	0.00582	17.60000	Oversupply
5/5/2024 8:07	0:02	AWE	0.01226	17.70000	Oversupply
5/5/2024 8:10	0:23	AWE	0.63725	17.90000	Oversupply
5/5/2024 8:37	5:32	AWE	66.24171	21.00000	Oversupply
5/5/2024 11:46	0:01	KWP	0.00267	15.92000	Oversupply
5/5/2024 11:55	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:28	0:02	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:29	0:01	KWP	0.00533	10.16000	Oversupply
5/5/2024 12:31	0:03	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:35	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:37	0:01	KWP	0.00533	9.52000	Oversupply
5/5/2024 12:39	0:03	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:43	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:46	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:49	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:51	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:55	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:57	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 12:59	0:02	5A	Data is not available	Data is not available	Oversupply
5/5/2024 13:02	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 13:04	0:01	5A	Data is not available	Data is not available	Oversupply
5/5/2024 14:10	0:01	AWE	0.00057	21.00000	Oversupply
5/5/2024 14:43	1:03	KWP	5.58832	13.37759	Oversupply
5/5/2024 14:59	0:02	AWE	0.00950	21.00000	Oversupply
5/5/2024 15:02	0:01	AWE	0.00624	21.00000	Oversupply
5/5/2024 15:47	0:19	BS 250	Data is not available	Data is not available	Oversupply
5/5/2024 15:47	0:19	KWP	1.09255	12.07226	Oversupply
5/5/2024 16:07	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/5/2024 16:08	0:06	KWP	0.21640	13.72787	Oversupply
5/5/2024 16:08	0:06	17-2	0.05542	0.57800	Oversupply
5/5/2024 16:16	0:37	BS 250	Data is not available	Data is not available	Oversupply
5/5/2024 16:16	0:37	17-2	0.21203	0.56100	Oversupply
5/5/2024 16:17	0:35	KWP	2.25870	17.51911	Oversupply
5/5/2024 17:01	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/5/2024 17:02	0:01	KWP	0.01846	16.39042	Oversupply
5/5/2024 17:02	0:02	17-2	0.00874	0.28600	Oversupply
5/5/2024 17:05	0:01	KWP	0.00120	15.15595	Oversupply
5/5/2024 17:05	0:01	17-2	0.00467	0.28000	Oversupply
5/5/2024 22:01	0:09	KWP	0.20862	14.89548	Oversupply
5/5/2024 22:11	0:10	KWP	0.23916	14.76175	Oversupply
5/5/2024 22:22	0:04	KWP	0.08780	13.29376	Oversupply
5/5/2024 22:28	0:01	KWP	0.00313	13.22989	Oversupply
5/5/2024 23:41	6:52	KWP	64.56321	16.39042	Oversupply
5/6/2024 0:38	0:01	AWE	0.00007	20.90000	Oversupply
5/6/2024 0:42	0:01	AWE	0.00139	19.60000	Oversupply
5/6/2024 1:47	0:03	AWE	0.01794	17.00000	Oversupply
5/6/2024 1:51	0:01	AWE	0.00406	15.90000	Oversupply
5/6/2024 2:17	0:01	AWE	0.00038	14.10000	Oversupply
5/6/2024 2:21	0:17	AWE	0.61604	18.30000	Oversupply
5/6/2024 2:43	0:03	AWE	0.01950	12.90000	Oversupply
5/6/2024 2:47	0:02	AWE	0.00942	13.10000	Oversupply
5/6/2024 2:56	0:05	AWE	0.11385	17.20000	Oversupply
5/6/2024 3:02	0:02	AWE	0.01294	15.60000	Oversupply
5/6/2024 3:05	0:25	AWE	1.02256	17.50000	Oversupply
5/6/2024 3:34	0:02	AWE	0.00316	12.90000	Oversupply
5/6/2024 3:38	0:01	AWE	0.01604	12.60000	Oversupply
5/6/2024 3:41	0:01	AWE	0.00388	12.40000	Oversupply
5/6/2024 6:25	10:39	BS 250	Data is not available	Data is not available	Oversupply
5/6/2024 6:34	8:55	KWP	125.12271	16.52115	Oversupply
5/6/2024 7:16	0:02	AWE	0.00828	21.00000	Oversupply
5/6/2024 7:19	0:03	AWE	0.03143	20.10000	Oversupply
5/6/2024 7:23	0:05	AWE	0.11628	21.00000	Oversupply
5/6/2024 8:02	6:53	AWE	77.31242	21.00000	Oversupply
5/6/2024 11:29	0:02	5A	Data is not available	Data is not available	Oversupply
5/6/2024 11:34	0:01	KWP	0.00238	16.72000	Oversupply
5/6/2024 11:53	0:01	5A	Data is not available	Data is not available	Oversupply
5/6/2024 11:53	0:01	KWP	0.00028	15.28000	Oversupply
5/6/2024 11:59	0:01	5A	Data is not available	Data is not available	Oversupply
5/6/2024 12:07	0:02	5A	Data is not available	Data is not available	Oversupply
5/6/2024 14:57	0:02	AWE	0.01666	21.00000	Oversupply
5/6/2024 15:30	1:34	KWP	11.06266	15.00027	Oversupply
5/6/2024 22:58	0:01	KWP	0.00232	12.72692	Oversupply
5/6/2024 23:22	0:02	KWP	0.02487	11.87068	Oversupply
5/6/2024 23:40	0:01	KWP	0.00332	9.37878	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/6/2024 23:43	0:01	KWPPI	0.00691	10.18114	Oversupply
5/6/2024 23:54	0:01	KWPPI	0.01332	9.54844	Oversupply
5/6/2024 23:56	0:01	KWPPI	0.00425	10.47254	Oversupply
5/7/2024 0:01	2:23	KWPPI	17.45028	13.19097	Oversupply
5/7/2024 1:03	0:01	AWE	0.00467	18.00000	Oversupply
5/7/2024 1:18	0:01	AWE	0.00613	19.00000	Oversupply
5/7/2024 1:20	0:01	AWE	0.00322	18.30000	Oversupply
5/7/2024 1:23	0:07	AWE	0.06804	20.30000	Oversupply
5/7/2024 2:35	0:18	KWPPI	0.43201	12.19202	Oversupply
5/7/2024 2:55	0:04	KWPPI	0.04503	12.84069	Oversupply
5/7/2024 3:02	0:47	KWPPI	2.59641	13.16702	Oversupply
5/7/2024 3:52	0:03	KWPPI	0.04943	13.08619	Oversupply
5/7/2024 4:21	0:11	KWPPI	0.35810	12.91454	Oversupply
5/7/2024 4:38	0:02	KWPPI	0.01622	12.07526	Oversupply
5/7/2024 8:51	0:18	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 8:52	0:17	KWPPI	0.77844	8.07845	Oversupply
5/7/2024 9:41	3:26	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 9:42	3:26	KWPPI	17.80655	9.26103	Oversupply
5/7/2024 9:46	0:03	AWE	0.01222	18.60000	Oversupply
5/7/2024 9:53	0:01	AWE	0.00411	18.40000	Oversupply
5/7/2024 9:55	0:04	AWE	0.06744	17.80000	Oversupply
5/7/2024 10:09	0:01	AWE	0.01156	18.60000	Oversupply
5/7/2024 10:12	2:25	AWE	23.22502	21.00000	Oversupply
5/7/2024 10:40	0:01	5A	Data is not available	Data is not available	Oversupply
5/7/2024 10:53	0:03	5A	Data is not available	Data is not available	Oversupply
5/7/2024 11:01	0:01	5A	Data is not available	Data is not available	Oversupply
5/7/2024 11:30	0:01	5A	Data is not available	Data is not available	Oversupply
5/7/2024 12:40	0:03	AWE	0.05621	21.00000	Oversupply
5/7/2024 12:44	0:01	AWE	0.00135	20.40000	Oversupply
5/7/2024 12:56	0:01	AWE	0.00457	21.00000	Oversupply
5/7/2024 13:08	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 13:12	0:01	KWPPI	0.00302	5.02071	Oversupply
5/7/2024 13:15	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 13:16	0:10	KWPPI	0.38885	11.58327	Oversupply
5/7/2024 13:25	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 13:50	0:01	KWPPI	0.00633	3.51280	Oversupply
5/7/2024 13:52	0:46	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 13:52	0:15	KWPPI	0.53333	3.48486	Oversupply
5/7/2024 13:55	0:07	AWE	0.17246	21.00000	Oversupply
5/7/2024 14:08	0:30	KWPPI	3.03506	10.19112	Oversupply
5/7/2024 14:10	0:08	AWE	0.13646	21.00000	Oversupply
5/7/2024 14:19	0:04	AWE	0.15042	20.50000	Oversupply
5/7/2024 14:24	0:01	AWE	0.00690	18.30000	Oversupply
5/7/2024 14:50	0:29	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 14:50	0:13	KWPPI	0.56400	8.53551	Oversupply
5/7/2024 14:54	0:01	AWE	0.00145	20.20000	Oversupply
5/7/2024 15:04	0:08	KWPPI	0.20406	7.99961	Oversupply
5/7/2024 15:13	0:01	KWPPI	0.01374	6.93280	Oversupply
5/7/2024 15:15	0:05	KWPPI	0.11862	8.47963	Oversupply
5/7/2024 15:23	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 15:24	0:03	KWPPI	0.09454	7.11243	Oversupply
5/7/2024 15:35	0:13	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 15:36	0:04	KWPPI	0.09698	6.53960	Oversupply
5/7/2024 15:42	0:07	KWPPI	0.20148	7.65831	Oversupply
5/7/2024 15:49	0:19	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 15:50	0:18	KWPPI	0.94801	9.78695	Oversupply
5/7/2024 16:11	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:12	0:01	KWPPI	0.01035	8.62932	Oversupply
5/7/2024 16:13	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:14	0:01	KWPPI	0.00391	9.04547	Oversupply
5/7/2024 16:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:16	0:01	KWPPI	0.01843	9.45762	Oversupply
5/7/2024 16:19	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:20	0:04	KWPPI	0.08796	9.07740	Oversupply
5/7/2024 16:30	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:31	0:01	KWPPI	0.03182	11.38168	Oversupply
5/7/2024 16:33	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:33	0:01	KWPPI	0.00559	9.07141	Oversupply
5/7/2024 16:52	0:10	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 16:52	0:19	KWPPI	0.68321	12.39061	Oversupply
5/7/2024 16:52	0:19	17-2	0.11028	0.48300	Oversupply
5/7/2024 17:03	0:08	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 17:13	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 17:13	0:03	KWPPI	0.07349	11.80581	Oversupply
5/7/2024 17:13	0:03	17-2	0.01118	0.27300	Oversupply
5/7/2024 17:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/7/2024 17:17	0:01	KWPPI	0.00022	12.07027	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/7/2024 17:17	0:01	17-2	0.00373	0.22400	Oversupply
5/8/2024 9:42	0:02	17-2	0.00812	0.74900	Oversupply
5/8/2024 9:54	0:03	17-2	0.00640	0.74900	Oversupply
5/8/2024 9:58	0:07	17-2	0.05267	0.75000	Oversupply
5/8/2024 10:01	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 10:32	0:01	17-2	0.00217	0.75000	Oversupply
5/8/2024 10:35	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 10:36	0:01	AWE	0.00437	10.70000	Oversupply
5/8/2024 10:36	0:05	17-2	0.05840	0.75000	Oversupply
5/8/2024 10:38	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 10:38	0:03	AWE	0.01380	10.50000	Oversupply
5/8/2024 11:48	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 11:48	0:03	17-2	0.02547	0.75000	Oversupply
5/8/2024 11:49	0:01	AWE	0.00887	11.70000	Oversupply
5/8/2024 11:52	0:01	17-2	0.01250	0.75000	Oversupply
5/8/2024 11:56	0:01	17-2	0.00047	0.75000	Oversupply
5/8/2024 12:22	0:01	AWE	0.00187	10.70000	Oversupply
5/8/2024 12:22	0:07	17-2	0.08750	0.75000	Oversupply
5/8/2024 12:23	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:24	0:02	AWE	0.02992	10.50000	Oversupply
5/8/2024 12:25	0:08	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:27	0:02	AWE	0.01439	10.50000	Oversupply
5/8/2024 12:30	0:03	AWE	0.05169	10.80000	Oversupply
5/8/2024 12:30	0:11	17-2	0.12876	0.75000	Oversupply
5/8/2024 12:35	0:01	AWE	0.00104	11.00000	Oversupply
5/8/2024 12:36	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:37	0:04	AWE	0.01715	10.50000	Oversupply
5/8/2024 12:38	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:41	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:42	0:01	AWE	0.00604	10.90000	Oversupply
5/8/2024 12:42	0:07	17-2	0.07861	0.75000	Oversupply
5/8/2024 12:44	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:46	0:01	AWE	0.01170	9.70000	Oversupply
5/8/2024 12:48	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:51	0:02	17-2	0.02500	0.75000	Oversupply
5/8/2024 12:54	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:54	0:03	AWE	0.01156	11.70000	Oversupply
5/8/2024 12:54	0:17	17-2	0.21110	0.75000	Oversupply
5/8/2024 12:58	0:21	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 12:58	0:05	AWE	0.04419	12.30000	Oversupply
5/8/2024 13:04	0:06	AWE	0.04757	11.10000	Oversupply
5/8/2024 13:07	0:02	KWPPI	0.00394	0.27643	Oversupply
5/8/2024 13:12	0:01	KWPPI	0.00058	0.10479	Oversupply
5/8/2024 13:12	0:24	17-2	0.30000	0.75000	Oversupply
5/8/2024 13:13	0:02	AWE	0.00757	10.60000	Oversupply
5/8/2024 13:16	0:02	AWE	0.01502	10.30000	Oversupply
5/8/2024 13:19	0:01	KWPPI	0.00166	0.22953	Oversupply
5/8/2024 13:19	0:01	AWE	0.00137	9.40000	Oversupply
5/8/2024 13:20	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 13:21	0:01	AWE	0.00353	9.20000	Oversupply
5/8/2024 13:23	0:02	AWE	0.00473	9.80000	Oversupply
5/8/2024 13:27	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 13:28	0:05	AWE	0.03642	10.70000	Oversupply
5/8/2024 13:33	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/8/2024 13:34	0:02	AWE	0.00957	10.90000	Oversupply
5/8/2024 13:37	0:01	AWE	0.00254	10.70000	Oversupply
5/8/2024 13:37	0:02	17-2	0.01630	0.75000	Oversupply
5/8/2024 14:25	0:01	KWPPI	0.00066	0.05988	Oversupply
5/8/2024 19:15	0:09	KWPPI	0.35096	8.38183	Oversupply
5/8/2024 19:26	0:01	KWPPI	0.03161	9.84483	Oversupply
5/9/2024 7:49	0:01	AWE	0.00639	17.70000	Oversupply
5/9/2024 7:51	1:05	AWE	8.59683	21.00000	Oversupply
5/11/2024 10:52	0:06	17-2	0.03542	0.75000	Oversupply
5/11/2024 10:55	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 10:55	0:01	AWE	0.00302	0.70000	Oversupply
5/11/2024 11:52	0:08	17-2	0.08192	0.75000	Oversupply
5/11/2024 11:53	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 11:54	0:01	5A	Data is not available	Data is not available	Oversupply
5/11/2024 11:54	0:06	AWE	0.05417	0.90000	Oversupply
5/11/2024 11:56	0:03	5A	Data is not available	Data is not available	Oversupply
5/11/2024 12:34	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 12:35	0:01	17-2	0.00498	0.29900	Oversupply
5/11/2024 12:40	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 12:41	0:03	AWE	0.01726	1.30000	Oversupply
5/11/2024 12:41	0:03	17-2	0.01922	0.44300	Oversupply
5/11/2024 12:45	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 12:46	0:03	5A	Data is not available	Data is not available	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/11/2024 12:46	0:04	AWE	0.04061	1.30000	Oversupply
5/11/2024 12:46	0:11	17-2	0.10365	0.75000	Oversupply
5/11/2024 12:51	0:01	AWE	0.00377	0.90000	Oversupply
5/11/2024 12:53	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 12:53	0:03	AWE	0.02679	1.90000	Oversupply
5/11/2024 13:34	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 13:34	0:05	AWE	0.05138	3.30000	Oversupply
5/11/2024 13:34	0:06	17-2	0.02799	0.32000	Oversupply
5/11/2024 13:38	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/11/2024 13:41	0:02	AWE	0.00721	2.90000	Oversupply
5/11/2024 13:41	0:03	17-2	0.02278	0.49800	Oversupply
5/11/2024 13:45	0:01	17-2	0.00115	0.75000	Oversupply
5/12/2024 7:42	0:03	17-2	0.00945	0.28900	Oversupply
5/12/2024 7:43	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 7:44	0:01	KWP/II	0.00119	1.97096	Oversupply
5/12/2024 8:59	0:02	17-2	0.00415	0.59400	Oversupply
5/12/2024 9:23	0:01	17-2	0.00481	0.68100	Oversupply
5/12/2024 9:24	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:26	0:01	17-2	0.00249	0.69200	Oversupply
5/12/2024 9:27	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:28	0:03	AWE	0.01747	18.30000	Oversupply
5/12/2024 9:28	0:04	17-2	0.03623	0.70300	Oversupply
5/12/2024 9:31	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:33	0:01	17-2	0.00425	0.71400	Oversupply
5/12/2024 9:36	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:36	2:54	17-2	2.00452	0.75000	Oversupply
5/12/2024 9:37	0:02	AWE	0.00903	16.20000	Oversupply
5/12/2024 9:40	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:41	0:08	AWE	0.08337	15.80000	Oversupply
5/12/2024 9:47	2:42	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 9:51	2:04	AWE	10.97027	19.50000	Oversupply
5/12/2024 10:08	0:02	KWP/II	0.00582	0.26446	Oversupply
5/12/2024 10:15	0:02	KWP/II	0.00042	0.01996	Oversupply
5/12/2024 10:28	0:03	KWP/II	0.00983	0.33531	Oversupply
5/12/2024 10:36	0:02	KWP/II	0.00627	0.28442	Oversupply
5/12/2024 10:47	0:04	KWP/II	0.01803	0.46804	Oversupply
5/12/2024 10:54	0:08	KWP/II	0.01821	0.25248	Oversupply
5/12/2024 11:03	0:16	KWP/II	0.07012	0.60576	Oversupply
5/12/2024 11:20	1:10	KWP/II	0.64666	1.29834	Oversupply
5/12/2024 11:56	0:31	AWE	0.71980	12.10000	Oversupply
5/12/2024 13:11	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 13:11	0:01	17-2	0.00296	0.25900	Oversupply
5/12/2024 13:31	0:14	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 13:31	0:09	AWE	0.26981	11.70000	Oversupply
5/12/2024 13:31	0:16	17-2	0.16488	0.75000	Oversupply
5/12/2024 13:42	0:04	KWP/II	0.01694	0.49099	Oversupply
5/12/2024 13:42	0:03	AWE	0.03066	12.10000	Oversupply
5/12/2024 14:04	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 14:04	0:04	17-2	0.02082	0.34500	Oversupply
5/12/2024 14:05	0:01	KWP/II	0.01652	1.42109	Oversupply
5/12/2024 14:05	0:01	AWE	0.01020	20.70000	Oversupply
5/12/2024 14:07	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 14:11	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/12/2024 14:11	0:02	17-2	0.01207	0.51600	Oversupply
5/12/2024 14:12	0:01	KWP/II	0.01008	1.02490	Oversupply
5/14/2024 14:13	0:08	5A	Data is not available	Data is not available	Oversupply
5/14/2024 14:13	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/14/2024 14:13	0:09	AWE	0.58731	5.40000	Oversupply
5/14/2024 14:16	0:02	KWP/II	0.00179	0.90714	Oversupply
5/14/2024 14:19	0:03	17-2	0.01195	0.26100	Oversupply
5/14/2024 14:20	0:01	KWP/II	0.00181	0.64867	Oversupply
5/16/2024 1:46	0:01	KWP/II	0.00047	0.02794	Oversupply
5/16/2024 8:58	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 8:59	0:03	17-2	0.00838	0.18100	Oversupply
5/16/2024 9:00	0:02	KWP/II	0.00776	12.69200	Oversupply
5/16/2024 9:53	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 9:54	0:54	17-2	0.53168	0.75000	Oversupply
5/16/2024 9:55	0:01	KWP/II	0.00691	10.05240	Oversupply
5/16/2024 9:57	0:50	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 9:58	0:50	KWP/II	3.43957	10.13124	Oversupply
5/16/2024 10:11	0:11	KWP	0.12259	13.52000	Oversupply
5/16/2024 10:12	0:06	5A	Data is not available	Data is not available	Oversupply
5/16/2024 10:21	0:01	5A	Data is not available	Data is not available	Oversupply
5/16/2024 10:26	0:01	KWP	0.00165	12.40000	Oversupply
5/16/2024 10:27	0:04	5A	Data is not available	Data is not available	Oversupply
5/16/2024 10:28	0:01	KWP	0.00614	13.52000	Oversupply
5/16/2024 10:30	0:01	KWP	0.00371	11.76000	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/16/2024 10:32	0:01	KWP	0.00597	11.44000	Oversupply
5/16/2024 10:33	0:01	5A	Data is not available	Data is not available	Oversupply
5/16/2024 10:49	0:01	KWP	0.00074	8.41875	Oversupply
5/16/2024 10:49	0:06	17-2	0.04837	0.75000	Oversupply
5/16/2024 10:50	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 10:51	0:04	KWP	0.10943	8.51156	Oversupply
5/16/2024 10:56	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 10:56	0:04	17-2	0.02653	0.63700	Oversupply
5/16/2024 10:57	0:02	KWP	0.02841	8.69918	Oversupply
5/16/2024 11:01	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 11:48	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 11:48	0:01	KWP	0.00071	5.70132	Oversupply
5/16/2024 11:48	0:09	17-2	0.10929	0.75000	Oversupply
5/16/2024 11:51	0:01	KWP	0.00313	5.53666	Oversupply
5/16/2024 11:53	0:01	KWP	0.00171	6.74119	Oversupply
5/16/2024 11:55	0:02	KWP	0.03164	7.02062	Oversupply
5/16/2024 12:05	0:16	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 12:05	0:32	17-2	0.37382	0.75000	Oversupply
5/16/2024 12:06	0:02	KWP	0.03051	7.67827	Oversupply
5/16/2024 12:08	0:01	AWE	0.00167	0.10000	Oversupply
5/16/2024 12:09	0:26	KWP	0.81113	6.46276	Oversupply
5/16/2024 12:23	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 12:26	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 12:31	0:01	AWE	0.00167	0.10000	Oversupply
5/16/2024 12:39	0:01	17-2	0.01175	0.75000	Oversupply
5/16/2024 13:21	0:45	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 13:21	0:08	KWP	0.24782	7.57947	Oversupply
5/16/2024 13:21	0:45	17-2	0.44767	0.75000	Oversupply
5/16/2024 13:31	0:35	KWP	1.59887	9.34585	Oversupply
5/16/2024 15:07	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 15:07	0:05	KWP	0.09809	10.78291	Oversupply
5/16/2024 15:07	0:05	17-2	0.03305	0.51800	Oversupply
5/16/2024 15:13	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/16/2024 15:13	0:01	KWP	0.00106	10.05141	Oversupply
5/16/2024 15:13	0:02	17-2	0.00670	0.28800	Oversupply
5/17/2024 10:40	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 10:40	0:01	AWE	0.00054	12.40000	Oversupply
5/17/2024 10:40	0:08	17-2	0.09357	0.75000	Oversupply
5/17/2024 10:43	0:04	KWP	0.03475	0.84227	Oversupply
5/17/2024 10:43	0:05	AWE	0.03754	12.00000	Oversupply
5/17/2024 10:50	0:06	17-2	0.07225	0.75000	Oversupply
5/17/2024 10:51	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 10:51	0:05	AWE	0.08191	13.50000	Oversupply
5/17/2024 10:57	0:15	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 10:57	0:17	17-2	0.18226	0.75000	Oversupply
5/17/2024 10:59	0:13	AWE	0.53657	15.20000	Oversupply
5/17/2024 11:14	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 11:15	0:37	AWE	3.56677	19.70000	Oversupply
5/17/2024 11:15	1:05	17-2	0.80358	0.75000	Oversupply
5/17/2024 11:19	0:33	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 11:53	0:26	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 11:53	0:26	AWE	1.73216	21.00000	Oversupply
5/17/2024 12:21	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 12:21	0:03	17-2	0.03570	0.75000	Oversupply
5/17/2024 12:23	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 12:23	0:01	AWE	0.00653	21.00000	Oversupply
5/17/2024 12:27	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 12:27	0:05	17-2	0.05196	0.75000	Oversupply
5/17/2024 12:28	0:03	AWE	0.02464	21.00000	Oversupply
5/17/2024 12:37	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 12:37	0:01	17-2	0.01250	0.75000	Oversupply
5/17/2024 12:47	0:02	17-2	0.00731	0.75000	Oversupply
5/17/2024 12:57	0:01	17-2	0.00229	0.75000	Oversupply
5/17/2024 13:46	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 13:46	0:01	KWP	0.00319	0.36126	Oversupply
5/17/2024 13:46	0:05	17-2	0.06217	0.74600	Oversupply
5/17/2024 13:49	0:01	KWP	0.00750	0.45008	Oversupply
5/17/2024 13:49	0:01	AWE	0.01611	21.00000	Oversupply
5/17/2024 13:53	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 13:54	0:04	KWP	0.03056	0.72551	Oversupply
5/17/2024 13:54	0:04	AWE	0.03068	21.00000	Oversupply
5/17/2024 13:54	0:04	17-2	0.04773	0.75000	Oversupply
5/17/2024 14:03	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 14:03	0:01	17-2	0.00330	0.75000	Oversupply
5/17/2024 14:05	0:01	KWP	0.00454	0.79737	Oversupply
5/17/2024 14:05	0:01	17-2	0.01250	0.75000	Oversupply
5/17/2024 14:06	0:01	BS 250	Data is not available	Data is not available	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/17/2024 14:15	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 14:15	0:04	17-2	0.04527	0.75000	Oversupply
5/17/2024 14:16	0:01	KWPPI	0.00012	0.22155	Oversupply
5/17/2024 14:16	0:03	AWE	0.10024	21.00000	Oversupply
5/17/2024 14:18	0:01	KWPPI	0.00054	0.24649	Oversupply
5/17/2024 14:27	0:56	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 14:27	0:39	17-2	0.39221	0.75000	Oversupply
5/17/2024 14:28	0:37	AWE	4.69236	21.00000	Oversupply
5/17/2024 14:31	0:01	KWPPI	0.00113	0.24749	Oversupply
5/17/2024 14:36	0:30	KWPPI	0.20361	0.70555	Oversupply
5/17/2024 15:07	0:16	KWPPI	0.19185	1.31131	Oversupply
5/17/2024 15:07	0:15	AWE	1.46718	21.00000	Oversupply
5/17/2024 15:07	0:16	17-2	0.16802	0.74700	Oversupply
5/17/2024 15:41	0:01	17-2	0.00037	0.61200	Oversupply
5/17/2024 16:23	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 16:23	0:01	AWE	0.03325	20.30000	Oversupply
5/17/2024 16:23	0:02	KWPPI	0.00776	0.41515	Oversupply
5/17/2024 16:23	0:06	17-2	0.03837	0.51100	Oversupply
5/17/2024 16:26	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 16:26	0:01	AWE	0.00812	20.70000	Oversupply
5/17/2024 16:26	0:03	KWPPI	0.02836	0.78739	Oversupply
5/17/2024 16:29	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 16:30	0:03	17-2	0.01429	0.34100	Oversupply
5/17/2024 16:31	0:01	AWE	0.00003	17.80000	Oversupply
5/17/2024 16:31	0:02	KWPPI	0.01181	0.46904	Oversupply
5/17/2024 16:32	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/17/2024 22:57	0:03	AWE	0.04958	21.00000	Oversupply
5/18/2024 6:25	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 6:26	0:03	KWPPI	0.02386	2.81224	Oversupply
5/18/2024 6:26	0:28	17-2	0.02787	0.11300	Oversupply
5/18/2024 6:29	0:23	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 6:30	0:24	KWPPI	0.50058	3.54773	Oversupply
5/18/2024 6:53	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 6:55	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 6:55	0:01	17-2	0.00188	0.11300	Oversupply
5/18/2024 6:57	0:01	KWPPI	0.00929	2.87710	Oversupply
5/18/2024 6:57	0:01	17-2	0.00188	0.11300	Oversupply
5/18/2024 6:58	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 6:59	0:03	KWPPI	0.00851	3.36311	Oversupply
5/18/2024 6:59	0:03	17-2	0.00687	0.15100	Oversupply
5/18/2024 10:02	0:16	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 10:02	0:17	AWE	0.71497	18.60000	Oversupply
5/18/2024 10:02	0:17	17-2	0.09078	0.72800	Oversupply
5/18/2024 10:20	0:01	AWE	0.00750	14.30000	Oversupply
5/18/2024 10:20	0:21	17-2	0.16096	0.75000	Oversupply
5/18/2024 10:21	0:19	BS 250	Data is not available	Data is not available	Oversupply
5/18/2024 10:22	0:14	AWE	0.56108	14.00000	Oversupply
5/18/2024 10:37	0:04	AWE	0.05941	14.50000	Oversupply
5/18/2024 13:17	0:02	AWE	0.01121	13.20000	Oversupply
5/18/2024 13:17	0:02	17-2	0.01173	0.36400	Oversupply
5/18/2024 20:14	2:17	KWPPI	21.25415	14.99627	Oversupply
5/18/2024 20:53	0:01	AWE	0.00182	20.20000	Oversupply
5/18/2024 20:56	0:01	AWE	0.00385	20.30000	Oversupply
5/18/2024 21:20	0:24	AWE	1.35660	19.50000	Oversupply
5/18/2024 22:32	0:03	KWPPI	0.03278	12.91454	Oversupply
5/18/2024 23:19	0:12	KWPPI	0.83284	10.96653	Oversupply
5/19/2024 7:55	0:01	KWPPI	0.00053	0.03193	Oversupply
5/19/2024 9:27	0:01	17-2	0.00033	0.22600	Oversupply
5/19/2024 9:32	1:03	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 9:32	1:09	17-2	0.28177	0.35000	Oversupply
5/19/2024 9:33	1:02	AWE	2.98914	20.10000	Oversupply
5/19/2024 10:36	0:02	AWE	0.00478	18.90000	Oversupply
5/19/2024 10:38	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 10:39	0:02	AWE	0.00767	19.30000	Oversupply
5/19/2024 10:41	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 10:42	0:01	KWPPI	0.00205	0.12275	Oversupply
5/19/2024 10:42	0:01	AWE	0.01229	18.90000	Oversupply
5/19/2024 10:42	1:08	17-2	0.40086	0.43700	Oversupply
5/19/2024 10:43	1:09	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 10:44	0:03	AWE	0.03250	19.10000	Oversupply
5/19/2024 10:44	1:04	KWPPI	1.25831	2.76234	Oversupply
5/19/2024 10:48	0:45	AWE	2.38034	18.20000	Oversupply
5/19/2024 11:36	0:11	AWE	0.22142	16.40000	Oversupply
5/19/2024 11:49	0:01	KWPPI	0.00065	0.42613	Oversupply
5/19/2024 11:51	0:01	17-2	0.00437	0.28800	Oversupply
5/19/2024 11:57	0:02	17-2	0.00600	0.27600	Oversupply
5/19/2024 11:58	0:01	KWPPI	0.00215	0.12874	Oversupply





**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/19/2024 12:01	0:01	17-2	0.00311	0.27600	Oversupply
5/19/2024 13:22	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 13:22	0:02	17-2	0.00661	0.22300	Oversupply
5/19/2024 13:23	0:01	KWPPII	0.00970	8.33293	Oversupply
5/19/2024 13:26	0:01	17-2	0.00372	0.22300	Oversupply
5/19/2024 13:27	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/19/2024 13:29	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 7:30	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 7:31	0:02	17-2	0.00559	0.24500	Oversupply
5/20/2024 7:32	0:01	AWE	0.00196	20.50000	Oversupply
5/20/2024 9:22	0:01	17-2	0.00436	0.75000	Oversupply
5/20/2024 9:24	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 9:24	0:02	17-2	0.00652	0.25100	Oversupply
5/20/2024 9:25	0:01	KWPPII	0.00205	1.68255	Oversupply
5/20/2024 9:29	0:01	17-2	0.00189	0.23100	Oversupply
5/20/2024 12:01	0:03	17-2	0.02315	0.71300	Oversupply
5/20/2024 12:02	0:01	KWPPII	0.00039	2.92301	Oversupply
5/20/2024 12:06	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 12:07	0:04	KWPPII	0.01028	3.18747	Oversupply
5/20/2024 12:07	0:06	17-2	0.04875	0.75000	Oversupply
5/20/2024 12:13	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 12:15	0:02	17-2	0.01284	0.75000	Oversupply
5/20/2024 12:19	0:01	17-2	0.00296	0.75000	Oversupply
5/20/2024 12:32	0:14	BS 250	Data is not available	Data is not available	Oversupply
5/20/2024 12:32	0:15	17-2	0.15872	0.75000	Oversupply
5/20/2024 12:33	0:14	KWPPII	0.37758	3.36810	Oversupply
5/20/2024 22:53	0:15	KWPPII	0.64969	11.64913	Oversupply
5/20/2024 23:17	0:50	KWPPII	6.04140	16.66885	Oversupply
5/21/2024 3:32	0:01	AWE	0.00761	15.60000	Oversupply
5/21/2024 4:08	0:03	KWPPII	0.01245	6.78410	Oversupply
5/21/2024 4:13	0:08	KWPPII	0.16855	5.34106	Oversupply
5/21/2024 4:16	0:02	AWE	0.02015	16.10000	Oversupply
5/21/2024 4:19	0:02	AWE	0.03034	15.50000	Oversupply
5/21/2024 4:22	0:04	AWE	0.03398	14.60000	Oversupply
5/21/2024 4:22	0:17	KWPPII	0.66532	4.45188	Oversupply
5/21/2024 4:27	0:01	AWE	0.01919	15.40000	Oversupply
5/21/2024 4:29	0:01	AWE	0.00681	16.60000	Oversupply
5/21/2024 4:31	0:01	AWE	0.00197	17.20000	Oversupply
5/21/2024 4:33	0:05	AWE	0.03441	19.40000	Oversupply
5/21/2024 4:40	0:02	KWPPII	0.00373	0.14071	Oversupply
5/21/2024 4:40	0:03	AWE	0.01511	20.00000	Oversupply
5/21/2024 4:44	0:01	AWE	0.00641	20.10000	Oversupply
5/21/2024 4:46	0:03	AWE	0.01146	18.40000	Oversupply
5/21/2024 4:48	0:01	KWPPII	0.00018	0.01098	Oversupply
5/21/2024 4:55	0:01	KWPPII	0.00215	1.14465	Oversupply
5/21/2024 8:55	0:01	AWE	0.00354	18.10000	Oversupply
5/21/2024 8:55	0:06	17-2	0.01922	0.22900	Oversupply
5/21/2024 8:57	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 8:57	0:04	AWE	0.01498	18.20000	Oversupply
5/21/2024 9:04	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 9:05	0:01	17-2	0.00004	0.22200	Oversupply
5/21/2024 9:26	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 9:26	0:05	17-2	0.02402	0.47300	Oversupply
5/21/2024 9:27	0:04	AWE	0.02650	19.00000	Oversupply
5/21/2024 10:05	0:01	17-2	0.00054	0.22500	Oversupply
5/21/2024 10:07	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:08	0:02	KWPPII	0.00526	0.27943	Oversupply
5/21/2024 10:08	0:02	AWE	0.02388	17.00000	Oversupply
5/21/2024 10:08	0:02	17-2	0.00410	0.12300	Oversupply
5/21/2024 10:19	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:19	0:07	AWE	0.10540	17.40000	Oversupply
5/21/2024 10:19	0:09	17-2	0.01942	0.17800	Oversupply
5/21/2024 10:27	0:01	AWE	0.00538	17.00000	Oversupply
5/21/2024 10:29	0:12	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:30	0:11	AWE	0.21023	16.80000	Oversupply
5/21/2024 10:30	0:11	17-2	0.06118	0.74300	Oversupply
5/21/2024 10:42	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:42	0:03	AWE	0.02127	16.40000	Oversupply
5/21/2024 10:42	0:05	17-2	0.04448	0.75000	Oversupply
5/21/2024 10:46	0:01	AWE	0.00627	17.00000	Oversupply
5/21/2024 10:49	0:07	17-2	0.03469	0.75000	Oversupply
5/21/2024 10:50	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:50	0:01	AWE	0.00970	18.50000	Oversupply
5/21/2024 10:52	0:01	AWE	0.00742	18.10000	Oversupply
5/21/2024 10:54	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 10:54	0:02	AWE	0.02092	17.80000	Oversupply
5/21/2024 11:05	0:01	BS 250	Data is not available	Data is not available	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/21/2024 11:05	1:21	17-2	0.67187	0.75000	Oversupply
5/21/2024 11:06	0:01	AWE	0.00882	17.00000	Oversupply
5/21/2024 11:07	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:09	0:01	AWE	0.00432	16.70000	Oversupply
5/21/2024 11:10	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:12	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:12	0:10	AWE	0.16816	18.20000	Oversupply
5/21/2024 11:23	0:13	AWE	0.25832	16.90000	Oversupply
5/21/2024 11:24	0:23	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:37	0:11	AWE	0.39602	18.90000	Oversupply
5/21/2024 11:49	0:05	AWE	0.04318	19.80000	Oversupply
5/21/2024 11:50	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:55	0:01	AWE	0.00493	19.20000	Oversupply
5/21/2024 11:57	0:15	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 11:58	0:13	AWE	0.28035	20.80000	Oversupply
5/21/2024 12:12	0:08	AWE	0.12184	18.60000	Oversupply
5/21/2024 12:13	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 12:21	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 12:21	0:05	AWE	0.07430	19.10000	Oversupply
5/21/2024 12:29	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 12:29	0:06	17-2	0.05133	0.75000	Oversupply
5/21/2024 12:30	0:05	AWE	0.09655	19.90000	Oversupply
5/21/2024 13:45	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 13:47	0:01	17-2	0.00557	0.33400	Oversupply
5/21/2024 13:49	1:01	BS 250	Data is not available	Data is not available	Oversupply
5/21/2024 13:49	0:26	AWE	1.68446	20.90000	Oversupply
5/21/2024 13:49	1:02	17-2	0.53038	0.75000	Oversupply
5/21/2024 14:16	0:35	AWE	2.15685	21.00000	Oversupply
5/21/2024 14:52	0:01	17-2	0.00107	0.29200	Oversupply
5/21/2024 14:54	0:01	17-2	0.00234	0.30300	Oversupply
5/22/2024 9:07	0:01	17-2	0.00202	0.58400	Oversupply
5/22/2024 9:16	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 9:16	0:01	17-2	0.00189	0.31400	Oversupply
5/22/2024 9:18	0:08	17-2	0.05504	0.75000	Oversupply
5/22/2024 9:46	0:01	17-2	0.00057	0.74500	Oversupply
5/22/2024 9:54	0:02	17-2	0.00259	0.75000	Oversupply
5/22/2024 10:20	0:02	17-2	0.00195	0.75000	Oversupply
5/22/2024 10:23	0:09	17-2	0.10585	0.75000	Oversupply
5/22/2024 10:24	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 10:24	0:08	AWE	0.34821	21.00000	Oversupply
5/22/2024 10:33	0:08	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 10:34	0:07	AWE	0.08971	21.00000	Oversupply
5/22/2024 10:34	0:10	17-2	0.11136	0.75000	Oversupply
5/22/2024 10:44	0:26	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 10:45	0:24	AWE	1.57371	21.00000	Oversupply
5/22/2024 10:45	0:34	17-2	0.42216	0.75000	Oversupply
5/22/2024 11:10	0:04	AWE	0.05575	19.10000	Oversupply
5/22/2024 11:11	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:14	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:15	0:03	AWE	0.09575	21.00000	Oversupply
5/22/2024 11:35	0:03	17-2	0.02453	0.75000	Oversupply
5/22/2024 11:36	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:41	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:41	0:36	17-2	0.44551	0.75000	Oversupply
5/22/2024 11:42	0:35	AWE	0.30142	21.00000	Oversupply
5/22/2024 11:44	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:47	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:50	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:53	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:56	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 11:59	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:02	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:05	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:08	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:18	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:26	0:04	17-2	0.03188	0.75000	Oversupply
5/22/2024 12:28	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:28	0:01	AWE	0.01238	21.00000	Oversupply
5/22/2024 12:40	1:03	17-2	0.78290	0.75000	Oversupply
5/22/2024 12:41	1:03	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 12:42	1:01	AWE	5.75741	21.00000	Oversupply
5/22/2024 13:31	0:12	KWPIL	0.18907	1.59274	Oversupply
5/22/2024 13:44	0:02	17-2	0.01103	0.75000	Oversupply
5/22/2024 13:48	0:05	17-2	0.03601	0.75000	Oversupply
5/22/2024 14:33	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/22/2024 14:33	0:04	17-2	0.05000	0.75000	Oversupply
5/22/2024 14:34	0:03	KWPIL	0.03426	2.21047	Oversupply



Maui Curtailment Report

May 2024

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/23/2024 9:30	0:09	KWP	0.00000	0.00000	Oversupply
5/23/2024 9:43	0:03	KWP	0.00000	0.00000	Oversupply
5/23/2024 9:52	0:01	KWP	0.00000	0.00000	Oversupply
5/23/2024 10:07	0:20	KWP	0.43333	2.00000	Oversupply
5/23/2024 10:31	0:04	KWP	0.00000	0.00000	Oversupply
5/23/2024 10:38	0:11	KWP	0.00000	0.00000	Oversupply
5/23/2024 11:07	0:22	KWP	0.13333	2.00000	Oversupply
5/23/2024 11:33	0:04	KWP	0.00000	0.00000	Oversupply
5/23/2024 11:38	0:16	KWP	0.00000	0.00000	Oversupply
5/23/2024 11:56	0:03	KWP	0.00000	0.00000	Oversupply
5/23/2024 12:00	0:26	KWP	0.06667	2.00000	Oversupply
5/23/2024 12:39	0:04	KWP	0.00000	0.00000	Oversupply
5/23/2024 12:44	0:06	KWP	0.00000	0.00000	Oversupply
5/23/2024 12:57	0:10	KWP	0.00000	0.00000	Oversupply
5/23/2024 13:10	0:05	KWP	0.00000	0.00000	Oversupply
5/23/2024 13:21	0:05	KWP	0.00000	0.00000	Oversupply
5/23/2024 13:37	1:28	KWP	0.16524	0.14492	Oversupply
5/23/2024 15:06	1:54	KWP	0.24869	0.15027	Oversupply
5/23/2024 17:01	1:01	KWP	0.13051	0.14169	Oversupply
5/23/2024 18:03	0:15	KWP	0.03131	0.14346	Oversupply
5/23/2024 18:19	0:28	KWP	0.05971	0.13753	Oversupply
5/23/2024 18:48	1:58	KWP	0.26085	0.15952	Oversupply
5/23/2024 20:47	1:17	KWP	0.17784	0.16756	Oversupply
5/23/2024 22:05	5:05	KWP	0.70910	0.16598	Oversupply
5/24/2024 1:28	0:03	KWP/II	0.04281	17.25864	Oversupply
5/24/2024 2:59	0:02	KWP/II	0.02756	18.26857	Oversupply
5/24/2024 3:03	0:01	KWP/II	0.02494	19.25255	Oversupply
5/24/2024 3:06	0:01	KWP/II	0.00209	18.03205	Oversupply
5/24/2024 3:11	0:51	KWP	0.11913	0.15537	Oversupply
5/24/2024 4:03	0:19	KWP	0.04576	0.17329	Oversupply
5/24/2024 4:23	0:41	KWP	0.09663	0.17268	Oversupply
5/24/2024 4:49	0:03	KWP/II	0.03365	8.99058	Oversupply
5/24/2024 4:53	0:01	KWP/II	0.00383	9.39775	Oversupply
5/24/2024 5:05	1:23	KWP	0.19435	0.16109	Oversupply
5/24/2024 6:29	1:25	KWP	0.20064	0.15945	Oversupply
5/24/2024 7:56	0:16	KWP	0.03729	0.14725	Oversupply
5/24/2024 8:13	0:34	KWP	0.08194	0.16350	Oversupply
5/24/2024 8:48	0:17	KWP	0.03881	0.14226	Oversupply
5/24/2024 9:06	5:53	KWP	0.85812	0.18200	Oversupply
5/24/2024 9:13	0:01	17-2	0.00171	0.31700	Oversupply
5/24/2024 9:17	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/24/2024 9:18	0:01	17-2	0.00880	0.52800	Oversupply
5/24/2024 9:24	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/24/2024 9:25	0:04	KWP/II	0.07539	14.29970	Oversupply
5/24/2024 9:25	0:06	17-2	0.02796	0.75000	Oversupply
5/24/2024 9:32	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/24/2024 9:33	0:01	KWP/II	0.01318	12.68800	Oversupply
5/24/2024 9:33	0:01	17-2	0.00560	0.33600	Oversupply
5/24/2024 9:35	0:01	17-2	0.00543	0.32600	Oversupply
5/24/2024 9:37	4:50	BS 250	Data is not available	Data is not available	Oversupply
5/24/2024 9:37	4:51	17-2	2.38802	0.75000	Oversupply
5/24/2024 9:38	4:50	KWP/II	27.28299	16.18284	Oversupply
5/24/2024 10:33	0:01	AWE	0.00006	20.20000	Oversupply
5/24/2024 10:35	0:02	AWE	0.01268	20.20000	Oversupply
5/24/2024 10:38	0:06	AWE	0.11617	20.20000	Oversupply
5/24/2024 10:47	0:02	AWE	0.00347	20.60000	Oversupply
5/24/2024 10:51	0:35	AWE	1.87752	20.20000	Oversupply
5/24/2024 11:40	0:22	AWE	0.69859	20.70000	Oversupply
5/24/2024 12:03	0:01	AWE	0.00275	20.40000	Oversupply
5/24/2024 12:07	0:01	AWE	0.00288	20.50000	Oversupply
5/24/2024 12:09	0:02	AWE	0.00124	19.90000	Oversupply
5/24/2024 12:12	0:31	AWE	1.35945	21.00000	Oversupply
5/24/2024 12:46	0:19	AWE	0.79357	21.00000	Oversupply
5/24/2024 13:06	0:04	AWE	0.08617	21.00000	Oversupply
5/24/2024 13:13	0:04	AWE	0.06156	21.00000	Oversupply
5/24/2024 13:19	0:42	AWE	0.91852	21.00000	Oversupply
5/24/2024 14:03	0:03	AWE	0.05579	21.00000	Oversupply
5/24/2024 14:08	0:01	AWE	0.01154	21.00000	Oversupply
5/24/2024 14:12	0:03	AWE	0.02851	21.00000	Oversupply
5/24/2024 14:23	0:01	AWE	0.00707	21.00000	Oversupply
5/24/2024 15:00	0:15	KWP	0.03839	0.16041	Oversupply
5/24/2024 16:35	0:17	KWP	0.04252	0.16079	Oversupply
5/24/2024 20:40	0:01	KWP/II	0.00091	0.05489	Oversupply
5/24/2024 22:14	0:40	KWP/II	5.68604	12.82173	Oversupply
5/24/2024 22:19	0:33	AWE	4.92900	21.00000	Oversupply
5/25/2024 6:55	0:10	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 6:56	0:08	KWP/II	0.24552	11.76789	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/25/2024 6:56	0:09	17-2	0.01260	0.12800	Oversupply
5/25/2024 7:24	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:31	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:31	0:04	17-2	0.01018	0.22300	Oversupply
5/25/2024 7:32	0:01	KWPPII	0.00606	10.60128	Oversupply
5/25/2024 7:33	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:34	0:01	KWPPII	0.00421	11.15015	Oversupply
5/25/2024 7:43	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:43	0:01	17-2	0.00338	0.20300	Oversupply
5/25/2024 7:53	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:53	0:02	17-2	0.00853	0.27000	Oversupply
5/25/2024 7:54	0:01	KWPPII	0.00209	9.18318	Oversupply
5/25/2024 7:58	0:11	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 7:58	0:12	17-2	0.06024	0.49300	Oversupply
5/25/2024 7:59	0:09	KWPPII	0.22111	10.56236	Oversupply
5/25/2024 8:14	0:27	17-2	0.18570	0.62700	Oversupply
5/25/2024 8:15	0:23	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 8:16	0:23	KWPPII	1.93217	12.94847	Oversupply
5/25/2024 9:15	2:35	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 9:15	4:38	17-2	3.35010	0.75000	Oversupply
5/25/2024 9:16	2:15	KWPPII	8.32913	11.36771	Oversupply
5/25/2024 9:26	0:02	AWE	0.02959	21.00000	Oversupply
5/25/2024 9:52	0:12	AWE	0.28489	21.00000	Oversupply
5/25/2024 10:09	1:35	AWE	6.17109	21.00000	Oversupply
5/25/2024 11:41	0:46	KWPPII	0.48484	2.91104	Oversupply
5/25/2024 11:51	1:51	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 12:00	1:30	AWE	5.81672	21.00000	Oversupply
5/25/2024 13:26	0:20	KWPPII	0.04103	0.45008	Oversupply
5/25/2024 13:31	0:07	AWE	0.10623	21.00000	Oversupply
5/25/2024 13:43	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 13:44	0:02	AWE	0.01135	21.00000	Oversupply
5/25/2024 13:49	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 13:51	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 13:51	0:01	KWPPII	0.00136	0.30737	Oversupply
5/25/2024 13:55	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 13:55	0:02	17-2	0.02383	0.75000	Oversupply
5/25/2024 14:03	0:09	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 14:03	0:07	KWPPII	0.09684	1.82526	Oversupply
5/25/2024 14:03	0:12	17-2	0.11731	0.75000	Oversupply
5/25/2024 14:05	0:04	AWE	0.07710	21.00000	Oversupply
5/25/2024 14:11	0:02	KWPPII	0.00642	0.32533	Oversupply
5/25/2024 14:17	0:04	17-2	0.04440	0.75000	Oversupply
5/25/2024 14:18	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 14:18	0:03	KWPPII	0.02590	2.07275	Oversupply
5/25/2024 14:22	0:16	BS 250	Data is not available	Data is not available	Oversupply
5/25/2024 14:22	0:16	KWPPII	0.25651	2.15359	Oversupply
5/25/2024 14:22	0:17	17-2	0.21222	0.75000	Oversupply
5/25/2024 14:25	0:01	AWE	0.00974	21.00000	Oversupply
5/25/2024 14:29	0:05	AWE	0.05066	21.00000	Oversupply
5/25/2024 14:35	0:01	AWE	0.00209	21.00000	Oversupply
5/25/2024 14:40	0:02	KWPPII	0.00766	1.63565	Oversupply
5/25/2024 14:40	0:03	17-2	0.03223	0.75000	Oversupply
5/25/2024 14:41	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 3:12	0:01	KWPPII	0.00254	11.22001	Oversupply
5/26/2024 7:48	0:01	17-2	0.00126	0.19500	Oversupply
5/26/2024 7:49	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 7:50	0:04	KWPPII	0.03089	9.09137	Oversupply
5/26/2024 7:50	0:05	17-2	0.01035	0.33200	Oversupply
5/26/2024 8:28	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 8:28	0:01	17-2	0.00350	0.21000	Oversupply
5/26/2024 8:30	0:01	KWPPII	0.00958	10.51246	Oversupply
5/26/2024 8:30	0:01	17-2	0.00852	0.51100	Oversupply
5/26/2024 8:33	0:02	17-2	0.00406	0.53600	Oversupply
5/26/2024 8:36	0:01	17-2	0.00659	0.50400	Oversupply
5/26/2024 8:39	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 8:40	0:01	KWPPII	0.01469	9.40972	Oversupply
5/26/2024 8:40	0:01	17-2	0.00883	0.53000	Oversupply
5/26/2024 8:42	0:12	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 8:43	0:11	17-2	0.09585	0.57700	Oversupply
5/26/2024 8:44	0:05	KWPPII	0.08762	8.65726	Oversupply
5/26/2024 8:50	0:04	KWPPII	0.09398	8.96663	Oversupply
5/26/2024 8:55	5:07	17-2	2.69258	0.75000	Oversupply
5/26/2024 8:56	4:15	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 8:57	4:14	KWPPII	21.32807	12.37165	Oversupply
5/26/2024 10:50	0:06	AWE	0.18625	21.00000	Oversupply
5/26/2024 10:58	0:01	AWE	0.00454	21.00000	Oversupply
5/26/2024 11:00	2:01	AWE	11.30168	21.00000	Oversupply



Maui Curtailment Report

May 2024

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/26/2024 13:02	0:04	AWE	0.05622	21.00000	Oversupply
5/26/2024 13:08	0:02	AWE	0.01730	21.00000	Oversupply
5/26/2024 13:12	0:28	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 13:13	0:04	KWP	0.02916	0.58780	Oversupply
5/26/2024 13:13	0:28	AWE	1.08261	21.00000	Oversupply
5/26/2024 13:18	0:02	KWP	0.00980	0.31735	Oversupply
5/26/2024 13:21	0:03	KWP	0.00326	0.08682	Oversupply
5/26/2024 13:41	0:19	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 13:42	0:11	AWE	0.18893	21.00000	Oversupply
5/26/2024 13:45	0:15	KWP	0.23102	1.55082	Oversupply
5/26/2024 14:04	0:01	17-2	0.00865	0.53400	Oversupply
5/26/2024 14:48	0:02	17-2	0.00401	0.21600	Oversupply
5/26/2024 14:49	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/26/2024 14:49	0:01	KWP	0.00258	1.67457	Oversupply
5/27/2024 9:46	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/27/2024 9:46	0:01	17-2	0.00600	0.36000	Oversupply
5/27/2024 10:21	0:10	BS 250	Data is not available	Data is not available	Oversupply
5/27/2024 10:22	0:09	KWP	0.20165	13.99133	Oversupply
5/27/2024 10:22	0:09	17-2	0.09697	0.75000	Oversupply
5/27/2024 10:33	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/27/2024 10:39	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/27/2024 10:39	0:04	KWP	0.06429	11.55932	Oversupply
5/27/2024 10:39	0:06	17-2	0.06690	0.75000	Oversupply
5/27/2024 10:46	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/27/2024 10:47	0:07	17-2	0.08111	0.75000	Oversupply
5/27/2024 10:48	0:05	KWP	0.11789	12.25090	Oversupply
5/28/2024 1:35	0:02	KWP	0.00886	13.30674	Oversupply
5/28/2024 1:47	0:01	KWP	0.00207	12.18304	Oversupply
5/28/2024 7:33	0:01	AWE	0.00205	21.00000	Oversupply
5/28/2024 7:33	0:01	17-2	0.00218	0.13100	Oversupply
5/28/2024 7:40	0:40	KWP	0.09677	0.16565	Oversupply
5/28/2024 9:05	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/28/2024 9:06	0:01	KWP	0.01575	3.61459	Oversupply
5/28/2024 9:06	0:01	AWE	0.07014	21.00000	System Constraint
5/28/2024 9:06	0:01	17-2	0.01067	0.64000	Oversupply
5/28/2024 9:08	0:48	KWP	2.34632	6.82302	System Constraint
5/28/2024 9:08	0:54	AWE	7.06667	21.00000	System Constraint
5/28/2024 9:57	0:05	KWP	0.00244	0.05289	System Constraint
5/28/2024 11:01	0:34	KWP	2.35600	6.50068	System Constraint
5/28/2024 11:08	0:01	KWP	0.00016	6.00986	System Constraint
5/28/2024 11:22	0:02	KWP	0.01241	6.39236	System Constraint
5/28/2024 11:26	0:01	KWP	0.00685	6.41112	System Constraint
5/28/2024 12:07	0:01	KWP	0.00002	0.01098	Oversupply
5/28/2024 16:57	0:01	KWP	0.00016	0.14831	Oversupply
5/28/2024 19:22	0:01	KWP	0.00002	0.12158	Oversupply
5/28/2024 21:47	0:01	KWP	0.00002	0.12812	Oversupply
5/28/2024 22:58	0:02	KWP	0.00011	0.13340	Oversupply
5/29/2024 3:49	0:01	KWP	0.00003	0.12950	Oversupply
5/29/2024 5:00	0:03	KWP	0.00014	0.14529	Oversupply
5/29/2024 6:12	0:01	KWP	0.00001	0.12565	Oversupply
5/29/2024 7:26	0:01	KWP	0.00000	0.12936	Oversupply
5/29/2024 10:07	1:26	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 10:07	0:02	AWE	0.15333	20.60000	Oversupply
5/29/2024 10:07	1:27	17-2	0.34302	0.75000	Oversupply
5/29/2024 10:08	1:26	KWP	6.31189	9.77896	Oversupply
5/29/2024 10:52	0:03	AWE	0.02000	20.60000	Oversupply
5/29/2024 10:56	0:01	AWE	0.00333	20.20000	Oversupply
5/29/2024 10:58	0:36	AWE	4.96979	21.00000	Oversupply
5/29/2024 11:42	0:28	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 11:42	0:23	KWP	0.71698	5.81808	Oversupply
5/29/2024 11:42	0:29	17-2	0.13628	0.49000	Oversupply
5/29/2024 12:06	0:04	KWP	0.04454	5.32409	Oversupply
5/29/2024 12:50	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 12:50	0:01	KWP	0.00091	4.06367	Oversupply
5/29/2024 12:50	0:01	17-2	0.01250	0.75000	Oversupply
5/29/2024 13:22	0:01	17-2	0.00391	0.54100	Oversupply
5/29/2024 13:26	0:01	17-2	0.00174	0.75000	Oversupply
5/29/2024 13:31	1:06	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 13:32	1:00	AWE	0.95064	21.00000	Oversupply
5/29/2024 13:32	1:05	KWP	1.88918	4.64548	Oversupply
5/29/2024 13:32	1:05	17-2	0.50782	0.75000	Oversupply
5/29/2024 13:40	0:02	KWP	0.01852	5.60788	System Constraint
5/29/2024 13:44	0:02	KWP	0.00257	5.09440	System Constraint
5/29/2024 13:47	0:04	KWP	0.02168	5.89609	System Constraint
5/29/2024 13:52	0:03	KWP	0.01262	5.31953	System Constraint
5/29/2024 13:58	0:21	KWP	0.08707	5.66664	System Constraint
5/29/2024 14:20	0:30	KWP	0.11308	5.43846	System Constraint



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/29/2024 14:39	0:56	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 14:39	0:57	KWP	3.73245	11.42160	Oversupply
5/29/2024 14:39	0:57	17-2	0.44285	0.75000	Oversupply
5/29/2024 14:50	0:46	AWE	1.71000	21.00000	Oversupply
5/29/2024 14:56	0:02	KWP	0.01190	10.41422	System Constraint
5/29/2024 15:42	0:13	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 15:43	0:12	KWP	1.25107	13.72987	Oversupply
5/29/2024 15:43	0:12	17-2	0.08083	0.75000	Oversupply
5/29/2024 16:02	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 16:03	0:02	17-2	0.00590	0.48700	Oversupply
5/29/2024 16:05	0:04	KWP	0.08776	10.55657	System Constraint
5/29/2024 16:10	0:09	KWP	0.03359	8.47029	System Constraint
5/29/2024 16:45	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 16:45	0:01	17-2	0.00513	0.30800	Oversupply
5/29/2024 16:54	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/29/2024 16:55	0:01	KWP	0.02553	16.59600	Oversupply
5/29/2024 16:55	0:01	17-2	0.00275	0.16500	Oversupply
5/30/2024 1:06	0:01	KWP	0.02126	12.09622	Oversupply
5/30/2024 1:10	0:02	KWP	0.02255	12.10420	Oversupply
5/30/2024 7:30	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 7:31	0:04	KWP	0.04613	16.84848	Oversupply
5/30/2024 7:31	0:04	17-2	0.01180	0.28400	Oversupply
5/30/2024 7:37	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 7:38	0:05	KWP	0.09597	17.96918	Oversupply
5/30/2024 7:38	0:05	17-2	0.01263	0.26100	Oversupply
5/30/2024 7:44	0:01	17-2	0.00203	0.30800	Oversupply
5/30/2024 8:00	7:36	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 8:01	3:59	17-2	1.62668	0.75000	Oversupply
5/30/2024 8:01	7:34	KWP	94.45255	20.37925	Oversupply
5/30/2024 10:22	0:02	AWE	0.01868	21.00000	Oversupply
5/30/2024 10:30	0:02	AWE	0.02633	21.00000	Oversupply
5/30/2024 10:40	0:02	AWE	0.03062	21.00000	Oversupply
5/30/2024 10:43	1:53	AWE	9.74218	21.00000	Oversupply
5/30/2024 12:38	0:19	AWE	1.00267	21.00000	Oversupply
5/30/2024 12:59	0:01	AWE	0.00929	21.00000	Oversupply
5/30/2024 13:03	0:16	AWE	0.65002	21.00000	Oversupply
5/30/2024 13:24	0:02	AWE	0.02760	20.90000	Oversupply
5/30/2024 13:36	0:03	AWE	0.06680	21.00000	Oversupply
5/30/2024 14:09	0:04	AWE	0.04928	20.50000	Oversupply
5/30/2024 14:17	0:03	AWE	0.04606	16.40000	Oversupply
5/30/2024 14:21	0:04	AWE	0.20642	19.10000	Oversupply
5/30/2024 14:26	0:01	AWE	0.00355	16.40000	Oversupply
5/30/2024 15:49	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 15:50	0:01	KWP	0.00233	16.68481	Oversupply
5/30/2024 15:51	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 15:52	0:03	KWP	0.03516	18.01309	Oversupply
5/30/2024 15:55	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 16:01	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 16:01	0:01	KWP	0.00354	19.56192	Oversupply
5/30/2024 16:04	0:06	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 16:04	0:06	KWP	0.07291	19.57290	Oversupply
5/30/2024 17:03	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 17:04	0:08	KWP	0.09098	19.58487	Oversupply
5/30/2024 17:09	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/30/2024 22:47	0:06	KWP	0.08378	21.00197	Oversupply
5/30/2024 22:57	0:03	KWP	0.05233	17.96819	Oversupply
5/30/2024 23:11	0:06	KWP	0.10882	19.14178	Oversupply
5/31/2024 0:17	0:01	KWP	0.01801	18.00710	Oversupply
5/31/2024 0:21	0:11	KWP	0.33245	18.04503	Oversupply
5/31/2024 1:33	0:01	KWP	0.00320	18.05800	Oversupply
5/31/2024 1:38	0:13	KWP	0.67593	18.05301	Oversupply
5/31/2024 8:11	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:13	0:01	KWP	0.01208	18.04104	Oversupply
5/31/2024 8:16	0:14	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:17	0:08	KWP	0.39827	18.04603	Oversupply
5/31/2024 8:27	0:03	KWP	0.06110	18.04902	Oversupply
5/31/2024 8:36	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:37	0:01	KWP	0.00491	18.02108	Oversupply
5/31/2024 8:40	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:41	0:06	KWP	0.04545	17.99513	Oversupply
5/31/2024 8:43	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:47	0:08	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 8:48	0:01	KWP	0.00135	17.81749	Oversupply
5/31/2024 8:50	0:05	KWP	0.23440	17.81250	Oversupply
5/31/2024 8:56	0:01	KWP	0.00452	17.26762	Oversupply
5/31/2024 9:09	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 9:10	0:01	KWP	0.00311	17.76660	Oversupply



**Maui Curtailment Report**

**May 2024**

Start Date and Time	Duration (minutes)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
5/31/2024 9:13	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 9:14	0:01	KWPPII	0.00491	17.14387	Oversupply
5/31/2024 9:52	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 9:52	0:01	KWPPII	0.00664	15.42540	Oversupply
5/31/2024 10:08	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 10:09	0:03	KWPPII	0.10715	17.04907	Oversupply
5/31/2024 10:20	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 10:27	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 10:28	0:01	KWPPII	0.00620	15.86849	Oversupply
5/31/2024 10:31	0:15	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 10:32	0:14	KWPPII	1.72962	17.22471	Oversupply
5/31/2024 10:49	0:19	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 10:50	0:19	KWPPII	1.50393	17.51412	Oversupply
5/31/2024 11:11	1:51	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 11:11	1:52	KWPPII	20.72361	17.86440	Oversupply
5/31/2024 11:50	0:17	AWE	1.25930	16.90000	Oversupply
5/31/2024 12:10	0:02	AWE	0.08995	17.30000	Oversupply
5/31/2024 12:17	0:01	AWE	0.01952	17.20000	Oversupply
5/31/2024 12:22	0:13	AWE	0.66154	17.60000	Oversupply
5/31/2024 12:36	0:02	AWE	0.07094	18.70000	Oversupply
5/31/2024 12:50	0:01	AWE	0.00751	17.30000	Oversupply
5/31/2024 13:40	0:07	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 13:42	0:05	KWPPII	0.20104	15.80661	Oversupply
5/31/2024 13:48	0:10	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 13:49	0:09	KWPPII	0.57665	17.62090	Oversupply
5/31/2024 14:00	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 14:01	0:01	KWPPII	0.01296	17.60393	Oversupply
5/31/2024 14:10	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 14:10	0:01	KWPPII	0.00005	15.16992	Oversupply
5/31/2024 14:15	0:04	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 14:15	0:04	KWPPII	0.15742	18.96215	Oversupply
5/31/2024 14:22	0:17	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 14:25	0:15	KWPPII	0.83195	18.93720	Oversupply
5/31/2024 14:44	0:29	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 14:45	0:28	KWPPII	1.80354	17.93026	Oversupply
5/31/2024 15:59	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:03	0:16	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:05	0:14	KWPPII	1.00319	16.23873	Oversupply
5/31/2024 16:20	0:01	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:42	0:05	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:43	0:04	KWPPII	0.12424	16.33753	Oversupply
5/31/2024 16:49	0:02	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:50	0:01	KWPPII	0.00886	16.46826	Oversupply
5/31/2024 16:57	0:03	BS 250	Data is not available	Data is not available	Oversupply
5/31/2024 16:58	0:02	KWPPII	0.05488	16.50019	Oversupply
5/31/2024 17:10	0:01	KWPPII	0.00021	16.51317	Oversupply
5/31/2024 20:43	0:02	KWPPII	0.02231	18.04603	Oversupply

SERVICE LIST  
(Docket No. 2011-0206)

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SERVICE LIST  
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SERVICE LIST  
(Docket No. 2011-0206)

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**Chu, Michael**

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