



August 28, 2023

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanao'a Building, First Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Docket No. 2011-0206
Reliability Standards Working Group
Monthly Report

In accordance with Ordering Paragraph 3 of Order No. 30371, filed May 4, 2012 in the subject proceeding, enclosed as Exhibit A is Hawaiian Electric's¹ monthly report for July 2023 on: (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

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

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura
Director, Regulatory Non-Rate Proceedings

Enclosures

c: Service List

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

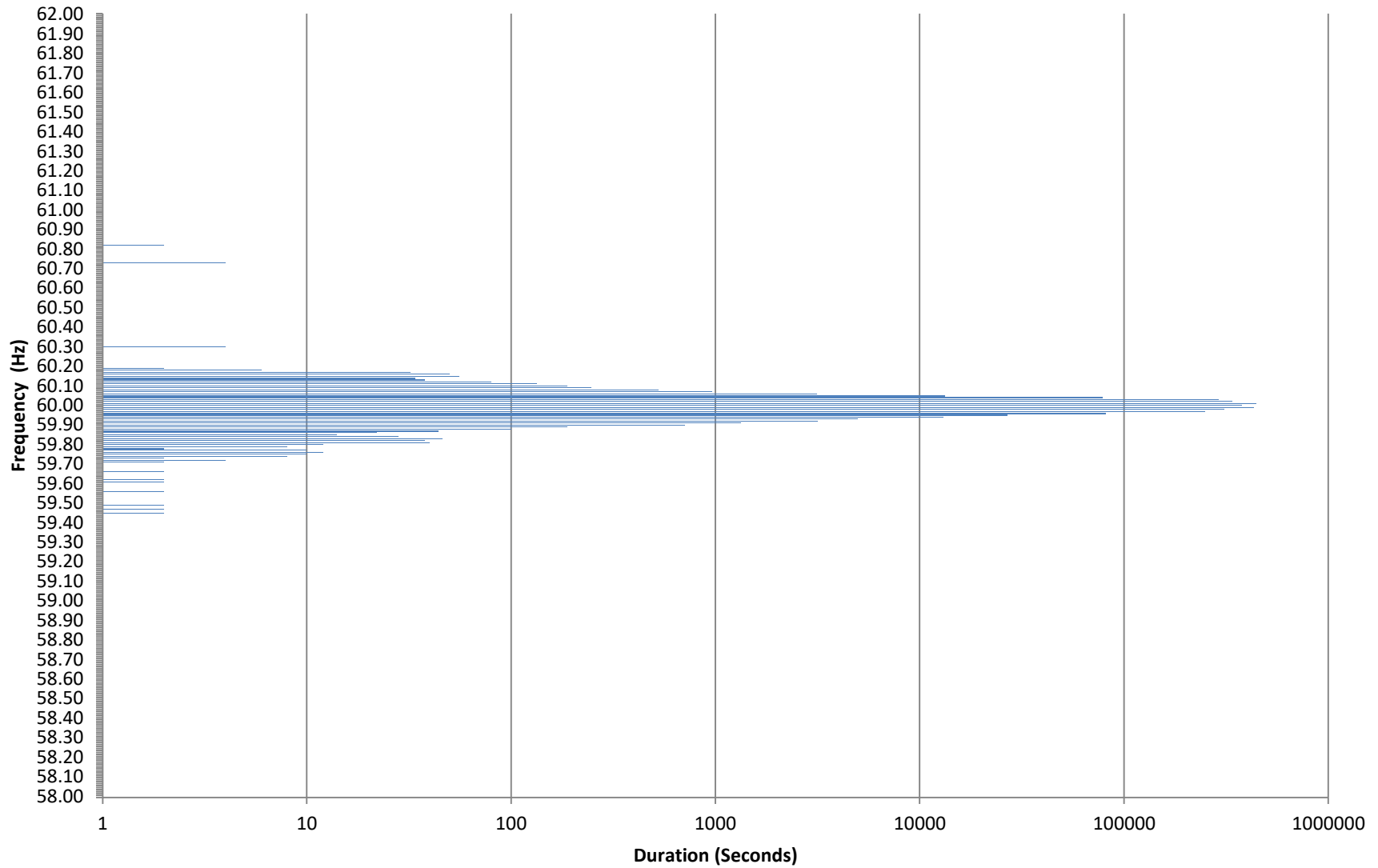
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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

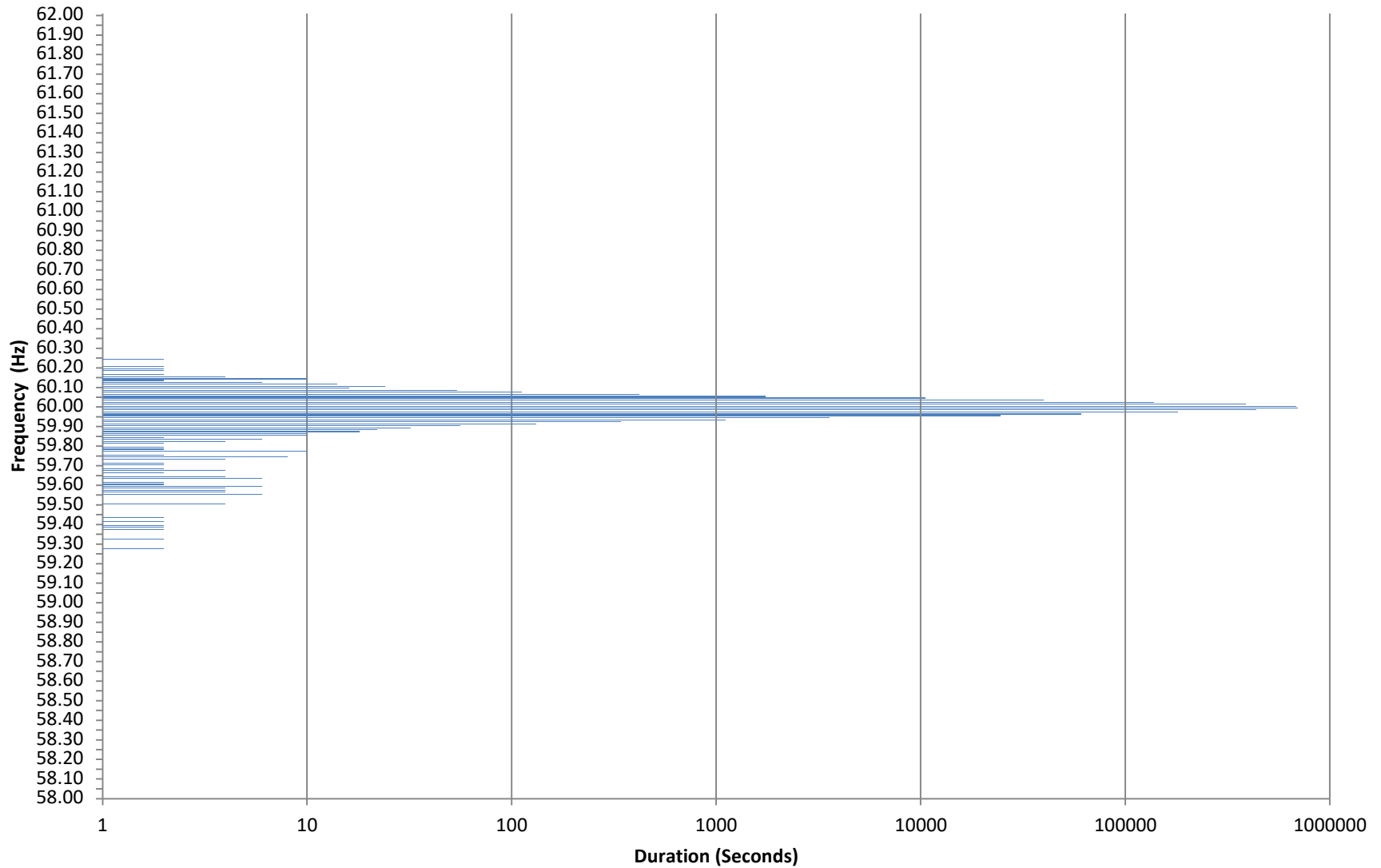
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

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

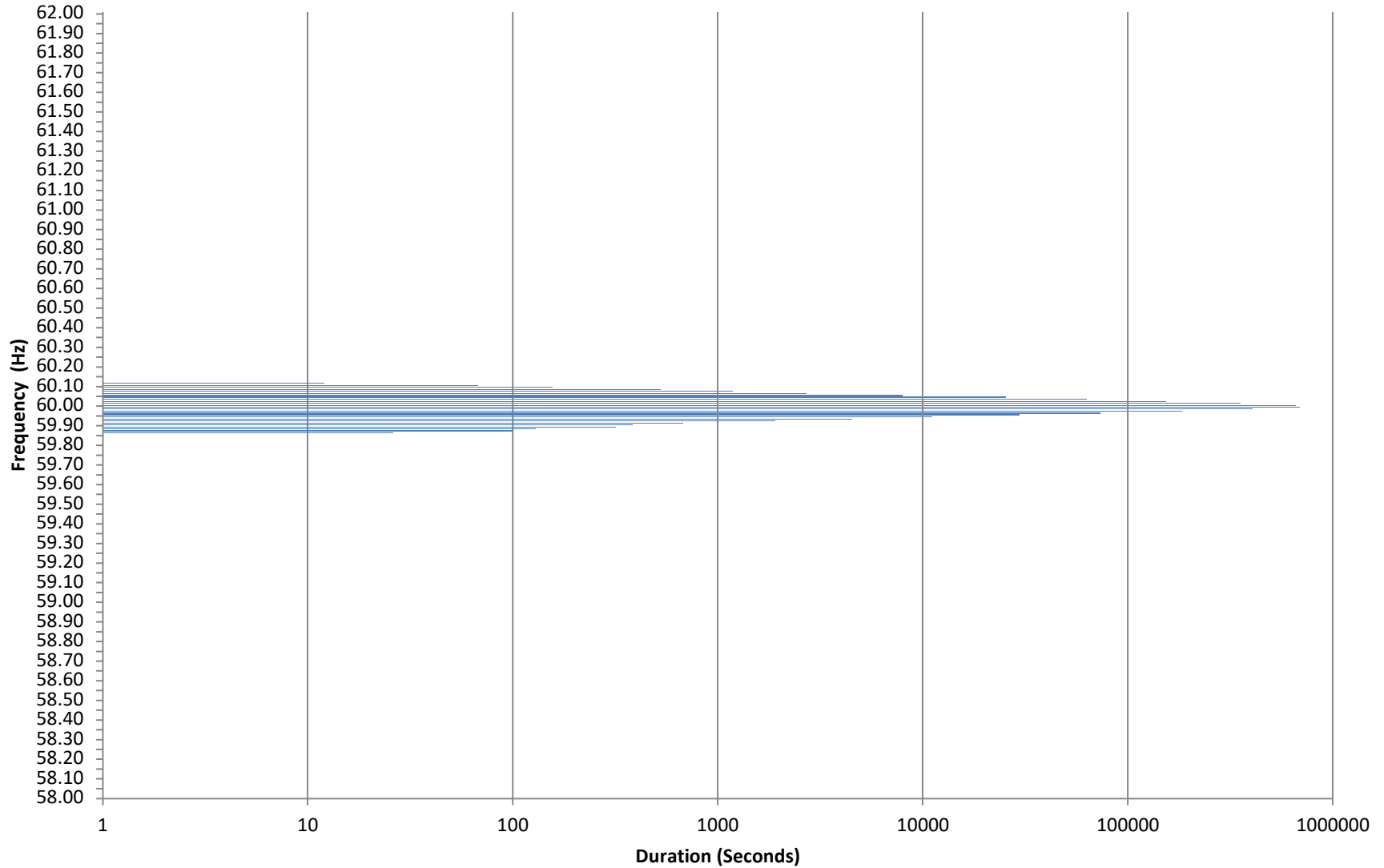
Frequency Distribution Plot - Hawaiian Electric July 2023



Frequency Distribution Plot - Hawai'i Island July 2023



Frequency Distribution Plot - Maui Electric Company, Limited July 2023



| Hawaiian Electric Frequency Excursion Statistics | | |
|--|-----------|-----------|
| July 2023 | | |
| Data Rounded to the nearest | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 3853 | 1104 |
| Maximum Duration (sec) | 224 | 520 |
| Maximum Deviation (Hz) | 59.448 | 60.818 |
| Total Duration of Excursions (sec) | 32786 | 8270 |

| Hawai'i Island Frequency Excursion Statistics | | |
|---|-----------|-----------|
| July 2023 | | |
| | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 3742 | 299 |
| Maximum Duration (sec) | 126 | 52 |
| Maximum Deviation (Hz) | 59.266 | 60.238 |
| Total Duration of Excursions (sec) | 16976 | 1192 |

| Maui Electric Company, Limited Frequency Excursion Statistics July 2023 | | |
|---|-----------|-----------|
| | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 9670 | 536 |
| Maximum Duration (sec) | 324 | 216 |
| Maximum Deviation (Hz) | 59.857 | 60.107 |
| Total Duration of Excursions (sec) | 48836 | 4656 |

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

| Event # | Date | Time | Frequency (Hz) | | | Load Shed (MW) | Duration (HH:MM) | Description |
|---------|-----------|----------|----------------|-------|---------------------|----------------|------------------|---|
| | | | Prior to Event | Nadir | Level UFLS Occurred | | | |
| 1 | 7/31/2023 | 10:05 PM | 59.99 | 59.19 | 59.20 | 14.40 | 0:16 | CT4 tripped offline while producing 17.4 MW |

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Hawaiian Electric Company, Inc. Curtailment Report July 2023

| Start Date/Time | Curtailment Set Point | MW output prior to start of curtailment | End Date/Time | MW output after curtailment released | Estimated MWh of curtailed energy during event (1) | IPP/Facility | Reason for Curtailment |
|-----------------|-----------------------|---|----------------|--------------------------------------|--|--------------|------------------------|
| 07/01/23 14:47 | 0.0 | 12.20 | 07/01/23 15:47 | 0 | * | KSMakai | Oversupply |
| 07/01/23 14:48 | 0.0 | 0.80 | 07/01/23 15:47 | 0 | * | Aloha2 | Oversupply |
| 07/01/23 14:48 | 0.0 | 2.60 | 07/01/23 15:47 | 0 | * | MFO | Oversupply |
| 07/01/23 14:49 | 0.0 | 13.00 | 07/01/23 15:47 | 0 | * | NPM | Oversupply |
| 07/02/23 07:31 | 0.0 | 3.00 | 07/02/23 07:45 | 0 | * | KLS2 | System Constraints |
| 07/02/23 11:26 | 0.0 | 20.00 | 07/02/23 14:46 | 0 | * | KSMauka | Oversupply |
| 07/02/23 11:27 | 0.0 | 15.00 | 07/02/23 14:45 | 0 | * | KSMakai | Oversupply |
| 07/02/23 11:32 | 0.0 | 3.00 | 07/02/23 14:45 | 0 | * | Aloha2 | Oversupply |
| 07/02/23 11:32 | 0.0 | 2.70 | 07/02/23 14:45 | 0 | * | MFO | Oversupply |
| 07/02/23 11:32 | 0.0 | 10.00 | 07/02/23 14:45 | 0 | * | NPM | Oversupply |
| 07/02/23 12:14 | 0.0 | 14.40 | 07/02/23 14:36 | 0 | * | Lani | Oversupply |
| 07/02/23 12:14 | 0.0 | 44.70 | 07/02/23 14:36 | 0 | * | Waipio | Oversupply |
| 07/02/23 12:38 | 0.0 | 1.40 | 07/02/23 12:59 | 0 | * | KLS2 | System Constraints |
| 07/03/23 06:46 | 0.0 | 0.20 | 07/03/23 08:05 | 0 | * | Aloha2 | System Constraints |
| 07/03/23 16:48 | 0.0 | 2.40 | 07/03/23 18:27 | 0 | * | Aloha2 | System Constraints |
| 07/04/23 13:00 | 0.0 | 6.60 | 07/04/23 15:28 | 0 | * | KSMakai | Oversupply |
| 07/04/23 13:00 | 0.0 | 17.00 | 07/04/23 15:32 | 0 | * | KSMauka | Oversupply |
| 07/06/23 11:52 | 0.0 | 16.50 | 07/06/23 14:09 | 0 | * | KSMakai | Oversupply |
| 07/06/23 11:52 | 0.0 | 24.40 | 07/06/23 14:09 | 0 | * | KSMauka | Oversupply |
| 07/07/23 06:38 | 0.0 | 0.10 | 07/07/23 18:55 | 0 | * | KREP | System Constraints |
| 07/07/23 07:07 | 0.0 | 2.20 | 07/07/23 09:20 | 0 | 16.54 | WestL | System Constraints |
| 07/07/23 14:54 | 0.0 | 2.30 | 07/07/23 17:00 | 0 | * | Aloha2 | System Constraints |
| 07/08/23 12:04 | 0.0 | 8.50 | 07/08/23 15:23 | 0 | * | KSMakai | Oversupply |
| 07/08/23 12:04 | 0.0 | 11.80 | 07/08/23 15:24 | 0 | * | KSMauka | Oversupply |
| 07/08/23 12:15 | 0.0 | 2.70 | 07/08/23 15:19 | 0 | * | Aloha2 | Oversupply |
| 07/08/23 12:15 | 0.0 | 3.00 | 07/08/23 15:18 | 0 | * | MFO | Oversupply |
| 07/08/23 12:16 | 0.0 | 23.70 | 07/08/23 15:17 | 0 | * | NPM | Oversupply |
| 07/08/23 12:53 | 0.0 | 13.50 | 07/08/23 14:30 | 0 | * | Lani | Oversupply |
| 07/08/23 12:53 | 0.0 | 40.70 | 07/08/23 14:30 | 0 | * | Waipio | Oversupply |
| 07/09/23 07:51 | 0.0 | 2.60 | 07/09/23 08:12 | 0 | * | KLS2 | System Constraints |
| 07/09/23 09:14 | 0.0 | 1.30 | 07/09/23 09:52 | 0 | * | KREP | System Constraints |
| 07/09/23 09:14 | 0.0 | 7.80 | 07/09/23 09:53 | 0 | 4.97 | WestL | System Constraints |
| 07/09/23 15:59 | 0.0 | 4.50 | 07/09/23 16:20 | 0 | * | KLS2 | System Constraints |
| 07/10/23 08:35 | 0.0 | 3.90 | 07/10/23 09:54 | 0 | * | KLS2 | System Constraints |
| 07/10/23 15:20 | 0.0 | 4.50 | 07/10/23 15:48 | 0 | * | KLS2 | System Constraints |
| 07/11/23 05:32 | 0.0 | 0.00 | 07/11/23 07:40 | 0 | * | Waianae | System Constraints |
| 07/11/23 05:35 | 0.0 | 0.00 | 07/11/23 16:29 | 0 | * | Aloha1 | System Constraints |
| 07/11/23 05:46 | 0.0 | 17.10 | 07/11/23 14:39 | 0 | * | NPM | System Constraints |
| 07/11/23 13:12 | 0.0 | 15.80 | 07/11/23 16:29 | 0 | * | Waianae | System Constraints |
| 07/12/23 06:56 | 0.0 | 23.80 | 07/12/23 13:06 | 0 | * | NPM | System Constraints |
| 07/12/23 07:21 | 0.0 | 0.00 | 07/12/23 17:00 | 0 | * | Aloha1 | System Constraints |
| 07/12/23 07:33 | 0.0 | 9.90 | 07/12/23 07:56 | 0 | * | Waianae | System Constraints |
| 07/12/23 16:20 | 0.0 | 21.50 | 07/12/23 16:59 | 0 | * | Waianae | System Constraints |
| 07/13/23 05:34 | 0.0 | 17.80 | 07/13/23 13:16 | 0 | * | NPM | System Constraints |
| 07/13/23 06:30 | 0.0 | 0.00 | 07/13/23 07:22 | 0 | * | Aloha1 | System Constraints |
| 07/13/23 06:32 | 0.0 | 0.80 | 07/13/23 16:28 | 0 | * | Waianae | System Constraints |
| 07/13/23 15:28 | 0.0 | 2.10 | 07/13/23 16:28 | 0 | * | Aloha1 | System Constraints |
| 07/14/23 06:46 | 0.0 | 0.00 | 07/14/23 07:12 | 0 | * | Aloha1 | System Constraints |
| 07/14/23 06:48 | 0.0 | 2.30 | 07/14/23 17:13 | 0 | * | Waianae | System Constraints |
| 07/14/23 16:49 | 0.0 | 1.20 | 07/14/23 17:15 | 0 | * | Aloha1 | System Constraints |
| 07/16/23 07:25 | 0.0 | 2.70 | 07/16/23 08:22 | 0 | * | KLS2 | System Constraints |
| 07/16/23 10:41 | 0.0 | 7.20 | 07/16/23 14:21 | 0 | * | KSMakai | Oversupply |
| 07/16/23 10:41 | 0.0 | 23.50 | 07/16/23 14:22 | 0 | * | KSMauka | Oversupply |
| 07/16/23 10:41 | 0.0 | 3.40 | 07/16/23 14:21 | 0 | * | Aloha2 | Oversupply |
| 07/16/23 10:42 | 0.0 | 2.00 | 07/16/23 14:21 | 0 | * | MFO | Oversupply |
| 07/16/23 10:42 | 0.0 | 9.50 | 07/16/23 14:21 | 0 | * | NPM | Oversupply |
| 07/16/23 12:53 | 0.0 | 14.40 | 07/16/23 14:10 | 0 | * | Lani | Oversupply |
| 07/16/23 12:53 | 0.0 | 41.60 | 07/16/23 14:10 | 0 | * | Waipio | Oversupply |
| 07/16/23 16:18 | 0.0 | 4.20 | 07/16/23 16:38 | 0 | * | KLS2 | System Constraints |
| 07/17/23 10:20 | 0.0 | 1.30 | 07/17/23 15:09 | 0 | * | WAIH N | System Constraints |
| 07/17/23 10:21 | 0.0 | 0.30 | 07/17/23 15:10 | 0 | * | WAIH S | System Constraints |

Hawaiian Electric Company, Inc. Curtailment Report July 2023

| Start Date/Time | Curtailment Set Point | MW output prior to start of curtailment | End Date/Time | MW output after curtailment released | Estimated MWh of curtailed energy during event (1) | IPP/Facility | Reason for Curtailment |
|-----------------|-----------------------|---|----------------|--------------------------------------|--|--------------|------------------------|
| 07/17/23 14:17 | 0.0 | 16.70 | 07/17/23 14:45 | 0 | * | KWMauka | System Constraints |
| 07/17/23 14:19 | 0.0 | 17.60 | 07/17/23 14:59 | 0 | * | KSMauka | System Constraints |
| 07/18/23 05:57 | 0.0 | 23.80 | 07/18/23 18:16 | 0 | * | KWF | System Constraints |
| 07/18/23 06:00 | 0.0 | 8.70 | 07/18/23 08:03 | 0 | * | KWMakai | System Constraints |
| 07/18/23 06:03 | 0.0 | 0.00 | 07/18/23 08:04 | 0 | * | KSMakai | System Constraints |
| 07/18/23 06:05 | 0.0 | 0.00 | 07/18/23 18:17 | 0 | * | MFO | System Constraints |
| 07/18/23 12:46 | 0.0 | 11.60 | 07/18/23 18:18 | 0 | * | KWMakai | System Constraints |
| 07/18/23 12:49 | 0.0 | 9.40 | 07/18/23 18:19 | 0 | * | KSMakai | System Constraints |
| 07/18/23 17:41 | 0.0 | 22.30 | 07/18/23 20:27 | 0 | * | NPM | System Constraints |
| 07/20/23 11:53 | 0.0 | 14.60 | 07/20/23 16:01 | 0 | * | KSMauka | Oversupply |
| 07/20/23 11:54 | 0.0 | 7.60 | 07/20/23 16:00 | 0 | * | KSMakai | Oversupply |
| 07/20/23 12:07 | 0.0 | 2.90 | 07/20/23 16:00 | 0 | * | Aloha2 | Oversupply |
| 07/20/23 12:08 | 0.0 | 2.90 | 07/20/23 15:59 | 0 | * | MFO | Oversupply |
| 07/20/23 12:09 | 0.0 | 23.10 | 07/20/23 15:00 | 0 | * | NPM | Oversupply |
| 07/23/23 13:07 | 0.0 | 8.50 | 07/23/23 14:09 | 0 | * | KSMakai | Oversupply |
| 07/23/23 13:07 | 0.0 | 13.50 | 07/23/23 14:23 | 0 | * | KSMauka | Oversupply |
| 07/24/23 13:42 | 0.0 | 7.80 | 07/24/23 15:33 | 0 | * | KSMakai | Oversupply |
| 07/24/23 13:42 | 0.0 | 12.60 | 07/24/23 15:33 | 0 | * | KSMauka | Oversupply |
| 07/24/23 13:45 | 0.0 | 4.30 | 07/24/23 15:31 | 0 | * | Aloha2 | Oversupply |
| 07/24/23 13:49 | 0.0 | 1.90 | 07/24/23 15:29 | 0 | * | MFO | Oversupply |
| 07/24/23 13:50 | 0.0 | 19.90 | 07/24/23 15:19 | 0 | * | NPM | Oversupply |
| 07/24/23 13:51 | 0.0 | 11.60 | 07/24/23 15:16 | 0 | * | Lani | Oversupply |
| 07/24/23 13:51 | 0.0 | 43.00 | 07/24/23 15:16 | 0 | * | Waipio | Oversupply |
| 07/25/23 06:38 | 0.0 | 23.80 | 07/25/23 14:14 | 0 | * | NPM | System Constraints |
| 07/26/23 05:42 | 0.0 | 16.00 | 07/26/23 07:05 | 0 | * | NPM | System Constraints |
| 07/30/23 10:55 | 0.0 | 13.70 | 07/30/23 14:13 | 0 | * | KSMakai | Oversupply |
| 07/30/23 10:55 | 0.0 | 24.90 | 07/30/23 14:13 | 0 | * | KSMauka | Oversupply |
| 07/31/23 14:29 | 0.0 | 6.30 | 07/31/23 16:05 | 0 | * | KSMakai | Oversupply |
| 07/31/23 14:29 | 0.0 | 22.80 | 07/31/23 16:05 | 0 | * | KSMauka | Oversupply |
| 07/31/23 14:29 | 0.0 | 3.50 | 07/31/23 16:04 | 0 | * | Aloha2 | Oversupply |
| 07/31/23 14:31 | 0.0 | 3.10 | 07/31/23 16:04 | 0 | * | MFO | Oversupply |
| 07/31/23 14:32 | 0.0 | 23.40 | 07/31/23 15:54 | 0 | * | NPM | Oversupply |
| 07/31/23 14:37 | 0.0 | 14.40 | 07/31/23 16:06 | 0 | * | Lani | Oversupply |
| 07/31/23 14:37 | 0.0 | 45.10 | 07/31/23 16:06 | 0 | * | Waipio | Oversupply |

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

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

Hawai'i Electric Light Company Curtailment Report July 2023

| Start Date/Time | MW output prior to start of curtailment | End Date/Time | MW output after curtailment released ¹ | IPP | Reason for Curtailment |
|-----------------|---|----------------|---|------------|------------------------|
| 07/05/23 01:19 | 19.0 MW | 07/05/23 02:35 | 8.2 MW | Pakini Nui | System Constraint |
| 07/19/23 04:06 | 19.8 MW | 07/19/23 10:04 | 18.6 MW | Pakini Nui | Facility Requested |
| 07/30/23 14:37 | 0.6 MW | 08/02/23 15:33 | 0.2 MW | TGUHI | System Constraint |
| 07/30/23 14:37 | 19.1 MW | 07/30/23 14:50 | 12.2 MW | Pakini Nui | System Constraint |

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.



| Start Date and Time | Duration (h:mm) | IPP Curtailed | Estimated MWh Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|--|-----------------|---------------|-------------------------|-------------------|-------------------------|
| No curtailment for July 2023 | | | | | |
| Notes: | | | | | |
| On June 27, 2012, Maui Electric notified Lanai Sustainability Research (LSR) that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, Maui Electric would conditionally allow LSR to operate at the allowed capacity of 1.2 MW while the Maui Electric-Lanai Diesel Operator was in the control room. | | | | | |
| LSR possible output data is not available. Therefore, Maui Electric assumes LSR is curtailed if the LSR curtailment set point is less than 1,200 kW and LSR's output is within 70 kW of the curtailment set point. | | | | | |
| The curtailment reasons have been modified to oversupply, system constraints, and facility requested, to provide continuity with HPUC Docket No. 2013-0141 Decoupling for HECO companies' metrics. | | | | | |
| Facility Requested curtailment includes but is not limited to conditions that are attributed to IPPs such as communication problems and curtailment control testing. | | | | | |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/1/2023 0:00 | 0:12 | KWPPII | 0.31968 | 12.51137 | Oversupply |
| 7/1/2023 2:06 | 0:01 | KWPPII | 0.00340 | 6.27514 | Oversupply |
| 7/1/2023 2:09 | 14:03 | KWPPII | 152.88486 | 20.13475 | Oversupply |
| 7/1/2023 2:20 | 0:14 | AWE | 0.64798 | 12.80000 | Oversupply |
| 7/1/2023 2:35 | 0:05 | AWE | 0.04449 | 5.40000 | Oversupply |
| 7/1/2023 2:41 | 0:01 | AWE | 0.00435 | 5.80000 | Oversupply |
| 7/1/2023 3:10 | 0:01 | AWE | 0.00370 | 9.20000 | Oversupply |
| 7/1/2023 3:17 | 0:06 | AWE | 0.02505 | 11.00000 | Oversupply |
| 7/1/2023 3:25 | 0:01 | AWE | 0.01137 | 10.00000 | Oversupply |
| 7/1/2023 3:27 | 0:01 | AWE | 0.00487 | 10.20000 | Oversupply |
| 7/1/2023 3:35 | 0:01 | AWE | 0.00769 | 7.40000 | Oversupply |
| 7/1/2023 3:37 | 0:01 | AWE | 0.00119 | 7.40000 | Oversupply |
| 7/1/2023 3:39 | 0:17 | AWE | 0.65450 | 8.10000 | Oversupply |
| 7/1/2023 3:57 | 0:09 | AWE | 0.17278 | 6.30000 | Oversupply |
| 7/1/2023 4:07 | 0:02 | AWE | 0.01704 | 7.10000 | Oversupply |
| 7/1/2023 4:11 | 0:04 | AWE | 0.03481 | 7.70000 | Oversupply |
| 7/1/2023 4:16 | 0:03 | AWE | 0.00491 | 7.90000 | Oversupply |
| 7/1/2023 4:20 | 0:01 | AWE | 0.00036 | 7.30000 | Oversupply |
| 7/1/2023 4:24 | 0:23 | AWE | 0.92910 | 12.00000 | Oversupply |
| 7/1/2023 4:48 | 0:17 | AWE | 1.46752 | 15.40000 | Oversupply |
| 7/1/2023 5:14 | 0:04 | AWE | 0.03825 | 11.20000 | Oversupply |
| 7/1/2023 5:29 | 0:01 | AWE | 0.00316 | 12.60000 | Oversupply |
| 7/1/2023 5:31 | 0:04 | AWE | 0.03684 | 12.80000 | Oversupply |
| 7/1/2023 5:36 | 0:01 | AWE | 0.00622 | 14.20000 | Oversupply |
| 7/1/2023 5:38 | 0:07 | AWE | 0.08098 | 13.80000 | Oversupply |
| 7/1/2023 5:47 | 0:01 | AWE | 0.00338 | 10.60000 | Oversupply |
| 7/1/2023 5:49 | 10:23 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/1/2023 5:51 | 0:04 | AWE | 0.08284 | 13.00000 | Oversupply |
| 7/1/2023 5:57 | 0:02 | AWE | 0.00857 | 12.40000 | Oversupply |
| 7/1/2023 6:02 | 0:02 | AWE | 0.00971 | 12.00000 | Oversupply |
| 7/1/2023 6:02 | 10:10 | SSA3 | 18.19 | 0.016 | Oversupply |
| 7/1/2023 6:05 | 0:01 | AWE | 0.00404 | 11.90000 | Oversupply |
| 7/1/2023 6:10 | 0:01 | AWE | 0.00028 | 12.90000 | Oversupply |
| 7/1/2023 6:12 | 0:01 | AWE | 0.00522 | 13.10000 | Oversupply |
| 7/1/2023 6:30 | 9:43 | 17-2 | 4.71303 | 0.75000 | Oversupply |
| 7/1/2023 6:49 | 0:01 | AWE | 0.00303 | 13.30000 | Oversupply |
| 7/1/2023 6:51 | 0:01 | AWE | 0.00159 | 11.70000 | Oversupply |
| 7/1/2023 7:17 | 0:07 | AWE | 0.12291 | 15.40000 | Oversupply |
| 7/1/2023 7:31 | 4:13 | AWE | 25.00463 | 21.00000 | Oversupply |
| 7/1/2023 11:46 | 0:18 | AWE | 0.81883 | 18.60000 | Oversupply |
| 7/1/2023 12:06 | 0:04 | AWE | 0.05022 | 16.20000 | Oversupply |
| 7/1/2023 12:12 | 2:00 | AWE | 12.84653 | 17.40000 | Oversupply |
| 7/1/2023 14:13 | 0:16 | AWE | 0.32686 | 13.60000 | Oversupply |
| 7/1/2023 14:31 | 0:02 | AWE | 0.01375 | 10.60000 | Oversupply |
| 7/1/2023 14:39 | 0:01 | AWE | 0.03188 | 16.10000 | Oversupply |
| 7/1/2023 14:51 | 0:01 | AWE | 0.00541 | 15.00000 | Oversupply |
| 7/1/2023 14:53 | 0:05 | AWE | 0.07461 | 15.30000 | Oversupply |
| 7/1/2023 14:59 | 0:04 | AWE | 0.11307 | 16.30000 | Oversupply |
| 7/1/2023 15:05 | 0:02 | AWE | 0.02457 | 16.00000 | Oversupply |
| 7/1/2023 15:10 | 0:01 | AWE | 0.00905 | 15.60000 | Oversupply |
| 7/1/2023 15:22 | 0:02 | AWE | 0.03317 | 16.60000 | Oversupply |
| 7/1/2023 16:11 | 0:02 | SSA3 | 0.06 | -0.004 | Oversupply |
| 7/1/2023 16:13 | 0:02 | SSA3 | 0.06 | 0.114 | Oversupply |
| 7/1/2023 16:14 | 0:19 | 17-2 | 0.15723 | 0.56500 | Oversupply |
| 7/1/2023 16:15 | 0:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/1/2023 16:16 | 0:02 | SSA3 | 0.05 | 0.212 | Oversupply |
| 7/1/2023 16:16 | 0:01 | KWPPII | 0.01043 | 19.22162 | Oversupply |
| 7/1/2023 16:18 | 0:02 | SSA3 | 0.05 | 0.024 | Oversupply |
| 7/1/2023 16:18 | 0:02 | KWPPII | 0.00791 | 19.19767 | Oversupply |
| 7/1/2023 16:20 | 0:02 | SSA3 | 0.05 | 0.187 | Oversupply |
| 7/1/2023 16:22 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/1/2023 16:22 | 0:02 | SSA3 | 0.05 | 0.004 | Oversupply |
| 7/1/2023 16:24 | 0:01 | KWPPII | 0.01925 | 17.41133 | Oversupply |
| 7/1/2023 16:24 | 0:02 | SSA3 | 0.05 | -0.004 | Oversupply |
| 7/1/2023 16:26 | 0:02 | SSA3 | 0.05 | -0.004 | Oversupply |
| 7/1/2023 16:28 | 0:02 | SSA3 | 0.05 | 0.081 | Oversupply |
| 7/1/2023 16:30 | 0:02 | SSA3 | 0.03 | 0.479 | Oversupply |
| 7/1/2023 16:36 | 0:02 | SSA3 | 0.03 | 0.424 | Oversupply |
| 7/1/2023 16:37 | 0:03 | 17-2 | 0.02297 | 0.47300 | Oversupply |
| 7/1/2023 16:38 | 0:02 | SSA3 | 0.03 | 0.46 | Oversupply |
| 7/1/2023 16:41 | 0:01 | 17-2 | 0.00178 | 0.46200 | Oversupply |
| 7/1/2023 17:04 | 0:07 | 17-2 | 0.03896 | 0.38300 | Oversupply |
| 7/1/2023 17:04 | 0:02 | SSA3 | 0.02 | 0.343 | Oversupply |
| 7/1/2023 17:05 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/1/2023 17:06 | 0:02 | SSA3 | 0.02 | 0.01 | Oversupply |
| 7/1/2023 17:07 | 0:01 | KWPPII | 0.00155 | 17.00915 | Oversupply |
| 7/1/2023 22:03 | 0:04 | KWPPII | 0.04776 | 18.30050 | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/1/2023 23:55 | 0:04 | KWPIL | 0.06550 | 15.19487 | Oversupply |
| 7/2/2023 2:02 | 0:01 | KWPIL | 0.01105 | 13.01034 | Oversupply |
| 7/2/2023 2:09 | 0:02 | KWPIL | 0.01298 | 14.49231 | Oversupply |
| 7/2/2023 2:15 | 0:13 | KWPIL | 0.37069 | 13.18399 | Oversupply |
| 7/2/2023 2:29 | 0:04 | KWPIL | 0.08965 | 13.18798 | Oversupply |
| 7/2/2023 2:39 | 0:20 | KWPIL | 0.48015 | 11.93255 | Oversupply |
| 7/2/2023 3:00 | 0:02 | KWPIL | 0.01131 | 11.29885 | Oversupply |
| 7/2/2023 7:56 | 0:03 | 17-2 | 0.00813 | 0.18200 | Oversupply |
| 7/2/2023 8:04 | 0:01 | 17-2 | 0.00218 | 0.13100 | Oversupply |
| 7/2/2023 8:09 | 0:02 | 17-2 | 0.00272 | 0.11000 | Oversupply |
| 7/2/2023 8:18 | 0:01 | 17-2 | 0.00105 | 0.06300 | Oversupply |
| 7/2/2023 8:22 | 0:01 | 17-2 | 0.00162 | 0.09700 | Oversupply |
| 7/2/2023 8:25 | 0:04 | 17-2 | 0.00867 | 0.13500 | Oversupply |
| 7/2/2023 8:26 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/2/2023 8:26 | 0:02 | KWPIL | 0.03005 | 12.32175 | Oversupply |
| 7/2/2023 8:26 | 0:02 | SSA3 | 0.03 | 0.014 | Oversupply |
| 7/2/2023 8:30 | 0:03 | 17-2 | 0.00500 | 0.10700 | Oversupply |
| 7/2/2023 8:34 | 0:03 | 17-2 | 0.00369 | 0.08800 | Oversupply |
| 7/2/2023 8:34 | 0:02 | SSA3 | 0.04 | 0.389 | Oversupply |
| 7/2/2023 8:40 | 0:02 | SSA3 | 0.04 | 0.471 | Oversupply |
| 7/2/2023 8:41 | 6:29 | 17-2 | 3.63480 | 0.75000 | Oversupply |
| 7/2/2023 8:42 | 5:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/2/2023 8:42 | 4:58 | SSA3 | 10.86 | 0.005 | Oversupply |
| 7/2/2023 8:43 | 5:04 | KWPIL | 36.86501 | 12.31177 | Oversupply |
| 7/2/2023 9:08 | 0:20 | AWE | 1.03705 | 17.90000 | Oversupply |
| 7/2/2023 9:29 | 3:44 | AWE | 30.08441 | 19.70000 | Oversupply |
| 7/2/2023 13:14 | 0:01 | AWE | 0.00339 | 16.30000 | Oversupply |
| 7/2/2023 13:17 | 0:12 | AWE | 0.17965 | 18.70000 | Oversupply |
| 7/2/2023 13:30 | 0:01 | AWE | 0.00499 | 16.70000 | Oversupply |
| 7/2/2023 13:34 | 0:06 | AWE | 0.05637 | 18.50000 | Oversupply |
| 7/2/2023 13:40 | 0:06 | SSA3 | 0.24 | 0.038 | Oversupply |
| 7/2/2023 13:46 | 0:02 | SSA3 | 0.06 | 0.333 | Oversupply |
| 7/2/2023 13:48 | 0:02 | SSA3 | 0.06 | 0.688 | Oversupply |
| 7/2/2023 13:50 | 0:02 | SSA3 | 0.06 | 0.901 | Oversupply |
| 7/2/2023 13:52 | 0:02 | SSA3 | 0.06 | 0.91 | Oversupply |
| 7/2/2023 13:54 | 0:02 | SSA3 | 0.06 | 0.899 | Oversupply |
| 7/2/2023 13:57 | 0:02 | SSA3 | 0.06 | 0.881 | Oversupply |
| 7/2/2023 13:59 | 0:02 | SSA3 | 0.06 | 0.873 | Oversupply |
| 7/2/2023 14:01 | 0:02 | SSA3 | 0.05 | 0.868 | Oversupply |
| 7/2/2023 14:03 | 0:02 | SSA3 | 0.05 | 0.863 | Oversupply |
| 7/2/2023 14:05 | 0:02 | SSA3 | 0.05 | 0.842 | Oversupply |
| 7/2/2023 14:07 | 0:02 | SSA3 | 0.05 | 0.863 | Oversupply |
| 7/2/2023 14:09 | 0:02 | SSA3 | 0.05 | 0.867 | Oversupply |
| 7/2/2023 14:11 | 0:02 | SSA3 | 0.05 | 0.611 | Oversupply |
| 7/2/2023 14:13 | 0:02 | SSA3 | 0.05 | 0.859 | Oversupply |
| 7/2/2023 14:15 | 0:02 | SSA3 | 0.06 | 0.51 | Oversupply |
| 7/2/2023 14:17 | 0:02 | SSA3 | 0.06 | 0.617 | Oversupply |
| 7/2/2023 14:19 | 0:02 | SSA3 | 0.06 | 0.862 | Oversupply |
| 7/2/2023 14:21 | 0:02 | SSA3 | 0.06 | 0.868 | Oversupply |
| 7/2/2023 14:23 | 0:02 | SSA3 | 0.06 | 0.849 | Oversupply |
| 7/2/2023 14:25 | 0:02 | SSA3 | 0.06 | 0.468 | Oversupply |
| 7/2/2023 14:27 | 0:02 | SSA3 | 0.06 | 0.144 | Oversupply |
| 7/2/2023 14:29 | 0:02 | SSA3 | 0.06 | 0.53 | Oversupply |
| 7/2/2023 14:31 | 0:02 | SSA3 | 0.06 | 0.443 | Oversupply |
| 7/2/2023 14:33 | 0:02 | SSA3 | 0.06 | 0.842 | Oversupply |
| 7/2/2023 14:35 | 0:02 | SSA3 | 0.06 | 0.195 | Oversupply |
| 7/2/2023 14:37 | 0:02 | SSA3 | 0.06 | 0.853 | Oversupply |
| 7/2/2023 14:39 | 0:02 | SSA3 | 0.06 | 0.405 | Oversupply |
| 7/2/2023 14:41 | 0:02 | SSA3 | 0.06 | 0.682 | Oversupply |
| 7/2/2023 14:43 | 0:02 | SSA3 | 0.05 | 0.837 | Oversupply |
| 7/2/2023 14:45 | 0:02 | SSA3 | 0.05 | 0.821 | Oversupply |
| 7/2/2023 14:47 | 0:02 | SSA3 | 0.05 | 0.811 | Oversupply |
| 7/2/2023 14:49 | 0:02 | SSA3 | 0.05 | 0.661 | Oversupply |
| 7/2/2023 14:51 | 0:02 | SSA3 | 0.05 | 0.867 | Oversupply |
| 7/2/2023 14:53 | 0:02 | SSA3 | 0.05 | 0.845 | Oversupply |
| 7/2/2023 14:55 | 0:02 | SSA3 | 0.05 | 0.792 | Oversupply |
| 7/2/2023 14:57 | 0:02 | SSA3 | 0.05 | 0.725 | Oversupply |
| 7/2/2023 14:59 | 0:02 | SSA3 | 0.05 | 0.769 | Oversupply |
| 7/2/2023 15:01 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/2/2023 15:01 | 0:02 | SSA3 | 0.05 | 0.288 | Oversupply |
| 7/2/2023 15:03 | 0:02 | SSA3 | 0.05 | 0.666 | Oversupply |
| 7/2/2023 15:05 | 0:02 | SSA3 | 0.05 | 0.746 | Oversupply |
| 7/2/2023 15:07 | 0:02 | SSA3 | 0.05 | 0.732 | Oversupply |
| 7/2/2023 15:12 | 0:01 | 17-2 | 0.00073 | 0.75000 | Oversupply |
| 7/2/2023 15:54 | 0:01 | 17-2 | 0.00323 | 0.61800 | Oversupply |
| 7/2/2023 16:02 | 0:01 | 17-2 | 0.00003 | 0.62100 | Oversupply |
| 7/2/2023 23:52 | 0:48 | KWPIL | 3.61404 | 11.12521 | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/2/2023 23:59 | 0:16 | AWE | 0.65285 | 19.30000 | Oversupply |
| 7/3/2023 0:18 | 0:01 | AWE | 0.01537 | 11.30000 | Oversupply |
| 7/3/2023 4:05 | 1:11 | KWPPII | 13.77755 | 19.83436 | Oversupply |
| 7/3/2023 4:12 | 0:12 | AWE | 0.30631 | 19.30000 | Oversupply |
| 7/3/2023 4:26 | 0:02 | AWE | 0.01229 | 15.80000 | Oversupply |
| 7/3/2023 4:29 | 0:02 | AWE | 0.01497 | 16.30000 | Oversupply |
| 7/3/2023 4:32 | 0:01 | AWE | 0.01022 | 16.40000 | Oversupply |
| 7/3/2023 4:34 | 0:01 | AWE | 0.00054 | 16.50000 | Oversupply |
| 7/3/2023 4:41 | 0:01 | AWE | 0.00105 | 18.30000 | Oversupply |
| 7/3/2023 5:17 | 0:25 | KWPPII | 1.21359 | 19.74155 | Oversupply |
| 7/3/2023 5:43 | 0:01 | KWPPII | 0.01789 | 19.94114 | Oversupply |
| 7/3/2023 6:39 | 0:10 | SSA3 | 0.04 | 0.038 | Oversupply |
| 7/3/2023 6:40 | 0:08 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 6:40 | 0:08 | 17-2 | 0.00400 | 0.04700 | Oversupply |
| 7/3/2023 6:42 | 0:06 | KWPPII | 0.07630 | 18.20171 | Oversupply |
| 7/3/2023 6:49 | 0:01 | 17-2 | 0.00065 | 0.04700 | Oversupply |
| 7/3/2023 6:51 | 0:04 | SSA3 | 0.02 | 0.037 | Oversupply |
| 7/3/2023 6:52 | 0:03 | 17-2 | 0.00195 | 0.04700 | Oversupply |
| 7/3/2023 6:53 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 6:55 | 0:02 | SSA3 | 0.01 | 0.021 | Oversupply |
| 7/3/2023 6:56 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 6:56 | 0:08 | 17-2 | 0.00674 | 0.07100 | Oversupply |
| 7/3/2023 6:57 | 0:04 | SSA3 | 0.02 | 0.007 | Oversupply |
| 7/3/2023 6:59 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 7:00 | 0:02 | KWPPII | 0.01713 | 17.58896 | Oversupply |
| 7/3/2023 7:01 | 0:02 | SSA3 | 0.01 | 0.094 | Oversupply |
| 7/3/2023 7:09 | 0:02 | SSA3 | 0.01 | 0.066 | Oversupply |
| 7/3/2023 7:10 | 0:23 | 17-2 | 0.03292 | 0.13300 | Oversupply |
| 7/3/2023 7:11 | 0:01 | KWPPII | 0.00302 | 18.46716 | Oversupply |
| 7/3/2023 7:11 | 0:20 | SSA3 | 0.18 | 0.018 | Oversupply |
| 7/3/2023 7:12 | 0:20 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 7:13 | 0:17 | KWPPII | 0.41056 | 20.12876 | Oversupply |
| 7/3/2023 7:31 | 0:01 | KWPPII | 0.01845 | 17.35045 | Oversupply |
| 7/3/2023 7:32 | 0:02 | SSA3 | 0.02 | 0.198 | Oversupply |
| 7/3/2023 8:04 | 0:02 | 17-2 | 0.00393 | 0.13800 | Oversupply |
| 7/3/2023 8:18 | 0:02 | SSA3 | 0.02 | 0.454 | Oversupply |
| 7/3/2023 8:19 | 0:01 | 17-2 | 0.00231 | 0.14300 | Oversupply |
| 7/3/2023 8:58 | 0:18 | 17-2 | 0.07265 | 0.32700 | Oversupply |
| 7/3/2023 8:59 | 0:02 | SSA3 | 0.04 | 0.532 | Oversupply |
| 7/3/2023 9:01 | 0:12 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/3/2023 9:01 | 0:12 | SSA3 | 0.32 | 0.289 | Oversupply |
| 7/3/2023 9:02 | 0:08 | KWPPII | 0.41193 | 14.13903 | Oversupply |
| 7/3/2023 9:11 | 0:02 | KWPPII | 0.01613 | 10.13623 | Oversupply |
| 7/3/2023 9:13 | 0:02 | SSA3 | 0.05 | -0.002 | Oversupply |
| 7/3/2023 12:24 | 0:01 | 17-2 | 0.00026 | 0.75000 | Oversupply |
| 7/3/2023 12:31 | 0:02 | SSA3 | 0.06 | 1.042 | Oversupply |
| 7/3/2023 12:32 | 0:01 | 17-2 | 0.00106 | 0.75000 | Oversupply |
| 7/3/2023 12:37 | 0:03 | 17-2 | 0.02825 | 0.75000 | Oversupply |
| 7/3/2023 12:42 | 0:01 | 17-2 | 0.00247 | 0.75000 | Oversupply |
| 7/3/2023 12:50 | 0:01 | 17-2 | 0.00842 | 0.67400 | Oversupply |
| 7/3/2023 18:08 | 0:01 | KWPPII | 0.00063 | 0.03792 | Oversupply |
| 7/3/2023 21:57 | 0:01 | KWPPII | 0.00521 | 18.70867 | Oversupply |
| 7/3/2023 21:59 | 0:01 | KWPPII | 0.00635 | 18.77054 | Oversupply |
| 7/3/2023 22:26 | 0:18 | KWPPII | 0.43667 | 20.47705 | Oversupply |
| 7/3/2023 22:45 | 0:03 | KWPPII | 0.01294 | 20.50599 | Oversupply |
| 7/3/2023 23:05 | 0:01 | KWPPII | 0.00220 | 18.90826 | Oversupply |
| 7/3/2023 23:33 | 0:06 | KWPPII | 0.32106 | 19.89324 | Oversupply |
| 7/3/2023 23:40 | 0:20 | KWPPII | 1.01889 | 20.84130 | Oversupply |
| 7/4/2023 2:53 | 0:11 | KWPPII | 0.10862 | 20.94908 | Oversupply |
| 7/4/2023 3:11 | 0:01 | KWPPII | 0.00254 | 20.92812 | Oversupply |
| 7/4/2023 3:16 | 0:01 | KWPPII | 0.00798 | 20.88421 | Oversupply |
| 7/4/2023 3:19 | 0:01 | KWPPII | 0.00298 | 20.90417 | Oversupply |
| 7/4/2023 3:33 | 0:01 | KWPPII | 0.00513 | 20.62374 | Oversupply |
| 7/4/2023 3:36 | 0:01 | KWPPII | 0.00748 | 20.58183 | Oversupply |
| 7/4/2023 3:43 | 0:02 | KWPPII | 0.01350 | 20.71157 | Oversupply |
| 7/4/2023 8:07 | 0:04 | 17-2 | 0.00597 | 0.11000 | Oversupply |
| 7/4/2023 8:10 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 8:10 | 0:02 | SSA3 | 0.02 | 0.344 | Oversupply |
| 7/4/2023 8:12 | 0:14 | 17-2 | 0.03118 | 0.20800 | Oversupply |
| 7/4/2023 8:12 | 0:02 | SSA3 | 0.02 | 0.353 | Oversupply |
| 7/4/2023 8:14 | 0:02 | SSA3 | 0.03 | 0.328 | Oversupply |
| 7/4/2023 8:15 | 0:07 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 8:16 | 0:07 | KWPPII | 0.14469 | 19.58986 | Oversupply |
| 7/4/2023 8:16 | 0:06 | SSA3 | 0.10 | 0.011 | Oversupply |
| 7/4/2023 8:22 | 0:02 | SSA3 | 0.03 | 0.071 | Oversupply |
| 7/4/2023 8:24 | 0:02 | SSA3 | 0.03 | 0.289 | Oversupply |
| 7/4/2023 8:52 | 4:15 | 17-2 | 2.10565 | 0.75000 | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/4/2023 8:52 | 0:22 | SSA3 | 0.56 | 0.406 | Oversupply |
| 7/4/2023 8:53 | 0:03 | KWP11 | 0.00812 | 19.57888 | Oversupply |
| 7/4/2023 8:54 | 0:19 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 8:57 | 0:17 | KWP11 | 0.34430 | 19.58387 | Oversupply |
| 7/4/2023 9:14 | 0:02 | SSA3 | 0.06 | 0.608 | Oversupply |
| 7/4/2023 9:16 | 3:32 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 9:16 | 3:32 | KWP11 | 52.03301 | 20.95906 | Oversupply |
| 7/4/2023 9:16 | 3:31 | SSA3 | 8.17 | 0.11 | Oversupply |
| 7/4/2023 10:12 | 0:01 | AWE | 0.00436 | 17.60000 | Oversupply |
| 7/4/2023 10:40 | 0:38 | AWE | 3.69633 | 20.90000 | Oversupply |
| 7/4/2023 11:21 | 0:08 | AWE | 0.26725 | 19.40000 | Oversupply |
| 7/4/2023 11:31 | 0:08 | AWE | 0.39603 | 21.00000 | Oversupply |
| 7/4/2023 11:40 | 0:01 | AWE | 0.00341 | 16.60000 | Oversupply |
| 7/4/2023 11:44 | 0:04 | AWE | 0.14800 | 21.00000 | Oversupply |
| 7/4/2023 11:50 | 0:04 | AWE | 0.18613 | 21.00000 | Oversupply |
| 7/4/2023 12:00 | 0:08 | AWE | 0.14295 | 20.90000 | Oversupply |
| 7/4/2023 12:47 | 0:02 | SSA3 | 0.07 | 0.129 | Oversupply |
| 7/4/2023 12:49 | 0:01 | KWP11 | 0.00410 | 14.51925 | Oversupply |
| 7/4/2023 12:49 | 0:02 | SSA3 | 0.07 | 0.275 | Oversupply |
| 7/4/2023 12:51 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 12:51 | 0:02 | SSA3 | 0.07 | 0.002 | Oversupply |
| 7/4/2023 12:52 | 0:01 | KWP11 | 0.02522 | 17.58996 | Oversupply |
| 7/4/2023 12:53 | 0:02 | SSA3 | 0.07 | -0.004 | Oversupply |
| 7/4/2023 12:54 | 0:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 12:55 | 0:06 | SSA3 | 0.19 | -0.003 | Oversupply |
| 7/4/2023 12:56 | 0:05 | KWP11 | 0.07941 | 17.04508 | Oversupply |
| 7/4/2023 13:01 | 0:02 | SSA3 | 0.06 | 0.288 | Oversupply |
| 7/4/2023 13:03 | 0:02 | SSA3 | 0.06 | 0.892 | Oversupply |
| 7/4/2023 13:07 | 0:02 | SSA3 | 0.06 | 0.922 | Oversupply |
| 7/4/2023 13:08 | 0:44 | 17-2 | 0.49502 | 0.75000 | Oversupply |
| 7/4/2023 13:09 | 0:02 | SSA3 | 0.06 | 0.872 | Oversupply |
| 7/4/2023 13:11 | 0:06 | SSA3 | 0.21 | 0.778 | Oversupply |
| 7/4/2023 13:13 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:13 | 0:02 | KWP11 | 0.01528 | 16.36247 | Oversupply |
| 7/4/2023 13:16 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:17 | 0:01 | KWP11 | 0.00507 | 16.38543 | Oversupply |
| 7/4/2023 13:17 | 0:02 | SSA3 | 0.08 | -0.003 | Oversupply |
| 7/4/2023 13:19 | 0:02 | SSA3 | 0.08 | 0.09 | Oversupply |
| 7/4/2023 13:21 | 0:02 | SSA3 | 0.08 | 0.406 | Oversupply |
| 7/4/2023 13:23 | 0:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:23 | 0:06 | SSA3 | 0.24 | 0.113 | Oversupply |
| 7/4/2023 13:24 | 0:05 | KWP11 | 0.13357 | 15.93236 | Oversupply |
| 7/4/2023 13:29 | 0:02 | SSA3 | 0.07 | -0.003 | Oversupply |
| 7/4/2023 13:31 | 0:02 | SSA3 | 0.07 | 0.424 | Oversupply |
| 7/4/2023 13:33 | 0:02 | SSA3 | 0.07 | 0.86 | Oversupply |
| 7/4/2023 13:34 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:35 | 0:01 | KWP11 | 0.00193 | 14.90346 | Oversupply |
| 7/4/2023 13:36 | 0:02 | SSA3 | 0.07 | 0.773 | Oversupply |
| 7/4/2023 13:38 | 0:02 | SSA3 | 0.07 | 0.904 | Oversupply |
| 7/4/2023 13:40 | 0:02 | SSA3 | 0.07 | 0.91 | Oversupply |
| 7/4/2023 13:42 | 0:08 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:42 | 0:08 | SSA3 | 0.29 | 0.695 | Oversupply |
| 7/4/2023 13:43 | 0:08 | KWP11 | 0.33081 | 16.46427 | Oversupply |
| 7/4/2023 13:50 | 0:02 | SSA3 | 0.07 | 0.17 | Oversupply |
| 7/4/2023 13:54 | 0:02 | SSA3 | 0.07 | 0.715 | Oversupply |
| 7/4/2023 13:55 | 0:13 | 17-2 | 0.12382 | 0.75000 | Oversupply |
| 7/4/2023 13:56 | 0:07 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 13:56 | 0:08 | SSA3 | 0.26 | 0.357 | Oversupply |
| 7/4/2023 13:57 | 0:01 | KWP11 | 0.00688 | 15.43937 | Oversupply |
| 7/4/2023 14:00 | 0:03 | KWP11 | 0.06821 | 17.63088 | Oversupply |
| 7/4/2023 14:04 | 0:02 | SSA3 | 0.06 | 0.212 | Oversupply |
| 7/4/2023 14:06 | 0:02 | SSA3 | 0.06 | 0.887 | Oversupply |
| 7/4/2023 14:09 | 0:01 | 17-2 | 0.00965 | 0.75000 | Oversupply |
| 7/4/2023 14:13 | 0:31 | 17-2 | 0.33687 | 0.75000 | Oversupply |
| 7/4/2023 14:14 | 0:02 | SSA3 | 0.06 | 0.852 | Oversupply |
| 7/4/2023 14:16 | 0:02 | SSA3 | 0.07 | 0.896 | Oversupply |
| 7/4/2023 14:18 | 0:02 | SSA3 | 0.07 | 0.907 | Oversupply |
| 7/4/2023 14:20 | 0:02 | SSA3 | 0.07 | 0.913 | Oversupply |
| 7/4/2023 14:21 | 0:07 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 14:22 | 0:06 | KWP11 | 0.19725 | 15.59804 | Oversupply |
| 7/4/2023 14:22 | 0:06 | SSA3 | 0.21 | 0.029 | Oversupply |
| 7/4/2023 14:28 | 0:02 | SSA3 | 0.07 | 0.046 | Oversupply |
| 7/4/2023 14:30 | 0:02 | SSA3 | 0.07 | 0.362 | Oversupply |
| 7/4/2023 14:32 | 0:02 | SSA3 | 0.07 | 0.793 | Oversupply |
| 7/4/2023 14:34 | 0:07 | KWP11 | 0.16419 | 16.00121 | Oversupply |
| 7/4/2023 14:34 | 0:06 | SSA3 | 0.21 | 0.158 | Oversupply |
| 7/4/2023 14:35 | 0:06 | BS250 | Data is not available | Data is not available | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/4/2023 14:40 | 0:02 | SSA3 | 0.07 | -0.004 | Oversupply |
| 7/4/2023 14:42 | 0:02 | SSA3 | 0.07 | 0.389 | Oversupply |
| 7/4/2023 14:53 | 0:02 | SSA3 | 0.05 | 0.856 | Oversupply |
| 7/4/2023 14:55 | 0:10 | 17-2 | 0.10510 | 0.75000 | Oversupply |
| 7/4/2023 14:55 | 0:02 | SSA3 | 0.05 | 0.849 | Oversupply |
| 7/4/2023 14:57 | 0:02 | SSA3 | 0.05 | 0.829 | Oversupply |
| 7/4/2023 14:59 | 0:02 | SSA3 | 0.06 | 0.927 | Oversupply |
| 7/4/2023 15:01 | 0:02 | SSA3 | 0.04 | 0.727 | Oversupply |
| 7/4/2023 15:17 | 0:02 | SSA3 | 0.04 | 0.441 | Oversupply |
| 7/4/2023 15:18 | 0:04 | 17-2 | 0.02865 | 0.75000 | Oversupply |
| 7/4/2023 15:19 | 0:02 | SSA3 | 0.04 | 0.8 | Oversupply |
| 7/4/2023 15:23 | 0:03 | 17-2 | 0.03412 | 0.75000 | Oversupply |
| 7/4/2023 15:23 | 0:02 | SSA3 | 0.04 | 0.855 | Oversupply |
| 7/4/2023 16:08 | 0:05 | 17-2 | 0.04897 | 0.73900 | Oversupply |
| 7/4/2023 16:09 | 0:02 | SSA3 | 0.03 | 0.526 | Oversupply |
| 7/4/2023 16:11 | 0:01 | KWPPII | 0.00167 | 20.01599 | Oversupply |
| 7/4/2023 16:12 | 0:02 | SSA3 | 0.03 | 0.54 | Oversupply |
| 7/4/2023 16:15 | 0:07 | 17-2 | 0.04917 | 0.71100 | Oversupply |
| 7/4/2023 16:16 | 0:02 | SSA3 | 0.05 | 0.606 | Oversupply |
| 7/4/2023 16:17 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/4/2023 16:18 | 0:02 | KWPPII | 0.02075 | 20.81136 | Oversupply |
| 7/4/2023 16:18 | 0:02 | SSA3 | 0.05 | 0.005 | Oversupply |
| 7/4/2023 16:20 | 0:02 | SSA3 | 0.05 | -0.004 | Oversupply |
| 7/4/2023 16:29 | 0:01 | 17-2 | 0.00308 | 0.23000 | Oversupply |
| 7/5/2023 2:39 | 0:01 | KWPPII | 0.00440 | 19.51003 | Oversupply |
| 7/5/2023 2:42 | 0:02 | KWPPII | 0.00294 | 19.46013 | Oversupply |
| 7/5/2023 2:47 | 0:46 | KWPPII | 0.78070 | 19.54994 | Oversupply |
| 7/5/2023 9:39 | 0:01 | 17-2 | 0.00472 | 0.28300 | Oversupply |
| 7/5/2023 9:49 | 0:14 | 17-2 | 0.12113 | 0.66000 | Oversupply |
| 7/5/2023 9:50 | 0:02 | SSA3 | 0.04 | 0.61 | Oversupply |
| 7/5/2023 9:52 | 0:02 | SSA3 | 0.04 | 0.242 | Oversupply |
| 7/5/2023 9:54 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 9:54 | 0:02 | SSA3 | 0.04 | 0.172 | Oversupply |
| 7/5/2023 9:56 | 0:02 | SSA3 | 0.04 | 0.013 | Oversupply |
| 7/5/2023 9:57 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 9:58 | 0:01 | KWPPII | 0.00408 | 18.73062 | Oversupply |
| 7/5/2023 9:58 | 0:02 | SSA3 | 0.04 | -0.002 | Oversupply |
| 7/5/2023 10:00 | 0:02 | SSA3 | 0.02 | -0.002 | Oversupply |
| 7/5/2023 10:12 | 0:04 | 17-2 | 0.04400 | 0.66000 | Oversupply |
| 7/5/2023 10:12 | 0:02 | SSA3 | 0.02 | 0.182 | Oversupply |
| 7/5/2023 10:14 | 0:02 | SSA3 | 0.02 | 0.183 | Oversupply |
| 7/5/2023 10:16 | 0:06 | SSA3 | 0.06 | 0.212 | Oversupply |
| 7/5/2023 10:17 | 0:04 | KWPPII | 0.03329 | 17.65283 | Oversupply |
| 7/5/2023 10:17 | 0:18 | 17-2 | 0.19452 | 0.66000 | Oversupply |
| 7/5/2023 10:18 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 10:22 | 0:02 | SSA3 | 0.02 | -0.002 | Oversupply |
| 7/5/2023 10:24 | 0:02 | SSA3 | 0.02 | 0.147 | Oversupply |
| 7/5/2023 10:26 | 0:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 10:26 | 0:06 | SSA3 | 0.05 | 0.01 | Oversupply |
| 7/5/2023 10:27 | 0:05 | KWPPII | 0.18040 | 16.79359 | Oversupply |
| 7/5/2023 10:32 | 0:02 | SSA3 | 0.01 | 0.103 | Oversupply |
| 7/5/2023 10:37 | 0:02 | SSA3 | 0.01 | 0.18 | Oversupply |
| 7/5/2023 10:38 | 0:07 | 17-2 | 0.06252 | 0.66000 | Oversupply |
| 7/5/2023 10:39 | 0:02 | SSA3 | 0.01 | 0.177 | Oversupply |
| 7/5/2023 10:41 | 0:02 | SSA3 | 0.01 | 0.174 | Oversupply |
| 7/5/2023 10:46 | 0:01 | 17-2 | 0.00192 | 0.25700 | Oversupply |
| 7/5/2023 11:12 | 0:23 | 17-2 | 0.20410 | 0.75000 | Oversupply |
| 7/5/2023 11:15 | 0:02 | SSA3 | 0.07 | 0.801 | Oversupply |
| 7/5/2023 11:17 | 0:02 | SSA3 | 0.07 | 0.972 | Oversupply |
| 7/5/2023 11:19 | 0:02 | SSA3 | 0.07 | 0.929 | Oversupply |
| 7/5/2023 11:21 | 0:02 | SSA3 | 0.07 | 0.908 | Oversupply |
| 7/5/2023 11:23 | 0:02 | SSA3 | 0.07 | 0.908 | Oversupply |
| 7/5/2023 11:25 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 11:25 | 0:04 | SSA3 | 0.14 | 0.091 | Oversupply |
| 7/5/2023 11:26 | 0:03 | KWPPII | 0.08906 | 15.24377 | Oversupply |
| 7/5/2023 11:29 | 0:02 | SSA3 | 0.07 | -0.002 | Oversupply |
| 7/5/2023 11:33 | 0:02 | SSA3 | 0.06 | 0.313 | Oversupply |
| 7/5/2023 11:36 | 0:01 | 17-2 | 0.00680 | 0.47200 | Oversupply |
| 7/5/2023 11:40 | 0:04 | 17-2 | 0.02386 | 0.47700 | Oversupply |
| 7/5/2023 11:41 | 0:02 | SSA3 | 0.06 | 0.996 | Oversupply |
| 7/5/2023 11:45 | 0:02 | SSA3 | 0.03 | 0.291 | Oversupply |
| 7/5/2023 11:46 | 1:06 | 17-2 | 0.42638 | 0.75000 | Oversupply |
| 7/5/2023 11:47 | 0:02 | SSA3 | 0.03 | 0.3 | Oversupply |
| 7/5/2023 11:48 | 0:51 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/5/2023 11:49 | 0:50 | KWPPII | 4.97806 | 17.88037 | Oversupply |
| 7/5/2023 11:49 | 0:49 | SSA3 | 1.85 | -0.004 | Oversupply |
| 7/5/2023 12:38 | 0:02 | SSA3 | 0.09 | 0.031 | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/5/2023 12:40 | 0:02 | SSA3 | 0.09 | 0.632 | Oversupply |
| 7/5/2023 12:42 | 0:02 | SSA3 | 0.09 | 0.668 | Oversupply |
| 7/5/2023 12:44 | 0:02 | SSA3 | 0.08 | 0.324 | Oversupply |
| 7/5/2023 12:46 | 0:02 | SSA3 | 0.04 | 0.397 | Oversupply |
| 7/5/2023 12:48 | 0:02 | SSA3 | 0.04 | 0.437 | Oversupply |
| 7/5/2023 12:50 | 0:02 | SSA3 | 0.04 | 0.703 | Oversupply |
| 7/5/2023 12:54 | 0:01 | 17-2 | 0.00830 | 0.49800 | Oversupply |
| 7/5/2023 13:02 | 0:02 | 17-2 | 0.00263 | 0.57600 | Oversupply |
| 7/5/2023 13:26 | 0:01 | 17-2 | 0.00469 | 0.75000 | Oversupply |
| 7/5/2023 13:30 | 0:01 | 17-2 | 0.00144 | 0.34300 | Oversupply |
| 7/6/2023 0:05 | 0:03 | KWP1I | 0.01411 | 18.22965 | Oversupply |
| 7/6/2023 0:45 | 0:01 | KWP1I | 0.00315 | 20.55489 | Oversupply |
| 7/6/2023 0:47 | 0:01 | KWP1I | 0.01175 | 20.55089 | Oversupply |
| 7/6/2023 0:53 | 0:09 | KWP1I | 0.28105 | 19.09687 | Oversupply |
| 7/6/2023 1:06 | 0:01 | KWP1I | 0.00427 | 18.59789 | Oversupply |
| 7/6/2023 2:45 | 0:16 | KWP1I | 0.94020 | 20.24652 | Oversupply |
| 7/6/2023 3:12 | 0:40 | KWP1I | 3.69965 | 21.07981 | Oversupply |
| 7/6/2023 3:53 | 0:01 | KWP1I | 0.00498 | 20.29242 | Oversupply |
| 7/6/2023 4:58 | 0:01 | KWP1I | 0.00348 | 10.90366 | Oversupply |
| 7/6/2023 5:00 | 0:08 | KWP1I | 0.23655 | 14.75876 | Oversupply |
| 7/6/2023 5:09 | 0:02 | KWP1I | 0.02377 | 13.98834 | Oversupply |
| 7/6/2023 7:51 | 0:02 | SSA3 | 0.02 | 0.151 | Oversupply |
| 7/6/2023 7:52 | 0:01 | 17-2 | 0.00095 | 0.05700 | Oversupply |
| 7/6/2023 7:54 | 0:17 | 17-2 | 0.00089 | 0.06800 | Oversupply |
| 7/6/2023 7:55 | 0:16 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 7:55 | 0:02 | SSA3 | 0.02 | 0.292 | Oversupply |
| 7/6/2023 7:57 | 0:14 | KWP1I | 0.32351 | 18.05900 | Oversupply |
| 7/6/2023 7:57 | 0:14 | SSA3 | 0.21 | 0.011 | Oversupply |
| 7/6/2023 8:24 | 0:16 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 8:24 | 0:17 | 17-2 | 0.00089 | 0.06800 | Oversupply |
| 7/6/2023 8:25 | 0:14 | SSA3 | 0.19 | 0.004 | Oversupply |
| 7/6/2023 8:26 | 6:32 | KWP1I | 61.45635 | 21.10775 | System Constraint |
| 7/6/2023 8:39 | 0:02 | SSA3 | 0.03 | 0.136 | Oversupply |
| 7/6/2023 8:44 | 0:01 | 17-2 | 0.00005 | 0.06800 | Oversupply |
| 7/6/2023 8:56 | 0:01 | 17-2 | 0.00254 | 0.26700 | Oversupply |
| 7/6/2023 9:09 | 0:03 | 17-2 | 0.01013 | 0.25000 | Oversupply |
| 7/6/2023 9:21 | 0:03 | 17-2 | 0.00447 | 0.10500 | Oversupply |
| 7/6/2023 9:25 | 0:10 | 17-2 | 0.02409 | 0.17500 | Oversupply |
| 7/6/2023 9:30 | 0:02 | SSA3 | 0.05 | 0.657 | Oversupply |
| 7/6/2023 9:32 | 0:02 | SSA3 | 0.05 | 0.679 | Oversupply |
| 7/6/2023 9:36 | 0:02 | SSA3 | 0.05 | 0.649 | Oversupply |
| 7/6/2023 9:37 | 0:02 | 17-2 | 0.00632 | 0.19400 | Oversupply |
| 7/6/2023 9:40 | 0:03 | 17-2 | 0.00847 | 0.19800 | Oversupply |
| 7/6/2023 9:40 | 0:02 | SSA3 | 0.05 | 0.676 | Oversupply |
| 7/6/2023 9:44 | 0:17 | 17-2 | 0.07087 | 0.50700 | Oversupply |
| 7/6/2023 9:44 | 0:02 | SSA3 | 0.06 | 0.699 | Oversupply |
| 7/6/2023 9:46 | 0:02 | SSA3 | 0.05 | 0.091 | Oversupply |
| 7/6/2023 9:48 | 0:02 | SSA3 | 0.05 | 0.073 | Oversupply |
| 7/6/2023 9:50 | 0:02 | SSA3 | 0.05 | 0.707 | Oversupply |
| 7/6/2023 9:52 | 0:02 | SSA3 | 0.05 | 0.613 | Oversupply |
| 7/6/2023 9:54 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 9:54 | 0:04 | SSA3 | 0.09 | 0.024 | Oversupply |
| 7/6/2023 10:02 | 0:18 | 17-2 | 0.07683 | 0.70500 | Oversupply |
| 7/6/2023 10:02 | 0:02 | SSA3 | 0.07 | 0.723 | Oversupply |
| 7/6/2023 10:03 | 0:13 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 10:04 | 0:12 | SSA3 | 0.40 | 0.005 | Oversupply |
| 7/6/2023 10:16 | 0:02 | SSA3 | 0.06 | 0.442 | Oversupply |
| 7/6/2023 10:18 | 0:02 | SSA3 | 0.06 | 0.753 | Oversupply |
| 7/6/2023 10:30 | 0:02 | 17-2 | 0.00288 | 0.60800 | Oversupply |
| 7/6/2023 10:42 | 0:09 | 17-2 | 0.10005 | 0.74800 | Oversupply |
| 7/6/2023 10:43 | 0:02 | SSA3 | 0.06 | 0.844 | Oversupply |
| 7/6/2023 10:44 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 10:45 | 0:02 | SSA3 | 0.07 | 0.016 | Oversupply |
| 7/6/2023 10:47 | 0:02 | SSA3 | 0.07 | 0.824 | Oversupply |
| 7/6/2023 10:49 | 0:02 | SSA3 | 0.07 | 0.823 | Oversupply |
| 7/6/2023 10:53 | 0:24 | 17-2 | 0.27271 | 0.75000 | Oversupply |
| 7/6/2023 10:53 | 0:02 | SSA3 | 0.07 | 0.838 | Oversupply |
| 7/6/2023 10:54 | 0:15 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/6/2023 10:55 | 0:14 | SSA3 | 0.52 | 0.123 | Oversupply |
| 7/6/2023 11:09 | 0:02 | SSA3 | 0.08 | 0.634 | Oversupply |
| 7/6/2023 11:11 | 0:02 | SSA3 | 0.08 | 0.871 | Oversupply |
| 7/6/2023 11:13 | 0:02 | SSA3 | 0.07 | 0.73 | Oversupply |
| 7/6/2023 11:15 | 0:02 | SSA3 | 0.06 | 0.864 | Oversupply |
| 7/6/2023 11:17 | 0:02 | SSA3 | 0.06 | 0.869 | Oversupply |
| 7/6/2023 11:18 | 0:10 | 17-2 | 0.11645 | 0.75000 | Oversupply |
| 7/6/2023 11:19 | 0:02 | SSA3 | 0.06 | 0.882 | Oversupply |
| 7/6/2023 11:21 | 0:02 | SSA3 | 0.06 | 0.503 | Oversupply |



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/26/2023 11:12 | 0:01 | AWE | 0.01421 | 21.00000 | Oversupply |
| 7/26/2023 11:31 | 1:20 | AWE | 8.69871 | 21.00000 | Oversupply |
| 7/26/2023 12:53 | 0:03 | AWE | 0.04204 | 21.00000 | Oversupply |
| 7/26/2023 12:57 | 0:02 | AWE | 0.00596 | 19.20000 | Oversupply |
| 7/26/2023 13:16 | 0:01 | AWE | 0.00263 | 21.00000 | Oversupply |
| 7/26/2023 13:29 | 0:05 | AWE | 0.09138 | 21.00000 | Oversupply |
| 7/26/2023 13:38 | 0:02 | AWE | 0.02369 | 21.00000 | Oversupply |
| 7/26/2023 13:41 | 0:04 | AWE | 0.04017 | 21.00000 | Oversupply |
| 7/26/2023 14:17 | 0:20 | AWE | 0.87976 | 21.00000 | Oversupply |
| 7/26/2023 14:54 | 0:02 | SSA3 | 0.07 | 0.55 | Oversupply |
| 7/26/2023 14:56 | 0:02 | SSA3 | 0.07 | 0.621 | Oversupply |
| 7/26/2023 14:58 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/26/2023 14:58 | 0:02 | SSA3 | 0.07 | 0.007 | Oversupply |
| 7/26/2023 15:00 | 0:02 | SSA3 | 0.06 | -0.004 | Oversupply |
| 7/26/2023 15:02 | 0:02 | SSA3 | 0.06 | -0.004 | Oversupply |
| 7/26/2023 15:04 | 0:02 | SSA3 | 0.06 | 0.058 | Oversupply |
| 7/26/2023 15:08 | 0:02 | SSA3 | 0.06 | 0.728 | Oversupply |
| 7/26/2023 15:10 | 0:10 | SSA3 | 0.28 | 0.436 | Oversupply |
| 7/26/2023 15:11 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/26/2023 15:13 | 0:08 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/26/2023 15:20 | 0:02 | SSA3 | 0.05 | 0.02 | Oversupply |
| 7/26/2023 15:22 | 0:01 | KWP11 | 0.00526 | 13.31572 | System Constraint |
| 7/26/2023 15:22 | 0:02 | SSA3 | 0.05 | 0.521 | Oversupply |
| 7/26/2023 15:24 | 0:02 | SSA3 | 0.05 | 0.668 | Oversupply |
| 7/26/2023 15:26 | 0:02 | SSA3 | 0.05 | 0.663 | Oversupply |
| 7/26/2023 15:30 | 0:02 | SSA3 | 0.04 | 0.65 | Oversupply |
| 7/26/2023 15:31 | 0:10 | 17-2 | 0.06759 | 0.75000 | Oversupply |
| 7/26/2023 15:32 | 0:02 | SSA3 | 0.04 | 0.648 | Oversupply |
| 7/26/2023 15:34 | 0:02 | SSA3 | 0.04 | 0.646 | Oversupply |
| 7/26/2023 15:35 | 0:02 | KWP11 | 0.00761 | 13.33268 | System Constraint |
| 7/26/2023 15:36 | 0:02 | SSA3 | 0.04 | 0.559 | Oversupply |
| 7/26/2023 15:39 | 0:02 | SSA3 | 0.04 | 0.622 | Oversupply |
| 7/26/2023 15:46 | 1:34 | 17-2 | 0.38445 | 0.66100 | Oversupply |
| 7/26/2023 15:50 | 3:13 | KWP11 | 20.43528 | 18.97412 | System Constraint |
| 7/26/2023 15:51 | 0:02 | SSA3 | 0.05 | 0.587 | Oversupply |
| 7/26/2023 15:52 | 1:12 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/26/2023 15:53 | 1:11 | SSA3 | 1.51 | 0.006 | Oversupply |
| 7/26/2023 17:03 | 0:02 | SSA3 | 0.02 | 0.061 | Oversupply |
| 7/26/2023 17:05 | 0:02 | SSA3 | 0.02 | 0.301 | Oversupply |
| 7/26/2023 17:07 | 0:02 | SSA3 | 0.02 | 0.293 | Oversupply |
| 7/26/2023 17:09 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/26/2023 17:09 | 0:02 | SSA3 | 0.02 | 0.128 | Oversupply |
| 7/26/2023 17:11 | 0:02 | SSA3 | 0.02 | 0.071 | Oversupply |
| 7/26/2023 17:13 | 0:02 | SSA3 | 0.02 | 0.189 | Oversupply |
| 7/26/2023 17:16 | 0:02 | SSA3 | 0.02 | 0.243 | Oversupply |
| 7/26/2023 23:32 | 0:06 | KWP11 | 0.03338 | 19.58887 | Oversupply |
| 7/27/2023 0:21 | 0:01 | KWP11 | 0.00223 | 19.53996 | Oversupply |
| 7/27/2023 0:23 | 3:58 | KWP11 | 23.91515 | 19.58188 | Oversupply |
| 7/27/2023 4:27 | 0:07 | KWP11 | 0.14432 | 19.45913 | Oversupply |
| 7/27/2023 4:38 | 0:02 | KWP11 | 0.01082 | 19.07392 | Oversupply |
| 7/27/2023 4:41 | 0:08 | KWP11 | 0.13674 | 19.46512 | Oversupply |
| 7/27/2023 4:59 | 0:05 | KWP11 | 0.04557 | 19.51102 | System Constraint |
| 7/27/2023 5:25 | 4:06 | KWP11 | 19.97866 | 19.58288 | System Constraint |
| 7/27/2023 7:55 | 0:02 | SSA3 | 0.02 | 0.267 | Oversupply |
| 7/27/2023 7:56 | 0:40 | 17-2 | 0.08995 | 0.24400 | Oversupply |
| 7/27/2023 7:57 | 0:02 | SSA3 | 0.02 | 0.086 | Oversupply |
| 7/27/2023 7:59 | 0:02 | SSA3 | 0.02 | 0.29 | Oversupply |
| 7/27/2023 8:02 | 0:02 | SSA3 | 0.03 | 0.304 | Oversupply |
| 7/27/2023 8:04 | 0:02 | SSA3 | 0.03 | 0.304 | Oversupply |
| 7/27/2023 8:06 | 0:02 | SSA3 | 0.03 | 0.306 | Oversupply |
| 7/27/2023 8:08 | 0:02 | SSA3 | 0.03 | 0.323 | Oversupply |
| 7/27/2023 8:10 | 0:02 | SSA3 | 0.03 | 0.335 | Oversupply |
| 7/27/2023 8:12 | 0:02 | SSA3 | 0.03 | 0.343 | Oversupply |
| 7/27/2023 8:13 | 0:10 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 8:14 | 0:10 | SSA3 | 0.19 | 0.009 | Oversupply |
| 7/27/2023 8:24 | 0:02 | SSA3 | 0.04 | -0.002 | Oversupply |
| 7/27/2023 8:26 | 0:02 | SSA3 | 0.04 | -0.004 | Oversupply |
| 7/27/2023 8:28 | 0:02 | SSA3 | 0.04 | 0.119 | Oversupply |
| 7/27/2023 8:30 | 0:02 | SSA3 | 0.02 | 0.389 | Oversupply |
| 7/27/2023 8:32 | 0:02 | SSA3 | 0.02 | 0.412 | Oversupply |
| 7/27/2023 8:34 | 0:02 | SSA3 | 0.02 | 0.43 | Oversupply |
| 7/27/2023 8:37 | 0:01 | 17-2 | 0.00232 | 0.17400 | Oversupply |
| 7/27/2023 8:39 | 0:04 | 17-2 | 0.00945 | 0.18100 | Oversupply |
| 7/27/2023 8:40 | 0:02 | SSA3 | 0.02 | 0.067 | Oversupply |
| 7/27/2023 8:50 | 0:02 | SSA3 | 0.03 | 0.519 | Oversupply |
| 7/27/2023 8:51 | 0:03 | 17-2 | 0.00598 | 0.12800 | Oversupply |
| 7/27/2023 8:52 | 0:02 | SSA3 | 0.03 | 0.565 | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/27/2023 8:55 | 6:14 | 17-2 | 2.79734 | 0.75000 | Oversupply |
| 7/27/2023 8:56 | 0:02 | SSA3 | 0.03 | 0.586 | Oversupply |
| 7/27/2023 8:58 | 0:02 | SSA3 | 0.03 | 0.219 | Oversupply |
| 7/27/2023 9:00 | 0:02 | SSA3 | 0.04 | 0.117 | Oversupply |
| 7/27/2023 9:02 | 0:02 | SSA3 | 0.04 | 0.09 | Oversupply |
| 7/27/2023 9:04 | 0:24 | SSA3 | 0.59 | 0.092 | Oversupply |
| 7/27/2023 9:07 | 0:21 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 9:28 | 0:02 | SSA3 | 0.06 | 0.222 | Oversupply |
| 7/27/2023 9:29 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 9:30 | 0:02 | SSA3 | 0.06 | 0.01 | Oversupply |
| 7/27/2023 9:32 | 0:02 | SSA3 | 0.06 | 0.267 | Oversupply |
| 7/27/2023 9:34 | 0:02 | SSA3 | 0.06 | 0.082 | Oversupply |
| 7/27/2023 9:35 | 0:08 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 9:36 | 0:08 | SSA3 | 0.26 | 0.031 | Oversupply |
| 7/27/2023 9:41 | 0:03 | KWPPII | 0.02146 | 12.90556 | System Constraint |
| 7/27/2023 9:44 | 0:02 | SSA3 | 0.06 | 0.66 | Oversupply |
| 7/27/2023 9:46 | 0:02 | SSA3 | 0.05 | 0.721 | Oversupply |
| 7/27/2023 9:48 | 2:27 | SSA3 | 4.95 | 0.523 | Oversupply |
| 7/27/2023 9:49 | 2:29 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 9:51 | 1:41 | KWPPII | 12.38787 | 15.75971 | System Constraint |
| 7/27/2023 10:22 | 0:12 | AWE | 0.27266 | 21.00000 | Oversupply |
| 7/27/2023 10:35 | 0:01 | AWE | 0.00240 | 18.90000 | Oversupply |
| 7/27/2023 10:41 | 0:01 | AWE | 0.00326 | 19.90000 | Oversupply |
| 7/27/2023 11:33 | 1:25 | KWPPII | 6.10519 | 16.78960 | System Constraint |
| 7/27/2023 12:16 | 0:02 | SSA3 | 0.07 | 0.018 | Oversupply |
| 7/27/2023 12:18 | 0:02 | SSA3 | 0.07 | 0.168 | Oversupply |
| 7/27/2023 12:20 | 0:35 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 12:20 | 0:36 | SSA3 | 1.45 | 0.023 | Oversupply |
| 7/27/2023 12:56 | 0:10 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 12:56 | 0:10 | SSA3 | 0.41 | 0.007 | Oversupply |
| 7/27/2023 13:06 | 0:02 | SSA3 | 0.08 | 0.374 | Oversupply |
| 7/27/2023 13:08 | 0:02 | SSA3 | 0.08 | 0.955 | Oversupply |
| 7/27/2023 13:10 | 0:02 | SSA3 | 0.08 | 0.955 | Oversupply |
| 7/27/2023 13:12 | 1:53 | SSA3 | 4.40 | 0.48 | Oversupply |
| 7/27/2023 13:13 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 13:13 | 2:23 | KWPPII | 14.35939 | 16.95726 | System Constraint |
| 7/27/2023 13:16 | 1:49 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 14:18 | 0:04 | AWE | 0.04164 | 21.00000 | Oversupply |
| 7/27/2023 15:05 | 0:02 | SSA3 | 0.05 | 0.42 | Oversupply |
| 7/27/2023 15:07 | 0:02 | SSA3 | 0.05 | 0.748 | Oversupply |
| 7/27/2023 15:09 | 0:02 | SSA3 | 0.05 | 0.745 | Oversupply |
| 7/27/2023 15:10 | 0:02 | 17-2 | 0.02333 | 0.75000 | Oversupply |
| 7/27/2023 15:37 | 0:02 | KWPPII | 0.01985 | 13.70492 | System Constraint |
| 7/27/2023 15:40 | 0:13 | KWPPII | 0.30015 | 15.66191 | System Constraint |
| 7/27/2023 15:57 | 0:09 | KWPPII | 0.34352 | 16.91235 | System Constraint |
| 7/27/2023 16:13 | 0:41 | 17-2 | 0.15947 | 0.60100 | Oversupply |
| 7/27/2023 16:14 | 0:06 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 16:14 | 0:06 | SSA3 | 0.14 | 0.46 | Oversupply |
| 7/27/2023 16:15 | 0:05 | KWPPII | 0.11911 | 17.72768 | Oversupply |
| 7/27/2023 16:20 | 0:02 | SSA3 | 0.05 | -0.004 | Oversupply |
| 7/27/2023 16:22 | 0:02 | SSA3 | 0.05 | 0.167 | Oversupply |
| 7/27/2023 16:24 | 0:06 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 16:24 | 0:26 | SSA3 | 0.53 | 0.235 | Oversupply |
| 7/27/2023 16:25 | 0:04 | KWPPII | 0.09350 | 17.82747 | Oversupply |
| 7/27/2023 16:31 | 0:17 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/27/2023 16:31 | 0:17 | KWPPII | 0.76406 | 18.03605 | Oversupply |
| 7/27/2023 16:50 | 0:02 | SSA3 | 0.02 | 0.184 | Oversupply |
| 7/27/2023 16:52 | 0:02 | SSA3 | 0.02 | 0.468 | Oversupply |
| 7/27/2023 17:08 | 0:07 | 17-2 | 0.01825 | 0.21900 | Oversupply |
| 7/27/2023 17:08 | 0:02 | SSA3 | 0.01 | 0.183 | Oversupply |
| 7/27/2023 17:10 | 0:02 | SSA3 | 0.01 | 0.168 | Oversupply |
| 7/27/2023 17:12 | 0:02 | SSA3 | 0.01 | 0.223 | Oversupply |
| 7/27/2023 17:16 | 0:13 | 17-2 | 0.04592 | 0.41300 | Oversupply |
| 7/27/2023 17:20 | 0:02 | SSA3 | 0.02 | 0.302 | Oversupply |
| 7/27/2023 17:22 | 0:02 | SSA3 | 0.02 | 0.358 | Oversupply |
| 7/27/2023 17:24 | 0:02 | SSA3 | 0.02 | 0.188 | Oversupply |
| 7/27/2023 17:26 | 0:02 | SSA3 | 0.02 | 0.142 | Oversupply |
| 7/27/2023 17:30 | 0:01 | 17-2 | 0.00222 | 0.13300 | Oversupply |
| 7/27/2023 18:24 | 0:01 | 17-2 | 0.00100 | 0.06000 | Oversupply |
| 7/27/2023 22:46 | 0:07 | KWPPII | 0.09266 | 18.06698 | Oversupply |
| 7/27/2023 23:20 | 0:04 | KWPPII | 0.01251 | 18.06499 | Oversupply |
| 7/27/2023 23:56 | 0:29 | KWPPII | 1.65160 | 18.06898 | Oversupply |
| 7/28/2023 1:16 | 0:02 | KWPPII | 0.00839 | 18.06299 | Oversupply |
| 7/28/2023 1:19 | 0:23 | KWPPII | 1.12115 | 18.06898 | Oversupply |
| 7/28/2023 1:43 | 12:59 | KWPPII | 128.39328 | 18.06299 | System Constraint |
| 7/28/2023 5:49 | 0:27 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 6:21 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |



Maui Curtailment Report

July 2023

| Start Date and Time | Duration (minutes) | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---------------------|--------------------|---------------|-------------------------|-----------------------|-------------------------|
| 7/28/2023 6:25 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 6:25 | 0:02 | 17-2 | 0.00083 | 0.02500 | Oversupply |
| 7/28/2023 6:25 | 0:02 | SSA3 | 0.00 | 0.014 | Oversupply |
| 7/28/2023 6:28 | 0:02 | 17-2 | 0.00083 | 0.02500 | Oversupply |
| 7/28/2023 6:29 | 0:02 | SSA3 | 0.00 | 0.015 | Oversupply |
| 7/28/2023 6:31 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 6:31 | 0:08 | 17-2 | 0.00333 | 0.02500 | Oversupply |
| 7/28/2023 6:31 | 0:02 | SSA3 | 0.00 | 0.016 | Oversupply |
| 7/28/2023 6:34 | 0:04 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 6:35 | 0:04 | SSA3 | 0.01 | 0.02 | Oversupply |
| 7/28/2023 6:41 | 0:02 | SSA3 | 0.00 | 0.027 | Oversupply |
| 7/28/2023 6:42 | 0:02 | 17-2 | 0.00083 | 0.02500 | Oversupply |
| 7/28/2023 7:09 | 0:01 | 17-2 | 0.00080 | 0.04800 | Oversupply |
| 7/28/2023 7:14 | 0:02 | SSA3 | 0.01 | 0.113 | Oversupply |
| 7/28/2023 7:15 | 8:01 | 17-2 | 2.97749 | 0.75000 | Oversupply |
| 7/28/2023 7:16 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 7:16 | 0:32 | SSA3 | 0.33 | 0.117 | Oversupply |
| 7/28/2023 7:18 | 0:31 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 7:48 | 0:02 | SSA3 | 0.03 | -0.003 | Oversupply |
| 7/28/2023 7:50 | 0:12 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 7:50 | 0:14 | SSA3 | 0.20 | 0.007 | Oversupply |
| 7/28/2023 8:03 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 8:05 | 6:38 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 8:06 | 6:40 | SSA3 | 13.67 | 0.008 | Oversupply |
| 7/28/2023 8:59 | 0:09 | AWE | 0.10193 | 21.00000 | Oversupply |
| 7/28/2023 9:11 | 0:03 | AWE | 0.00689 | 21.00000 | Oversupply |
| 7/28/2023 9:23 | 0:01 | AWE | 0.00191 | 21.00000 | Oversupply |
| 7/28/2023 9:26 | 0:01 | AWE | 0.00104 | 21.00000 | Oversupply |
| 7/28/2023 9:28 | 0:06 | AWE | 0.09792 | 21.00000 | Oversupply |
| 7/28/2023 9:35 | 0:01 | AWE | 0.00157 | 21.00000 | Oversupply |
| 7/28/2023 9:37 | 0:02 | AWE | 0.00288 | 21.00000 | Oversupply |
| 7/28/2023 10:03 | 0:38 | AWE | 2.25138 | 21.00000 | Oversupply |
| 7/28/2023 10:43 | 0:04 | AWE | 0.04190 | 21.00000 | Oversupply |
| 7/28/2023 10:48 | 0:01 | AWE | 0.00057 | 21.00000 | Oversupply |
| 7/28/2023 10:59 | 0:01 | AWE | 0.00341 | 21.00000 | Oversupply |
| 7/28/2023 11:02 | 0:03 | AWE | 0.03940 | 21.00000 | Oversupply |
| 7/28/2023 11:06 | 0:01 | AWE | 0.00074 | 21.00000 | Oversupply |
| 7/28/2023 11:11 | 0:02 | AWE | 0.01263 | 21.00000 | Oversupply |
| 7/28/2023 12:29 | 0:01 | AWE | 0.00141 | 21.00000 | Oversupply |
| 7/28/2023 13:05 | 0:10 | AWE | 0.31868 | 21.00000 | Oversupply |
| 7/28/2023 13:16 | 0:01 | AWE | 0.01107 | 20.70000 | Oversupply |
| 7/28/2023 14:44 | 0:01 | KWPPI | 0.00080 | 13.04827 | System Constraint |
| 7/28/2023 14:45 | 0:03 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 14:46 | 0:02 | SSA3 | 0.07 | 0.103 | Oversupply |
| 7/28/2023 14:47 | 0:01 | KWPPI | 0.02049 | 13.70692 | System Constraint |
| 7/28/2023 14:48 | 0:02 | SSA3 | 0.07 | 0.2 | Oversupply |
| 7/28/2023 14:49 | 0:01 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 14:49 | 0:01 | KWPPI | 0.00117 | 13.00735 | System Constraint |
| 7/28/2023 14:52 | 0:02 | SSA3 | 0.07 | -0.003 | Oversupply |
| 7/28/2023 14:53 | 0:05 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 14:54 | 0:04 | KWPPI | 0.08473 | 14.56915 | System Constraint |
| 7/28/2023 14:54 | 0:04 | SSA3 | 0.14 | -0.004 | Oversupply |
| 7/28/2023 14:58 | 0:02 | SSA3 | 0.07 | 0.257 | Oversupply |
| 7/28/2023 15:00 | 0:02 | SSA3 | 0.05 | 0.256 | Oversupply |
| 7/28/2023 15:01 | 0:02 | BS250 | Data is not available | Data is not available | Oversupply |
| 7/28/2023 15:02 | 0:02 | SSA3 | 0.05 | 0.005 | Oversupply |
| 7/28/2023 15:04 | 0:02 | SSA3 | 0.05 | 0.644 | Oversupply |
| 7/28/2023 15:06 | 0:02 | SSA3 | 0.05 | 0.715 | Oversupply |
| 7/28/2023 15:08 | 0:02 | SSA3 | 0.05 | 0.704 | Oversupply |
| 7/28/2023 15:11 | 0:02 | SSA3 | 0.05 | 0.699 | Oversupply |
| 7/28/2023 15:13 | 0:02 | SSA3 | 0.05 | 0.689 | Oversupply |
| 7/28/2023 15:15 | 0:02 | KWPPI | 0.01990 | 13.85461 | System Constraint |
| 7/28/2023 15:33 | 0:03 | KWPPI | 0.02916 | 13.70093 | System Constraint |
| 7/28/2023 15:37 | 0:01 | KWPPI | 0.00899 | 13.53926 | System Constraint |
| 7/28/2023 15:39 | 0:02 | KWPPI | 0.03432 | 14.18893 | System Constraint |
| 7/28/2023 15:43 | 0:01 | KWPPI | 0.00997 | 13.59814 | System Constraint |
| 7/28/2023 15:45 | 0:01 | KWPPI | 0.01795 | 14.07716 | System Constraint |
| 7/28/2023 15:48 | 0:01 | KWPPI | 0.00451 | 13.27081 | System Constraint |
| 7/28/2023 15:51 | 0:02 | KWPPI | 0.00868 | 13.40753 | System Constraint |
| 7/28/2023 15:55 | 0:01 | KWPPI | 0.00074 | 13.04427 | System Constraint |
| 7/28/2023 16:00 | 0:04 | KWPPI | 0.09196 | 14.67294 | System Constraint |
| 7/28/2023 16:08 | 0:01 | KWPPI | 0.00408 | 13.29177 | System Constraint |
| 7/28/2023 16:10 | 0:03 | KWPPI | 0.04194 | 14.47834 | System Constraint |
| 7/28/2023 16:17 | 0:01 | KWPPI | 0.02449 | 14.46935 | System Constraint |
| 7/28/2023 16:23 | 0:02 | KWPPI | 0.00613 | 13.34466 | System Constraint |
| 7/28/2023 16:26 | 2:17 | KWPPI | 3.71686 | 14.98729 | System Constraint |
| 7/29/2023 0:44 | 5:34 | KWPPI | 52.67472 | 15.00825 | Oversupply |



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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



Maui Curtailment Report

July 2023

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

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Chu, Michael

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

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Account: Hawaiian Electric Company, Inc.
Date and Time Submitted: 8/28/2023, 10:41 AM
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Case or Docket Number (if applicable): 2011-0206
Filing Category/Type: Miscellaneous Filings / Letters

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