**Hawaiian Electric Company, Inc.** • PO Box 2750 • Honolulu, HI 96840-0001



June 23, 2014

The Honorable Chair and Members
of the Hawai'i Public Utilities Commission
Kekuanaoa Building, 1st Floor
465 South King Street
Honolulu, Hawai'i 96813

Dear Commissioners:

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

Pursuant to Ordering Paragraph 3 of the Commission's Order No. 30371, filed on May 4, 2012, in the above subject proceeding, enclosed as Exhibit A is the Hawaiian Electric Companies'[1] monthly report for May 2014 on (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

In addition, an electronic copy of each report is also included with this filing. These files are voluminous, and therefore, the Company is providing a compact disc ("CD") containing the electronic files to both the Commission and the Consumer Advocate. Copies of the CD will be available to any Party to this proceeding. Interested Parties should email Marisa Chun at marisa.chun@heco.com to request a copy.

If you have any questions on this matter, please contact Marisa Chun at (808) 543-4723.

Sincerely,

Daniel G. Brown
Manager
Regulatory Non-Rate Proceedings

Enclosure

cc: Service List

[1] Hawaiian Electric Company, Inc., Hawai'i Electric Light Company, Inc., and Maui Electric Company, Limited are collectively referred to as the "Hawaiian Electric Companies" or "Companies".

SERVICE LIST
(Docket No. 2011-0206)

| | |
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(Docket No. 2011-0206)

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**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 May 31, 2014):

**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, Maui Electric (Maui Division) and Hawai'i Electric Light 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, Maui Electric (Maui Division) and Hawai'i Electric Light 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 May 31, 2014):

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

Hawaiian Electric did not have any contingency reserve activations in the month of May. Maui Electric and Hawai'i Electric Light do not operate with contingency reserve requirements. Therefore, Attachment 3 is not being provided for this reporting period.

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

Hawaiian Electric, Maui Electric, and Hawai'i Electric Light did not have any under frequency load shed events for the month of May. Therefore, Attachment 4 is not being provided for this reporting period.

**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 did not have any demand response activations for system events for the month of May. Hawai'i Electric Light currently does not have demand response program. Maui Electric has implemented the Fast Demand Response pilot program on a limited basis. Hawai'i Electric Light plans to use the findings of Maui Electric's pilot program to help in the evaluation and development of future demand response programs. Maui Electric executes a weekly testing protocol which measures customer participation. This program is not currently used in response to actual system events. Therefore, Attachment 5 is not being provided for this reporting period.

(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.

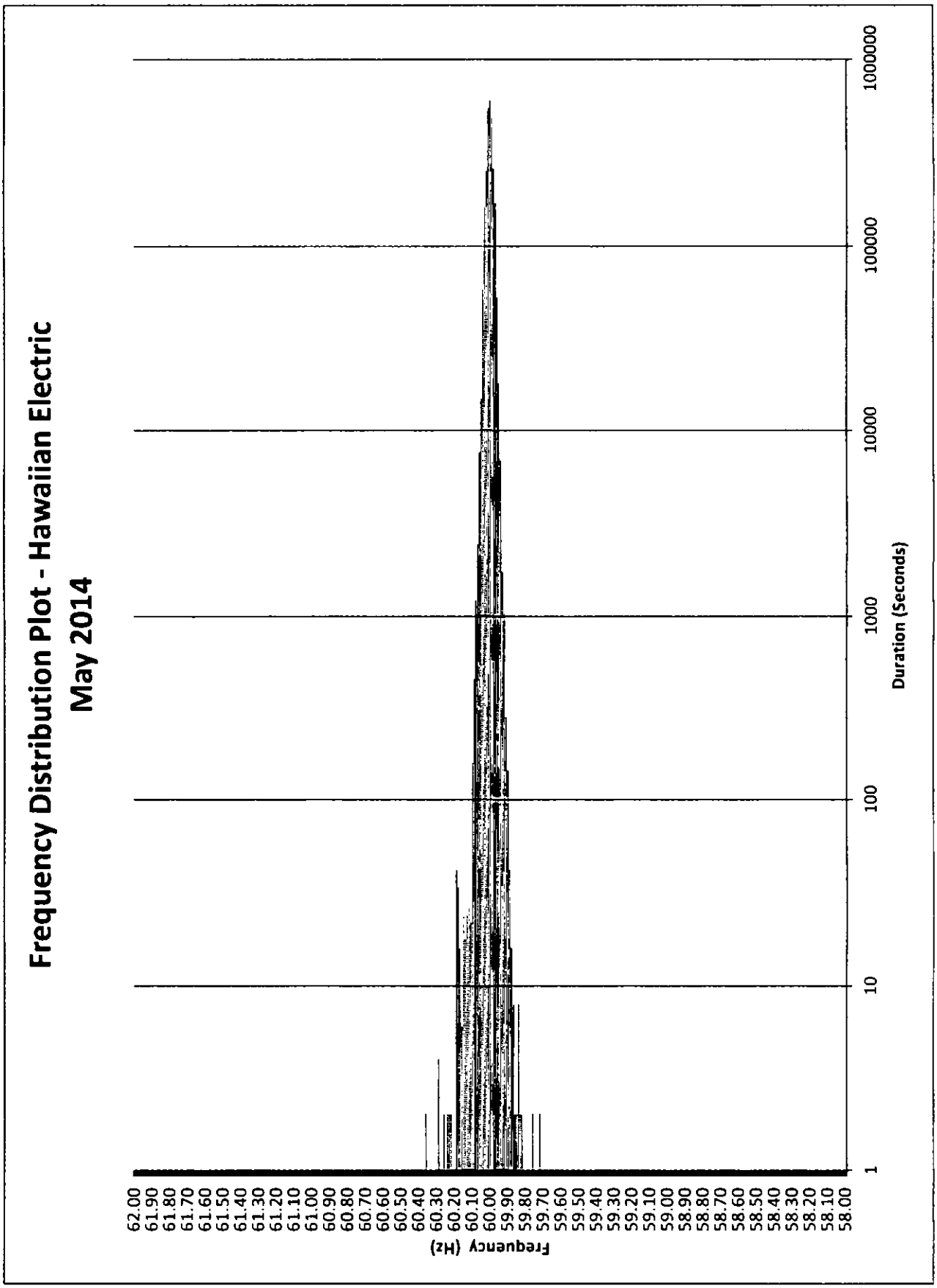
The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending May 31, 2014):

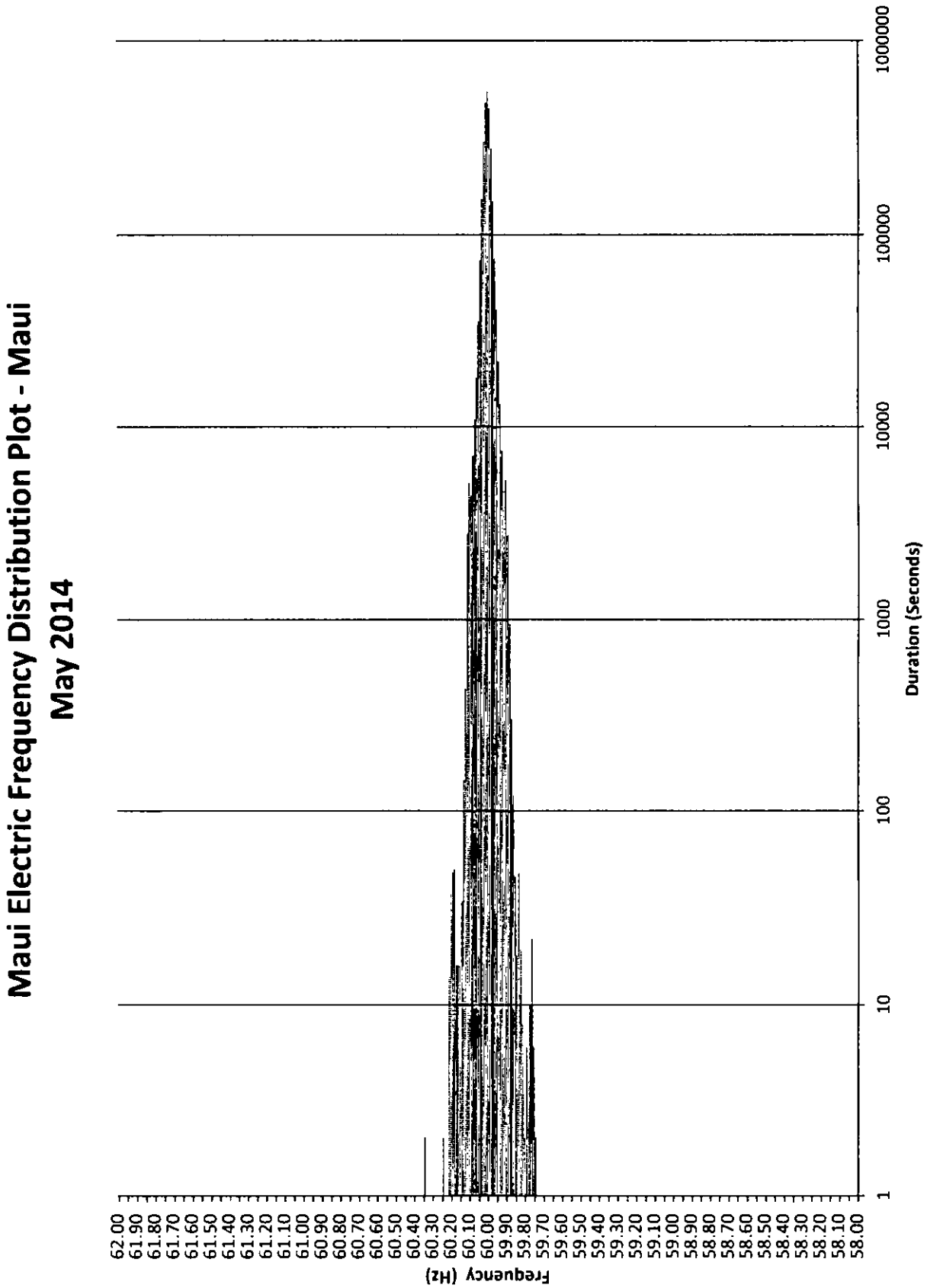
**3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:**

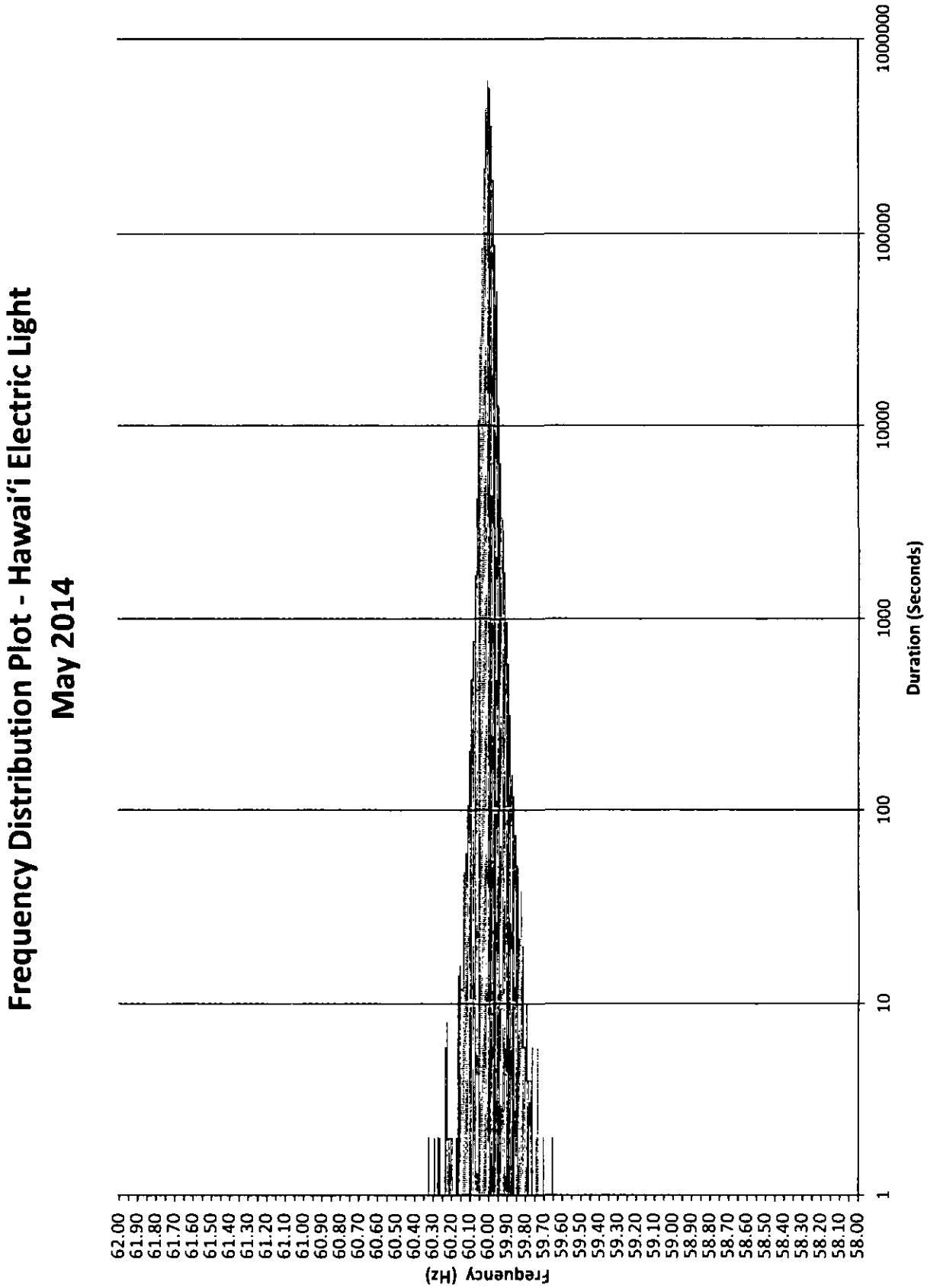
The tabulation of each curtailment event for each resource is provided in Attachment 6.

**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. Hawai'i Electric Light is not providing an estimate of curtailed MWH, as this information is not provided to Hawai'i Electric Light from the IPP. The Hawaiian Electric Companies do 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
May 2014
Frequency (Hz)
62.00
61.90
61.80
61.70
61.60
61.50
61.40
61.30
61.20
61.10
61.00
60.90
60.80
60.70
60.60
60.50
60.40
60.30
60.20
60.10
60.00
59.90
59.80
59.70
59.60
59.50
59.40
59.30
59.20
59.10
59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
1
10
100
1000
10000
100000
1000000
Duration (Seconds)


Maui Electric Frequency Distribution Plot - Maui
May 2014
Frequency (Hz)
62.00
61.90
61.80
61.70
61.60
61.50
61.40
61.30
61.20
61.10
61.00
60.90
60.80
60.70
60.60
60.50
60.40
60.30
60.20
60.10
60.00
59.90
59.80
59.70
59.60
59.50
59.40
59.30
59.20
59.10
59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
Duration (Seconds)
1
10
100
1000
10000
100000
1000000


Frequency Distribution Plot - Hawai'i Electric Light
May 2014
Frequency (Hz)
62.00
61.90
61.80
61.70
61.60
61.50
61.40
61.30
61.20
61.10
61.00
60.90
60.80
60.70
60.60
60.50
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59.20
59.10
59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
1
10
100
1000
10000
100000
1000000
Duration (Seconds)

| Hawaiian Electric Frequency Excursion Statistics<br>May 2014 | | |
|---|---|---|
| Data Rounded to the nearest | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 1308 | 1087 |
| Maximum Duration (sec) | 580 | 516 |
| Maximum Deviation (Hz) | 59.716 | 60.363 |
| Total Duration of Excursions (sec) | 15998 | 17294 |

| Maui Electric Frequency Excursion Statistics<br>May 2014 | | |
|---|---|---|
| | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 6784 | 5044 |
| Maximum Duration (sec) | 630 | 1702 |
| Maximum Deviation (Hz) | 59.739 | 60.3415 |
| Total Duration of Excursions (sec) | 74470 | 63138 |

| Hawai'i Electric Light Frequency Excursion Statistics May 2014 | | |
|---|---|---|
| | <59.95 Hz | >60.05 Hz |
| Number of Excursions | 8661 | 2545 |
| Maximum Duration (sec) | 154 | 30 |
| Maximum Deviation (Hz) | 59.652 | 60.316 |
| Total Duration of Excursions (sec) | 54298 | 11630 |

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Hawaiian Electric Curtailment Report May 2014

| 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 | Reason for Curtailment |
|---|---|---|---|---|---|---|---|
| 05/01/14 09:13 | 0 0 | 0 00 | 05/01/14 10:36 | 0 | * | KREP | Maintenance work |
| 05/01/14 16 27 | 0 0 | 2 50 | 05/01/14 17:17 | 0 | * | KREP | Maintenance work |
| 05/02/14 06:33 | 0 0 | 0 30 | 05/02/14 07 40 | 0 | * | KREP | Maintenance work |
| 05/02/14 17 17 | 0 0 | 0.50 | 05/02/14 19.36 | 0 | * | KREP | Maintenance work |
| 05/05/14 07:05 | 0 0 | 0 60 | 05/05/14 07 20 | 0 | * | KREP | Maintenance work |
| 05/06/14 09:12 | 0 0 | 2 70 | 05/06/14 09 29 | 0 | * | KREP | Maintenance work |
| 05/08/14 07:06 | 0 0 | 0.50 | 05/08/14 07 27 | 0 | * | KREP | Maintenance work |
| 05/20/14 07:13 | 0 0 | 0.90 | 05/20/14 08:13 | 0 | * | KREP | Replacement work |
| 05/20/14 17:19 | 0 0 | 0.00 | 05/20/14 18 07 | 0 | * | KREP | Replacement work |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

KLS2 = Kalaeloa Solar 2 PV Farm
KREP = Kalaeloa Renewable Energy Park
KWF = Kahuku Wind Farm
Makai = Kawailoa Makai Wind Farm
Mauka = Kawailoa Mauka Wind Farm
(1) The estimated MWh of energy curtailed during the event is supplied by Kahuku Wind Farm and/or Kawailoa Wind Farm, and HECO does not make any representations as to its accuracy.
* Data has not been provided by IPP

Maui Electric

**RSWG Maui Curtailment Report May 2014**

| Start Date and Time | Duration | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reason for Curtailment |
|---|---|---|---|---|---|
| 5/1/2014 0:00 | 0:06 | KWPII | 0.234 | 19.083 | AGC MAVG - calculated |
| 5/1/2014 0:10 | 0:01 | KWPII | 0.001 | 18.847 | AGC MAVG - calculated |
| 5/1/2014 0:13 | 0:07 | KWPII | 0.144 | 19.185 | AGC MAVG - calculated |
| 5/1/2014 0:24 | 0:13 | KWPII | 0.305 | 19.174 | AGC MAVG - calculated |
| 5/1/2014 0:38 | 0:02 | KWPII | 0.023 | 19.170 | AGC MAVG - calculated |
| 5/1/2014 0:41 | 0:02 | KWPII | 0.045 | 19.152 | AGC MAVG - calculated |
| 5/1/2014 0:44 | 0:07 | KWPII | 0.202 | 19.161 | AGC MAVG - calculated |
| 5/1/2014 0:52 | 4:21 | KWPII | 45.400 | 19.192 | AGC MAVG - calculated |
| 5/1/2014 3:34 | 0:01 | AWE | 0.011 | 3.500 | AGC MAVG - calculated |
| 5/1/2014 5:33 | 0:01 | KWPII | 0.006 | 19.164 | AGC MAVG - calculated |
| 5/1/2014 7:45 | 0:01 | AWE | 0.003 | 0.200 | AGC MAVG - calculated |
| 5/1/2014 11:29 | 0:02 | KWPII | 0.028 | 20.691 | AGC MAVG - calculated |
| 5/1/2014 11:36 | 0:02 | KWPII | 0.026 | 20.061 | AGC MAVG - calculated |
| 5/1/2014 11:43 | 0:02 | KWPII | 0.028 | 20.493 | AGC MAVG - calculated |
| 5/1/2014 11:50 | 0:01 | KWPII | 0.010 | 20.425 | AGC MAVG - calculated |
| 5/1/2014 11:56 | 0:02 | KWPII | 0.028 | 20.355 | AGC MAVG - calculated |
| 5/1/2014 12:10 | 0:03 | AWE | 0.123 | 18.200 | AGC MAVG - calculated and Testing |
| 5/1/2014 12:15 | 0:52 | AWE | 8.656 | 19.800 | AGC MAVG - calculated and Testing |
| 5/1/2014 13:10 | 0:01 | KWPII | 0.001 | 19.879 | AGC MAVG - calculated and Testing |
| 5/1/2014 13:12 | 0:02 | KWPII | 0.075 | 19.905 | AGC MAVG - calculated and Testing |
| 5/1/2014 13:36 | 0:01 | KWPII | 0.002 | 19.371 | AGC MAVG - calculated and Testing |
| 5/1/2014 14:07 | 0:01 | KWPII | 0.005 | 20.051 | AGC MAVG - calculated and Testing |
| 5/1/2014 14:42 | 0:01 | KWPII | 0.014 | 20.498 | AGC MAVG - calculated and Testing |
| 5/1/2014 21:36 | 0:05 | KWPII | 0.082 | 19.450 | AGC MAVG - calculated |
| 5/1/2014 23:00 | 0:16 | KWPII | 0.738 | 20.483 | AGC MAVG - calculated |
| 5/1/2014 23:17 | 0:18 | KWPII | 1.098 | 18.349 | AGC MAVG - calculated |
| 5/1/2014 23:36 | 0:16 | KWPII | 0.839 | 17.062 | AGC MAVG - calculated |
| 5/1/2014 23:58 | 0:10 | KWPII | 0.236 | 11.943 | AGC MAVG - calculated |
| 5/2/2014 0:09 | 0:01 | KWPII | 0.018 | 10.675 | AGC MAVG - calculated |
| 5/2/2014 0:11 | 0:20 | KWPII | 0.807 | 12.589 | AGC MAVG - calculated |
| 5/2/2014 2:06 | 0:01 | KWPII | 0.001 | 0.057 | AGC MAVG - calculated |
| 5/2/2014 3:20 | 0:22 | KWPII | 1.311 | 6.420 | AGC MAVG - calculated |
| 5/2/2014 3:21 | 0:02 | AWE | 0.013 | 20.000 | AGC MAVG - calculated |
| 5/2/2014 3:25 | 0:04 | AWE | 0.067 | 17.800 | AGC MAVG - calculated |
| 5/2/2014 3:31 | 0:07 | AWE | 0.219 | 18.600 | AGC MAVG - calculated |
| 5/2/2014 4:08 | 0:01 | KWPII | 0.002 | 0.444 | AGC MAVG - calculated |
| 5/2/2014 4:11 | 0:02 | AWE | 0.030 | 21.000 | AGC MAVG - calculated |
| 5/2/2014 4:12 | 0:29 | KWPII | 4.430 | 13.973 | AGC MAVG - calculated |
| 5/2/2014 4:14 | 0:03 | AWE | 0.026 | 21.000 | AGC MAVG - calculated |
| 5/2/2014 4:18 | 0:01 | AWE | 0.018 | 21.000 | AGC MAVG - calculated |
| 5/2/2014 4:20 | 0:06 | AWE | 0.152 | 20.900 | AGC MAVG - calculated |
| 5/2/2014 4:27 | 0:01 | AWE | 0.027 | 18.900 | AGC MAVG - calculated |
| 5/2/2014 4:30 | 0:04 | AWE | 0.080 | 20.100 | AGC MAVG - calculated |
| 5/2/2014 4:35 | 0:02 | AWE | 0.019 | 19.700 | AGC MAVG - calculated |
| 5/2/2014 4:42 | 0:01 | KWPII | 0.000 | 1.823 | AGC MAVG - calculated |
| 5/2/2014 4:44 | 0:06 | KWPII | 0.228 | 8.557 | AGC MAVG - calculated |
| 5/2/2014 4:56 | 0:03 | KWPII | 0.018 | 8.120 | AGC MAVG - calculated |
| 5/2/2014 12:35 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated |
| 5/3/2014 14:26 | 0:01 | KWP | 0.002 | 0.112 | AGC MAVG - calculated |
| 5/1/2014 14:31 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated |
| 5/3/2014 15:00 | 0:01 | KWP | 0.001 | 0.064 | AGC MAVG - calculated |
| 5/4/2014 1:40 | 0:02 | KWP | 0.001 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 1:45 | 0:02 | KWP | 0.001 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 1:48 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 1:53 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated |
| 5/4/2014 2:08 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 6:04 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated |
| 5/4/2014 6:07 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated |
| 5/4/2014 7:46 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 7:48 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/4/2014 14:08 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/5/2014 15:40 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/6/2014 4:56 | 0:01 | KWPII | 0.002 | 0.130 | AGC MAVG - calculated |
| 5/6/2014 11:28 | 0:01 | KWP | 0.002 | 0.096 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/7/2014 2:41 | 0:04 | AWE | 0.049 | 20.300 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/9/2014 13:48 | 0:05 | KWPII | 0.247 | 6.236 | AGC MAVG - calculated and Operating Conditions on Company's System |
| 5/9/2014 17:27 | 0:01 | KWP | 0.001 | 0.032 | AGC MAVG - calculated and Operating Conditions on Company's System |
| 5/9/2014 17:27 | 0:01 | AWE | 0.001 | 0.032 | AGC MAVG - calculated and Operating Conditions on Company's System |
| 5/10/2014 4:55 | 0:02 | KWP | 0.001 | 0.048 | AGC MAVG - calculated |
| 5/10/2014 4:55 | 0:02 | AWE | 0.001 | 0.048 | AGC MAVG - calculated |
| 5/10/2014 13:04 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 13:04 | 0:01 | AWE | 0.000 | 0.016 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 13:10 | 0:01 | KWP | 0.001 | 0.080 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 13:10 | 0:01 | AWE | 0.001 | 0.080 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 13:40 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 13:40 | 0:01 | AWE | 0.000 | 0.016 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/10/2014 23:08 | 0:01 | KWPII | 0.000 | 0.027 | AGC MAVG - calculated |
| 5/11/2014 5:22 | 0:01 | KWPII | 0.008 | 14.135 | AGC MAVG - calculated |
| 5/11/2014 5:24 | 0:05 | KWPII | 0.040 | 13.861 | AGC MAVG - calculated |
| 5/11/2014 5:40 | 0:02 | KWPII | 0.025 | 12.510 | AGC MAVG - calculated |
| 5/11/2014 11:35 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/11/2014 11:35 | 0:01 | AWE | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/11/2014 11:37 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/11/2014 11:37 | 0:01 | AWE | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/12/2014 0:25 | 0:01 | KWPII | 0.005 | 18.732 | AGC MAVG - calculated |
| 5/12/2014 0:27 | 0:02 | KWPII | 0.019 | 18.716 | AGC MAVG - calculated |
| 5/12/2014 0:35 | 0:01 | KWPII | 0.006 | 18.986 | AGC MAVG - calculated |
| 5/12/2014 23:45 | 0:01 | KWPII | 0.003 | 20.708 | AGC MAVG - calculated |
| 5/12/2014 23:48 | 0:01 | KWPII | 0.010 | 20.708 | AGC MAVG - calculated |
| 5/12/2014 23:51 | 0:13 | KWPII | 0.342 | 20.708 | AGC MAVG - calculated |
| 5/13/2014 0:05 | 1:31 | KWPII | 8.217 | 20.706 | AGC MAVG - calculated |
| 5/13/2014 1:37 | 0:01 | KWPII | 0.013 | 20.608 | AGC MAVG - calculated |
| 5/13/2014 1:48 | 1:25 | KWPII | 10.362 | 20.700 | AGC MAVG - calculated |
| 5/13/2014 3:24 | 0:01 | KWPII | 0.023 | 19.097 | AGC MAVG - calculated |
| 5/13/2014 3:27 | 0:06 | KWPII | 0.196 | 20.043 | AGC MAVG - calculated |
| 5/13/2014 3:36 | 0:01 | KWPII | 0.028 | 20.316 | AGC MAVG - calculated |
| 5/13/2014 3:38 | 0:22 | KWPII | 1.516 | 20.630 | AGC MAVG - calculated |
| 5/13/2014 4:01 | 0:06 | KWPII | 0.254 | 20.593 | AGC MAVG - calculated |
| 5/13/2014 4:10 | 0:08 | KWPII | 0.205 | 20.534 | AGC MAVG - calculated |
| 5/13/2014 4:19 | 0:13 | KWPII | 0.362 | 20.564 | AGC MAVG - calculated |
| 5/13/2014 4:33 | 0:02 | KWPII | 0.024 | 20.463 | AGC MAVG - calculated |
| 5/13/2014 4:36 | 0:09 | KWPII | 0.221 | 20.645 | AGC MAVG - calculated |
| 5/13/2014 4:46 | 0:01 | KWPII | 0.022 | 20.544 | AGC MAVG - calculated |
| 5/13/2014 4:48 | 0:01 | KWPII | 0.011 | 20.535 | AGC MAVG - calculated |
| 5/13/2014 15:43 | 0:01 | KWPII | 0.004 | 20.667 | AGC MAVG - calculated |
| 5/13/2014 23:58 | 0:10 | KWPII | 0.328 | 18.990 | AGC MAVG - calculated |
| 5/14/2014 0:28 | 0:18 | KWPII | 0.523 | 17.957 | AGC MAVG - calculated |
| 5/14/2014 0:47 | 0:02 | KWPII | 0.051 | 17.081 | AGC MAVG - calculated |
| 5/14/2014 0:50 | 0:03 | KWPII | 0.074 | 16.889 | AGC MAVG - calculated |
| 5/14/2014 0:54 | 0:06 | KWPII | 0.130 | 15.877 | AGC MAVG - calculated |
| 5/14/2014 1:01 | 0:01 | KWPII | 0.002 | 13.469 | AGC MAVG - calculated |

Maui Electric

**RSWG Maui Curtailment Report May 2014**

| Start Date and Time | Duration | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|
| 5/14/2014 17:47 | 0:01 | KWPII | 0.005 | 20.286 | AGC MAVG - calculated |
| 5/15/2014 12:28 | 0:01 | KWPII | 0.001 | 0.041 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/15/2014 12:28 | 0:01 | AWE | 0.001 | 0.041 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 2:46 | 0:01 | KWP | 0.002 | 0.096 | AGC MAVG - calculated |
| 5/16/2014 8:53 | 0:01 | KWPII | 0.000 | 0.014 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 8:53 | 0:01 | AWE | 0.000 | 0.014 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 10:28 | 0:01 | KWPII | 0.000 | 0.022 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 10:28 | 0:01 | AWE | 0.000 | 0.022 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 10:35 | 0:01 | KWPII | 0.000 | 0.015 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 10:35 | 0:01 | AWE | 0.000 | 0.015 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/16/2014 13:53 | 0:01 | KWPII | 0.000 | 0.020 | AGC MAVG - calculated |
| 5/16/2014 13:53 | 0:01 | AWE | 0.000 | 0.020 | AGC MAVG - calculated |
| 5/17/2014 22:57 | 0:01 | KWP | 0.002 | 0.096 | AGC MAVG - calculated |
| 5/20/2014 11:31 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/22/2014 10:04 | 0:01 | KWP | 0.001 | 0.060 | AGC MAVG - calculated |
| 5/22/2014 19:16 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/23/2014 10:26 | 0:01 | KWPII | 0.000 | 0.026 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/24/2014 10:58 | 0:01 | KWP | 0.001 | 0.048 | AGC MAVG - calculated |
| 5/26/2014 4:39 | 0:01 | KWP | 0.001 | 0.064 | AGC MAVG - calculated |
| 5/26/2014 5:57 | 0:01 | KWP | 0.000 | 0.016 | AGC MAVG - calculated |
| 5/26/2014 10:17 | 0:43 | KWPII | 7.587 | 20.333 | AGC MAVG - calculated |
| 5/26/2014 10:29 | 0:02 | AWE | 0.028 | 21.000 | AGC MAVG - calculated |
| 5/26/2014 11:01 | 0:01 | KWPII | 0.011 | 17.937 | AGC MAVG - calculated |
| 5/26/2014 11:06 | 0:05 | KWPII | 0.112 | 19.791 | AGC MAVG - calculated |
| 5/26/2014 11:14 | 0:02 | KWPII | 0.027 | 20.096 | AGC MAVG - calculated |
| 5/26/2014 11:20 | 0:01 | KWPII | 0.002 | 20.222 | AGC MAVG - calculated |
| 5/26/2014 11:23 | 0:09 | KWPII | 0.177 | 20.589 | AGC MAVG - calculated |
| 5/26/2014 11:33 | 0:05 | KWPII | 0.097 | 20.142 | AGC MAVG - calculated |
| 5/26/2014 17:50 | 0:01 | KWPII | 0.004 | 20.628 | AGC MAVG - calculated |
| 5/26/2014 22:29 | 0:18 | KWPII | 1.597 | 20.702 | AGC MAVG - calculated and Good Engineering and Operating Practices |
| 5/26/2014 22:48 | 0:01 | KWPII | 0.015 | 20.564 | AGC MAVG - calculated |
| 5/26/2014 22:58 | 0:23 | KWPII | 0.789 | 20.698 | AGC MAVG - calculated |
| 5/26/2014 23:27 | 4:11 | KWPII | 56.310 | 20.706 | AGC MAVG - calculated |
| 5/27/2014 2:05 | 0:01 | AWE | 0.009 | 19.600 | AGC MAVG - calculated |
| 5/27/2014 2:07 | 0:19 | AWE | 0.496 | 21.000 | AGC MAVG - calculated |
| 5/27/2014 2:27 | 0:01 | AWE | 0.007 | 17.300 | AGC MAVG - calculated |
| 5/27/2014 2:29 | 0:04 | AWE | 0.036 | 18.300 | AGC MAVG - calculated |
| 5/27/2014 2:35 | 0:42 | AWE | 2.313 | 21.000 | AGC MAVG - calculated |
| 5/27/2014 3:18 | 0:01 | AWE | 0.032 | 18.300 | AGC MAVG - calculated |
| 5/27/2014 3:21 | 0:13 | AWE | 0.272 | 18.100 | AGC MAVG - calculated |
| 5/27/2014 3:49 | 0:35 | KWPII | 10.904 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 3:46 | 0:11 | AWE | 0.282 | 21.000 | AGC MAVG - calculated |
| 5/27/2014 3:58 | 0:12 | AWE | 0.188 | 21.000 | AGC MAVG - calculated |
| 5/27/2014 4:18 | 1:23 | KWPII | 13.921 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 5:45 | 0:02 | KWPII | 0.018 | 20.618 | AGC MAVG - calculated |
| 5/27/2014 6:39 | 0:08 | KWPII | 0.173 | 20.635 | AGC MAVG - calculated |
| 5/27/2014 6:54 | 0:01 | KWPII | 0.002 | 20.674 | AGC MAVG - calculated |
| 5/27/2014 6:58 | 0:02 | KWPII | 0.005 | 20.514 | AGC MAVG - calculated |
| 5/27/2014 7:00 | 0:01 | KWPII | 0.001 | 20.676 | AGC MAVG - calculated |
| 5/27/2014 7:26 | 0:01 | KWPII | 0.002 | 20.706 | AGC MAVG - calculated |
| 5/27/2014 7:41 | 0:01 | KWPII | 0.003 | 20.704 | AGC MAVG - calculated |
| 5/27/2014 7:45 | 0:03 | KWPII | 0.012 | 20.706 | AGC MAVG - calculated |
| 5/27/2014 7:49 | 0:11 | KWPII | 0.030 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 8:34 | 0:01 | KWPII | 0.003 | 20.699 | AGC MAVG - calculated |
| 5/27/2014 8:08 | 0:01 | KWPII | 0.001 | 20.445 | AGC MAVG - calculated |
| 5/27/2014 9:54 | 0:01 | KWPII | 0.000 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 9:56 | 0:02 | KWPII | 0.016 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 10:00 | 0:02 | KWPII | 0.021 | 20.702 | AGC MAVG - calculated |
| 5/27/2014 10:19 | 0:03 | KWPII | 0.037 | 20.704 | AGC MAVG - calculated |
| 5/27/2014 10:23 | 0:01 | KWPII | 0.006 | 20.678 | AGC MAVG - calculated |
| 5/27/2014 10:26 | 0:01 | KWPII | 0.007 | 20.703 | AGC MAVG - calculated |
| 5/27/2014 10:29 | 0:10 | KWPII | 0.145 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 10:41 | 0:01 | KWPII | 0.007 | 20.697 | AGC MAVG - calculated |
| 5/27/2014 10:45 | 0:05 | KWPII | 0.051 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 10:57 | 0:04 | KWPII | 0.033 | 20.700 | AGC MAVG - calculated |
| 5/27/2014 11:03 | 0:01 | KWPII | 0.002 | 20.699 | AGC MAVG - calculated |
| 5/27/2014 11:07 | 0:01 | KWPII | 0.006 | 20.670 | AGC MAVG - calculated |
| 5/27/2014 11:10 | 0:02 | KWPII | 0.012 | 20.688 | AGC MAVG - calculated |
| 5/27/2014 11:29 | 0:01 | KWPII | 0.002 | 20.686 | AGC MAVG - calculated |
| 5/27/2014 11:34 | 0:01 | KWPII | 0.003 | 20.690 | AGC MAVG - calculated |
| 5/27/2014 12:30 | 0:01 | KWPII | 0.010 | 20.292 | AGC MAVG - calculated |
| 5/27/2014 12:32 | 0:01 | KWPII | 0.028 | 20.050 | AGC MAVG - calculated |
| 5/27/2014 22:24 | 0:29 | KWPII | 1.280 | 20.708 | AGC MAVG - calculated |
| 5/27/2014 22:58 | 4:19 | KWPII | 60.730 | 20.708 | AGC MAVG - calculated |
| 5/28/2014 0:43 | 0:01 | AWE | 0.009 | 21.000 | AGC MAVG - calculated |
| 5/28/2014 0:52 | 0:01 | AWE | 0.007 | 20.500 | AGC MAVG - calculated |
| 5/28/2014 1:08 | 0:01 | AWE | 0.012 | 17.800 | AGC MAVG - calculated |
| 5/28/2014 1:58 | 0:01 | AWE | 0.000 | 13.800 | AGC MAVG - calculated |
| 5/28/2014 2:16 | 0:02 | AWE | 0.018 | 14.600 | AGC MAVG - calculated |
| 5/28/2014 2:24 | 0:04 | AWE | 0.097 | 14.800 | AGC MAVG - calculated |
| 5/28/2014 2:29 | 0:38 | AWE | 2.658 | 21.000 | AGC MAVG - calculated |
| 5/28/2014 3:08 | 0:04 | AWE | 0.111 | 15.800 | AGC MAVG - calculated |
| 5/28/2014 3:18 | 1:29 | KWPII | 25.134 | 20.683 | AGC MAVG - calculated |
| 5/28/2014 3:46 | 0:18 | AWE | 0.692 | 18.800 | AGC MAVG - calculated |
| 5/28/2014 4:03 | 0:27 | AWE | 1.254 | 20.400 | AGC MAVG - calculated |
| 5/28/2014 4:31 | 0:01 | AWE | 0.002 | 17.000 | AGC MAVG - calculated |
| 5/28/2014 4:33 | 0:02 | AWE | 0.032 | 16.900 | AGC MAVG - calculated |
| 5/28/2014 4:49 | 1:03 | KWPII | 13.801 | 20.708 | AGC MAVG - calculated |
| 5/28/2014 4:50 | 0:03 | AWE | 0.012 | 19.200 | AGC MAVG - calculated |
| 5/28/2014 5:54 | 0:27 | KWPII | 2.564 | 20.708 | AGC MAVG - calculated |
| 5/28/2014 6:55 | 0:04 | KWPII | 0.038 | 20.703 | AGC MAVG - calculated |
| 5/28/2014 7:18 | 0:03 | KWPII | 0.030 | 20.687 | AGC MAVG - calculated |
| 5/28/2014 7:22 | 0:01 | KWPII | 0.015 | 20.696 | AGC MAVG - calculated |
| 5/28/2014 7:38 | 0:02 | KWPII | 0.024 | 20.593 | AGC MAVG - calculated |
| 5/28/2014 7:45 | 0:02 | KWPII | 0.009 | 20.630 | AGC MAVG - calculated |
| 5/28/2014 11:00 | 0:01 | KWPII | 0.004 | 20.307 | AGC MAVG - calculated |
| 5/28/2014 11:03 | 0:02 | KWPII | 0.018 | 20.570 | AGC MAVG - calculated |
| 5/28/2014 11:29 | 0:01 | KWPII | 0.023 | 19.797 | AGC MAVG - calculated |
| 5/28/2014 12:53 | 0:01 | KWPII | 0.004 | 20.125 | AGC MAVG - calculated |
| 5/28/2014 13:48 | 0:05 | KWPII | 0.113 | 20.632 | AGC MAVG - calculated and Testing |
| 5/28/2014 13:58 | 0:01 | KWPII | 0.004 | 19.766 | AGC MAVG - calculated and Testing |
| 5/28/2014 14:52 | 0:03 | KWPII | 0.039 | 20.567 | AGC MAVG - calculated and Testing |
| 5/28/2014 15:02 | 0:01 | KWPII | 0.008 | 20.633 | AGC MAVG - calculated and Testing |
| 5/28/2014 22:14 | 0:03 | KWPII | 0.029 | 20.645 | AGC MAVG - calculated |
| 5/28/2014 22:19 | 0:01 | KWPII | 0.013 | 20.651 | AGC MAVG - calculated |
| 5/28/2014 22:33 | 0:02 | KWPII | 0.012 | 20.677 | AGC MAVG - calculated |
| 5/28/2014 22:37 | 0:01 | KWPII | 0.004 | 20.648 | AGC MAVG - calculated |
| 5/28/2014 22:40 | 0:01 | KWPII | 0.011 | 20.667 | AGC MAVG - calculated |
| 5/28/2014 22:58 | 0:36 | KWPII | 2.025 | 20.708 | AGC MAVG - calculated |
| 5/28/2014 23:36 | 0:06 | KWPII | 0.177 | 20.708 | AGC MAVG - calculated |
| 5/28/2014 23:45 | 0:02 | KWPII | 0.033 | 20.652 | AGC MAVG - calculated |

Maui Electric

**RSWG Maui Curtailment Report May 2014**

| Start Date and Time | Duration | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|
| 5/28/2014 23:46 | 0:03 | KWPII | 0.064 | 20,671 | AGC MAVG - calculated |
| 5/28/2014 23:52 | 3:27 | KWPII | 48.293 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 1:21 | 0:06 | AWE | 0.121 | 18,200 | AGC MAVG - calculated |
| 5/29/2014 1:49 | 0:01 | AWE | 0.002 | 14,000 | AGC MAVG - calculated |
| 5/29/2014 2:19 | 0:01 | AWE | 0.001 | 13,200 | AGC MAVG - calculated |
| 5/29/2014 2:21 | 0:05 | AWE | 0.110 | 14,800 | AGC MAVG - calculated |
| 5/29/2014 2:57 | 0:19 | AWE | 0.755 | 16,500 | AGC MAVG - calculated |
| 5/29/2014 3:21 | 1:26 | KWPII | 23.404 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 3:23 | 0:01 | AWE | 0.003 | 10,700 | AGC MAVG - calculated |
| 5/29/2014 4:29 | 0:06 | AWE | 0.194 | 18,500 | AGC MAVG - calculated |
| 5/29/2014 4:36 | 0:01 | AWE | 0.031 | 17,200 | AGC MAVG - calculated |
| 5/29/2014 4:38 | 0:01 | AWE | 0.005 | 15,500 | AGC MAVG - calculated |
| 5/29/2014 4:42 | 0:01 | AWE | 0.007 | 15,200 | AGC MAVG - calculated |
| 5/29/2014 4:48 | 0:40 | KWPII | 6.613 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 5:31 | 0:06 | KWPII | 0.243 | 20,707 | AGC MAVG - calculated |
| 5/29/2014 5:47 | 0:01 | KWPII | 0.011 | 20,706 | AGC MAVG - calculated |
| 5/29/2014 6:50 | 0:02 | KWPII | 0.034 | 20,706 | AGC MAVG - calculated |
| 5/29/2014 6:58 | 0:02 | KWPII | 0.035 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 6:01 | 0:08 | KWPII | 0.351 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 6:12 | 0:01 | KWPII | 0.018 | 20,704 | AGC MAVG - calculated |
| 5/29/2014 6:18 | 0:01 | KWPII | 0.011 | 20,704 | AGC MAVG - calculated |
| 5/29/2014 6:23 | 0:16 | KWPII | 0.540 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 6:49 | 0:02 | KWPII | 0.005 | 20,707 | AGC MAVG - calculated |
| 5/29/2014 6:19 | 0:01 | KWPII | 0.007 | 20,704 | AGC MAVG - calculated |
| 5/29/2014 6:21 | 0:01 | KWPII | 0.006 | 20,702 | AGC MAVG - calculated |
| 5/29/2014 6:30 | 0:01 | KWPII | 0.001 | 20,707 | AGC MAVG - calculated |
| 5/29/2014 6:35 | 0:01 | KWPII | 0.003 | 20,707 | AGC MAVG - calculated |
| 5/29/2014 6:40 | 0:01 | KWPII | 0.004 | 20,706 | AGC MAVG - calculated |
| 5/29/2014 6:42 | 0:01 | KWPII | 0.003 | 20,705 | AGC MAVG - calculated |
| 5/29/2014 9:02 | 0:02 | KWPII | 0.012 | 20,830 | AGC MAVG - calculated and Testing |
| 5/29/2014 9:13 | 0:02 | KWPII | 0.016 | 20,664 | AGC MAVG - calculated and Testing |
| 5/29/2014 9:18 | 0:15 | KWPII | 0.506 | 20,708 | AGC MAVG - calculated and Testing |
| 5/29/2014 9:34 | 0:04 | KWPII | 0.118 | 20,706 | AGC MAVG - calculated and Testing |
| 5/29/2014 9:39 | 0:32 | KWPII | 1.429 | 20,707 | AGC MAVG - calculated and Testing |
| 5/29/2014 10:13 | 0:01 | KWPII | 0.014 | 20,651 | AGC MAVG - calculated and Testing |
| 5/29/2014 10:20 | 0:01 | KWPII | 0.004 | 20,633 | AGC MAVG - calculated |
| 5/29/2014 10:25 | 0:02 | KWPII | 0.021 | 20,518 | AGC MAVG - calculated |
| 5/29/2014 23:29 | 0:08 | KWPII | 0.191 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 23:39 | 0:03 | KWPII | 0.038 | 20,708 | AGC MAVG - calculated |
| 5/29/2014 23:43 | 0:09 | KWPII | 0.284 | 20,708 | AGC MAVG - calculated |
| 5/30/2014 0:26 | 4:37 | KWPII | 69.597 | 20,708 | AGC MAVG - calculated |
| 5/30/2014 1:51 | 0:19 | AWE | 0.641 | 21,000 | AGC MAVG - calculated |
| 5/30/2014 2:13 | 0:03 | AWE | 0.023 | 16,800 | AGC MAVG - calculated |
| 5/30/2014 2:25 | 0:13 | AWE | 0.520 | 21,000 | AGC MAVG - calculated |
| 5/30/2014 2:41 | 0:03 | AWE | 0.121 | 20,400 | AGC MAVG - calculated |
| 5/30/2014 2:45 | 0:03 | AWE | 0.057 | 20,000 | AGC MAVG - calculated |
| 5/30/2014 2:49 | 0:01 | AWE | 0.012 | 20,100 | AGC MAVG - calculated |
| 5/30/2014 2:57 | 0:02 | AWE | 0.029 | 16,800 | AGC MAVG - calculated |
| 5/30/2014 3:01 | 0:07 | AWE | 0.180 | 19,100 | AGC MAVG - calculated |
| 5/30/2014 3:15 | 0:53 | AWE | 2.489 | 21,000 | AGC MAVG - calculated |
| 5/30/2014 4:09 | 0:14 | AWE | 0.370 | 19,100 | AGC MAVG - calculated |
| 5/30/2014 4:24 | 0:02 | AWE | 0.032 | 14,400 | AGC MAVG - calculated |
| 5/30/2014 4:28 | 0:30 | AWE | 1.527 | 21,000 | AGC MAVG - calculated |
| 5/30/2014 5:00 | 0:01 | AWE | 0.018 | 17,100 | AGC MAVG - calculated |
| 5/30/2014 5:06 | 1:11 | KWPII | 9.309 | 20,405 | AGC MAVG - calculated |
| 5/30/2014 6:18 | 0:08 | KWPII | 0.552 | 18,859 | AGC MAVG - calculated |
| 5/30/2014 6:27 | 0:35 | KWPII | 3.883 | 19,749 | AGC MAVG - calculated |
| 5/30/2014 7:03 | 0:01 | KWPII | 0.007 | 15,340 | AGC MAVG - calculated |
| 5/30/2014 11:08 | 0:02 | KWPII | 0.028 | 18,747 | AGC MAVG - calculated |
| 5/30/2014 11:28 | 0:07 | KWPII | 0.135 | 20,523 | AGC MAVG - calculated |
| 5/30/2014 11:48 | 0:01 | KWPII | 0.011 | 20,452 | AGC MAVG - calculated |
| 5/30/2014 11:55 | 0:01 | KWPII | 0.034 | 20,130 | AGC MAVG - calculated |
| 5/30/2014 12:03 | 0:02 | KWPII | 0.033 | 20,252 | AGC MAVG - calculated |
| 5/30/2014 12:10 | 0:01 | KWPII | 0.030 | 19,829 | AGC MAVG - calculated |
| 5/30/2014 12:12 | 0:01 | KWPII | 0.039 | 19,737 | AGC MAVG - calculated |
| 5/30/2014 12:29 | 0:02 | KWPII | 0.015 | 20,475 | AGC MAVG - calculated |
| 5/30/2014 12:33 | 0:03 | KWPII | 0.109 | 20,502 | AGC MAVG - calculated |
| 5/30/2014 12:38 | 0:02 | KWPII | 0.057 | 20,370 | AGC MAVG - calculated |
| 5/30/2014 12:41 | 0:01 | KWPII | 0.032 | 19,931 | AGC MAVG - calculated |
| 5/30/2014 12:43 | 0:04 | KWPII | 0.185 | 20,492 | AGC MAVG - calculated |
| 5/30/2014 12:49 | 0:02 | KWPII | 0.087 | 20,589 | AGC MAVG - calculated |
| 5/30/2014 12:54 | 0:03 | KWPII | 0.043 | 20,490 | AGC MAVG - calculated |
| 5/30/2014 12:56 | 0:01 | KWPII | 0.013 | 20,547 | AGC MAVG - calculated |
| 5/30/2014 13:01 | 0:01 | KWPII | 0.023 | 20,539 | AGC MAVG - calculated |
| 5/30/2014 13:03 | 0:01 | KWPII | 0.029 | 20,627 | AGC MAVG - calculated |
| 5/30/2014 13:11 | 0:01 | KWPII | 0.000 | 20,339 | AGC MAVG - calculated |
| 5/30/2014 13:15 | 0:02 | KWPII | 0.018 | 20,363 | AGC MAVG - calculated |
| 5/30/2014 13:19 | 0:02 | KWPII | 0.053 | 20,553 | AGC MAVG - calculated |
| 5/30/2014 23:35 | 0:01 | KWPII | 0.020 | 7,735 | AGC MAVG - calculated |
| 5/30/2014 23:39 | 0:01 | KWPII | 0.018 | 6,691 | AGC MAVG - calculated |
| 5/30/2014 23:45 | 0:05 | KWPII | 0.163 | 16,397 | AGC MAVG - calculated |
| 5/31/2014 0:02 | 0:01 | KWPII | 0.005 | 13,915 | AGC MAVG - calculated |
| 5/31/2014 0:09 | 1:24 | KWPII | 19.308 | 20,209 | AGC MAVG - calculated |
| 5/31/2014 0:43 | 0:06 | AWE | 0.042 | 17,200 | AGC MAVG - calculated |
| 5/31/2014 1:11 | 0:12 | AWE | 0.213 | 17,100 | AGC MAVG - calculated |
| 5/31/2014 1:25 | 0:01 | AWE | 0.009 | 14,700 | AGC MAVG - calculated |
| 5/31/2014 1:34 | 5:26 | KWPII | 68.277 | 20,633 | AGC MAVG - calculated |
| 5/31/2014 1:40 | 0:01 | AWE | 0.015 | 12,500 | AGC MAVG - calculated |
| 5/31/2014 1:44 | 0:02 | AWE | 0.017 | 12,600 | AGC MAVG - calculated |
| 5/31/2014 1:47 | 0:02 | AWE | 0.034 | 13,300 | AGC MAVG - calculated |
| 5/31/2014 1:50 | 0:02 | AWE | 0.019 | 12,300 | AGC MAVG - calculated |
| 5/31/2014 1:54 | 0:01 | AWE | 0.010 | 11,800 | AGC MAVG - calculated |
| 5/31/2014 1:56 | 0:01 | AWE | 0.000 | 12,900 | AGC MAVG - calculated |
| 5/31/2014 2:11 | 0:07 | AWE | 0.084 | 12,900 | AGC MAVG - calculated |
| 5/31/2014 2:19 | 0:02 | AWE | 0.026 | 12,000 | AGC MAVG - calculated |
| 5/31/2014 2:23 | 0:01 | AWE | 0.024 | 11,800 | AGC MAVG - calculated |
| 5/31/2014 2:29 | 2:55 | AWE | 14.324 | 16,800 | AGC MAVG - calculated |
| 5/31/2014 5:25 | 0:01 | AWE | 0.005 | 16,400 | AGC MAVG - calculated |
| 5/31/2014 5:27 | 0:01 | AWE | 0.001 | 15,100 | AGC MAVG - calculated |
| 5/31/2014 5:29 | 0:01 | AWE | 0.012 | 17,400 | AGC MAVG - calculated |
| 5/31/2014 5:37 | 0:08 | AWE | 0.193 | 19,100 | AGC MAVG - calculated |
| 5/31/2014 5:41 | 0:01 | AWE | 0.019 | 15,900 | AGC MAVG - calculated |
| 5/31/2014 5:44 | 0:10 | AWE | 0.170 | 19,200 | AGC MAVG - calculated |
| 5/31/2014 5:55 | 0:02 | AWE | 0.053 | 19,300 | AGC MAVG - calculated |
| 5/31/2014 6:08 | 0:04 | AWE | 0.051 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:13 | 0:15 | AWE | 0.317 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:29 | 0:02 | AWE | 0.044 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:32 | 0:03 | AWE | 0.071 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:37 | 0:01 | AWE | 0.002 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:41 | 0:01 | AWE | 0.003 | 21,000 | AGC MAVG - calculated |
| 5/31/2014 6:47 | 0:03 | AWE | 0.010 | 21,000 | AGC MAVG - calculated |

Maui Electric

## RSWG Maui Curtailment Report May 2014

| Start Date and Time | Duration | IPP Curtailed | Estimated Curtailed MWH | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|
| 5/31/2014 6:51 | 0:02 | AWE | 0.013 | 21.000 | AGC MAVG - calculated |
| 5/31/2014 6:54 | 0:01 | AWE | 0.007 | 21.000 | AGC MAVG - calculated |
| 5/31/2014 7:07 | 0:36 | KWPII | 6.074 | 20.188 | AGC MAVG - calculated |
| 5/31/2014 7:45 | 0:01 | KWPII | 0.005 | 18.967 | AGC MAVG - calculated |
| 5/31/2014 7:46 | 0:07 | KWPII | 0.168 | 19.419 | AGC MAVG - calculated |
| 5/31/2014 7:58 | 0:01 | KWPII | 0.032 | 19.355 | AGC MAVG - calculated |
| 5/31/2014 8:01 | 0:17 | KWPII | 1.116 | 20.392 | AGC MAVG - calculated |
| 5/31/2014 8:19 | 0:08 | KWPII | 0.192 | 19.995 | AGC MAVG - calculated |
| 5/31/2014 8:28 | 0:02 | KWPII | 0.080 | 19.423 | AGC MAVG - calculated |
| 5/31/2014 8:32 | 0:30 | KWPII | 2.137 | 19.128 | AGC MAVG - calculated |
| 5/31/2014 9:04 | 0:01 | KWPII | 0.004 | 18.782 | AGC MAVG - calculated |

Notes

- Curtailment for Kaheawa Wind Power ("KWP"), Makila Hydroelectric ("MH"), AAAAA Rent-A-Space Maui LTD ("5A"), Biorest Solar, LLC ("BS"), Auwahi Wind Energy ("AWE"), and Kaheawa Wind Power II ("KWPII") may now be controlled by Maui Electric's Automatic Generation Control System ("AGC") or a Maui Electric operator-entered curtailment limit. The AGC curtailment control automatically calculates the amount of Maximum Allowable Variable Generation ("MAVG") that Maui Electric can accept into the Maui system based on the system current available variable generation ("CAVG"), regulating reserve down requirement ("RRDR"), and available regulating reserve down ("ARRD"). Thus, the AGC MAVG - calculated is equal to CAVG less (RRDR less ARRD). Additionally, the AGC curtailment control allows the Maui Electric operator to enter an AGC MAVG value. The AGC curtailment control will employ the lesser of the AGC MAVG - calculated and AGC MAVG - entered values in the control logic.

- Maui Electric upgraded the SCADA controls to permit the curtailment of the Makila Hydroelectric ("MH") facility to Net Zero Protocol and uncurtailment of the MH facility without opening and closing the Maui Electric and MH interconnection circuit breaker.

- On November 22, 2013, Maui Electric established Biorest Solar, LLC ("BS") curtailment control. BS is in the same curtailment seniority group as AAAAA Rent-A-Space Maui LTD ("5A").

- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information provided by AWE, KWP, and KWPII. Maui Electric does not make any representation as to its accuracy.

- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by 5A, BS, or MH.

- Curtailment signals sent to 5A or BS during nighttime hours are not recorded as curtailment events because no energy generation is possible during that time.

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/1/2014 8:53 | 5/1/2014 8 54 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 8 57 | 5/1/2014 13:17 | 4 21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 13 25 | 5/1/2014 13 42 | 0 18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 13 53 | 5/1/2014 14 02 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 14 04 | 5/1/2014 14 05 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 15 09 | 5/1/2014 15 15 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/1/2014 15 25 | 5/1/2014 15 25 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 8 26 | 5/2/2014 8 27 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 8 30 | 5/2/2014 8 33 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 9 49 | 5/2/2014 9 51 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 9 56 | 5/2/2014 10 26 | 0 31 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 10 28 | 5/2/2014 11 46 | 1:19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 11:49 | 5/2/2014 12:20 | 0 32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 22 | 5/2/2014 12 27 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 30 | 5/2/2014 12 30 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 32 | 5/2/2014 12 33 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 35 | 5/2/2014 12 37 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 40 | 5/2/2014 12 49 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 12 56 | 5/2/2014 12 57 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 13 10 | 5/2/2014 13 16 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 13 18 | 5/2/2014 13 18 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 13 20 | 5/2/2014 13 27 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 13 46 | 5/2/2014 13 49 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 13 56 | 5/2/2014 13 56 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 14 20 | 5/2/2014 14 23 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 14 28 | 5/2/2014 14 36 | 0 09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 14 46 | 5/2/2014 15 18 | 0 33 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 15 21 | 5/2/2014 15 30 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 15 34 | 5/2/2014 15 39 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 16 06 | 5/2/2014 16 50 | 0 45 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 16 52 | 5/2/2014 16 52 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 17 18 | 5/2/2014 17 20 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/2/2014 17 29 | 5/2/2014 17:32 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 7 31 | 5/3/2014 7 34 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 7 38 | 5/3/2014 7 41 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 7 44 | 5/3/2014 8 09 | 0 26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 8 13 | 5/3/2014 8 13 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 8 18 | 5/3/2014 8 18 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 8 25 | 5/3/2014 8 26 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 8 28 | 5/3/2014 8 41 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 8 44 | 5/3/2014 9 22 | 0 39 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 9 27 | 5/3/2014 9 27 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 9 30 | 5/3/2014 9 36 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 9 38 | 5/3/2014 10 22 | 0 45 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| *5/3/2014 10 30* | *5/3/2014 10 30* | *0 01* | *LSR* | *Data is not available* | *Data is not available* | *Good Engineering and Operating Practices* |
| 5/3/2014 10 33 | 5/3/2014 10 34 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 10 47 | 5/3/2014 10 47 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 11:09 | 5/3/2014 11 19 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 11:21 | 5/3/2014 12 44 | 1.24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 12 48 | 5/3/2014 12 55 | 0 08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 12 58 | 5/3/2014 13 05 | 0 08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 13 07 | 5/3/2014 13 21 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 13 28 | 5/3/2014 13 43 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 13 45 | 5/3/2014 13 51 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/3/2014 14 18 | 5/3/2014 14 19 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 7 18 | 5/4/2014 7 43 | 0 26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 7 45 | 5/4/2014 7 54 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 8 20 | 5/4/2014 8 22 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 8 28 | 5/4/2014 8 36 | 0 09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 8 40 | 5/4/2014 9 42 | 1 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 9 45 | 5/4/2014 10 08 | 0 24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 10 | 5/4/2014 10 18 | 0 09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 20 | 5/4/2014 10 28 | 0 09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 37 | 5/4/2014 10 41 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 44 | 5/4/2014 10 49 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 51 | 5/4/2014 10 53 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 10 58 | 5/4/2014 11 03 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 11 06 | 5/4/2014 13 45 | 2 40 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 13 50 | 5/4/2014 13:54 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 14 07 | 5/4/2014 14 24 | 0 18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 14 26 | 5/4/2014 14 28 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 14 31 | 5/4/2014 14 47 | 0 17 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 14 50 | 5/4/2014 14 50 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 07 | 5/4/2014 15 17 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 19 | 5/4/2014 15 23 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 29 | 5/4/2014 15 30 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 34 | 5/4/2014 15 36 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 42 | 5/4/2014 15 42 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 44 | 5/4/2014 15:48 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 15 52 | 5/4/2014 15 53 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 16 27 | 5/4/2014 16 30 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 16 37 | 5/4/2014 16 39 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/4/2014 17 43 | 5/4/2014 17 50 | 0 08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/5/2014 6 59 | 5/5/2014 7 00 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/5/2014 7 02 | 5/5/2014 8 05 | 1:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/5/2014 15 50 | 5/5/2014 16 04 | 0 15 | LSR | Data is not available | Data is not available | Testing |
| 5/7/2014 13 25 | 5/7/2014 13 37 | 0 13 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h:mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/8/2014 7:24 | 5/8/2014 8:34 | 1:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 9:15 | 5/8/2014 9:16 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 9:19 | 5/8/2014 9:27 | 0:09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 9:32 | 5/8/2014 9:34 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 9:36 | 5/8/2014 9:44 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 9:48 | 5/8/2014 9:48 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 10:15 | 5/8/2014 10:15 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 10:20 | 5/8/2014 10:23 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 10:25 | 5/8/2014 10:30 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 12:00 | 5/8/2014 12:01 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 12:04 | 5/8/2014 12:04 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 17:48 | 5/8/2014 18:11 | 0:24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/8/2014 18:19 | 5/8/2014 18:23 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 6:39 | 5/9/2014 6:45 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 6:49 | 5/9/2014 7:05 | 0:17 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 7:45 | 5/9/2014 7:48 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 7:57 | 5/9/2014 7:57 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 7:59 | 5/9/2014 7:59 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 8:01 | 5/9/2014 8:01 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 8:27 | 5/9/2014 8:27 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 8:43 | 5/9/2014 8:58 | 0:16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 9:06 | 5/9/2014 9:08 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 9:39 | 5/9/2014 9:39 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 9:41 | 5/9/2014 9:41 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 10:47 | 5/9/2014 10:49 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 11:20 | 5/9/2014 11:26 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 11:52 | 5/9/2014 11:53 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 12:21 | 5/9/2014 12:24 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 15:43 | 5/9/2014 15:47 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 15:50 | 5/9/2014 15:53 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/9/2014 16:05 | 5/9/2014 16:07 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 6:48 | 5/10/2014 6:48 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 7:10 | 5/10/2014 7:10 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 7:12 | 5/10/2014 7:12 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 7:22 | 5/10/2014 7:42 | 0:21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 7:51 | 5/10/2014 8:01 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 8:15 | 5/10/2014 8:16 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 8:41 | 5/10/2014 8:46 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 8:49 | 5/10/2014 8:52 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 8:57 | 5/10/2014 9:01 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 9:06 | 5/10/2014 9:13 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 9:21 | 5/10/2014 9:21 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 9:33 | 5/10/2014 9:44 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 9:50 | 5/10/2014 9:50 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 10:15 | 5/10/2014 10:15 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 10:22 | 5/10/2014 10:26 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 10:34 | 5/10/2014 10:35 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 10:48 | 5/10/2014 10:49 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 10:59 | 5/10/2014 11:00 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 11:29 | 5/10/2014 11:48 | 0:20 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 12:13 | 5/10/2014 12:26 | 0:14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 12:29 | 5/10/2014 12:29 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 12:49 | 5/10/2014 13:20 | 0:32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 13:24 | 5/10/2014 13:44 | 0:21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 14:03 | 5/10/2014 14:07 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/10/2014 15:46 | 5/10/2014 16:15 | 0:30 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 8:48 | 5/11/2014 8:44 | 1:59 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 9:16 | 5/11/2014 9:28 | 0:13 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 9:30 | 5/11/2014 9:51 | 0:22 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 9:55 | 5/11/2014 10:01 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 10:03 | 5/11/2014 10:03 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 10:06 | 5/11/2014 10:28 | 0:23 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 10:33 | 5/11/2014 10:38 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 12:11 | 5/11/2014 12:15 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 12:22 | 5/11/2014 12:36 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 12:38 | 5/11/2014 12:46 | 0:09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 13:08 | 5/11/2014 13:08 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 13:12 | 5/11/2014 13:14 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 13:51 | 5/11/2014 13:54 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 14:04 | 5/11/2014 14:14 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 14:34 | 5/11/2014 14:34 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 14:59 | 5/11/2014 15:03 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:06 | 5/11/2014 15:08 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:20 | 5/11/2014 15:22 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:24 | 5/11/2014 15:34 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:43 | 5/11/2014 15:43 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:47 | 5/11/2014 15:48 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:51 | 5/11/2014 15:51 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 15:53 | 5/11/2014 15:54 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:02 | 5/11/2014 16:03 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:05 | 5/11/2014 16:09 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:12 | 5/11/2014 16:13 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:16 | 5/11/2014 16:30 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:33 | 5/11/2014 16:41 | 0:09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 16:46 | 5/11/2014 16:46 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 17:29 | 5/11/2014 17:31 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/11/2014 17:33 | 5/11/2014 17:39 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h:mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/11/2014 17 42 | 5/11/2014 17 57 | 0 16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 7 49 | 5/12/2014 7 49 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 10 | 5/12/2014 8 10 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 33 | 5/12/2014 8 33 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 37 | 5/12/2014 8 38 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 42 | 5/12/2014 8 43 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 47 | 5/12/2014 8 50 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 53 | 5/12/2014 8 54 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 8 58 | 5/12/2014 9 00 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 03 | 5/12/2014 9 08 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 10 | 5/12/2014 9 15 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 17 | 5/12/2014 9 22 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 24 | 5/12/2014 9 27 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 31 | 5/12/2014 9 34 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 37 | 5/12/2014 9 38 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 43 | 5/12/2014 9 46 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 48 | 5/12/2014 9 49 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 52 | 5/12/2014 9 53 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 9 55 | 5/12/2014 9 57 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 01 | 5/12/2014 10 01 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 05 | 5/12/2014 10 05 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 07 | 5/12/2014 10 09 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 11 | 5/12/2014 10 12 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 14 | 5/12/2014 10 16 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 18 | 5/12/2014 10 18 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 21 | 5/12/2014 10 24 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 28 | 5/12/2014 10 29 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 31 | 5/12/2014 10 34 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 37 | 5/12/2014 10 38 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 40 | 5/12/2014 10 41 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 46 | 5/12/2014 10 48 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 52 | 5/12/2014 10 54 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 10 57 | 5/12/2014 10 59 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 04 | 5/12/2014 11 05 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 07 | 5/12/2014 11 13 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 16 | 5/12/2014 11 30 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 32 | 5/12/2014 11 42 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 45 | 5/12/2014 11 45 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 11 47 | 5/12/2014 11 58 | 0 12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 12 00 | 5/12/2014 12 04 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 12 07 | 5/12/2014 12 08 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 12 10 | 5/12/2014 12 24 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 12 26 | 5/12/2014 12 46 | 0 21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 12 48 | 5/12/2014 12 58 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 13 00 | 5/12/2014 13 42 | 0 43 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 13 44 | 5/12/2014 13 57 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 14 02 | 5/12/2014 15 18 | 1 17 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 15 30 | 5/12/2014 15 31 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 15 34 | 5/12/2014 15 52 | 0 19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 15 57 | 5/12/2014 16 00 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 02 | 5/12/2014 16 04 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 07 | 5/12/2014 16 08 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 11 | 5/12/2014 16 15 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 18 | 5/12/2014 16 32 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 34 | 5/12/2014 16 35 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 37 | 5/12/2014 16 38 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 44 | 5/12/2014 16 44 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 47 | 5/12/2014 16 48 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 50 | 5/12/2014 16 50 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 52 | 5/12/2014 16 53 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 16 57 | 5/12/2014 16 57 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 01 | 5/12/2014 17 02 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 07 | 5/12/2014 17 07 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 12 | 5/12/2014 17 13 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 17 | 5/12/2014 17 19 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 22 | 5/12/2014 17 22 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 24 | 5/12/2014 17 29 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 31 | 5/12/2014 17 34 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 37 | 5/12/2014 17 39 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 42 | 5/12/2014 17 42 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/12/2014 17 45 | 5/12/2014 17 46 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 7 44 | 5/13/2014 7 44 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 7 49 | 5/13/2014 7 49 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 7 53 | 5/13/2014 7 54 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 7 58 | 5/13/2014 7 58 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 01 | 5/13/2014 8 02 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 06 | 5/13/2014 8 07 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 13 | 5/13/2014 8 16 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 18 | 5/13/2014 8 19 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 21 | 5/13/2014 8 22 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 24 | 5/13/2014 8 27 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 29 | 5/13/2014 8 34 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 36 | 5/13/2014 8 57 | 0 22 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 8 59 | 5/13/2014 9 40 | 0 42 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 9 43 | 5/13/2014 9 52 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 9 54 | 5/13/2014 16 48 | 6 55 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/13/2014 17 38 | 5/13/2014 17 38 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/14/2014 7:37 | 5/14/2014 7:37 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 7:39 | 5/14/2014 12:04 | 4:26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 12:11 | 5/14/2014 12:12 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 12:19 | 5/14/2014 13:17 | 0:59 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 13:19 | 5/14/2014 13:30 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 13:41 | 5/14/2014 13:41 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 14:05 | 5/14/2014 14:51 | 0:47 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 14:56 | 5/14/2014 15:18 | 0:23 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 15:26 | 5/14/2014 15:54 | 0:29 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 15:56 | 5/14/2014 15:59 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 16:01 | 5/14/2014 16:20 | 0:20 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 16:22 | 5/14/2014 16:27 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 17:04 | 5/14/2014 17:04 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 17:06 | 5/14/2014 17:12 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 17:17 | 5/14/2014 17:19 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 17:21 | 5/14/2014 17:27 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/14/2014 17:30 | 5/14/2014 17:31 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 8:25 | 5/15/2014 8:25 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 8:36 | 5/15/2014 8:41 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:15 | 5/15/2014 9:16 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:19 | 5/15/2014 9:22 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:26 | 5/15/2014 9:27 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:29 | 5/15/2014 9:31 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:33 | 5/15/2014 9:33 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:36 | 5/15/2014 9:37 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:43 | 5/15/2014 9:45 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:48 | 5/15/2014 9:48 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:51 | 5/15/2014 9:51 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 9:58 | 5/15/2014 10:02 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 10:07 | 5/15/2014 10:08 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 10:10 | 5/15/2014 10:19 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 10:24 | 5/15/2014 10:33 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 10:35 | 5/15/2014 11:28 | 0:54 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 11:31 | 5/15/2014 11:31 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 11:34 | 5/15/2014 12:05 | 0:32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 12:09 | 5/15/2014 12:14 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 12:21 | 5/15/2014 12:25 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 12:29 | 5/15/2014 12:32 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 12:39 | 5/15/2014 12:41 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/15/2014 12:47 | 5/15/2014 12:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 7:15 | 5/16/2014 8:07 | 0:53 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 8:47 | 5/16/2014 8:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 8:55 | 5/16/2014 8:57 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 9:58 | 5/16/2014 10:02 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 11:24 | 5/16/2014 11:33 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 11:43 | 5/16/2014 11:44 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 11:54 | 5/16/2014 11:56 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 11:58 | 5/16/2014 11:59 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 12:07 | 5/16/2014 12:18 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 12:31 | 5/16/2014 12:34 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 12:42 | 5/16/2014 12:43 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 12:47 | 5/16/2014 12:52 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 12:58 | 5/16/2014 13:02 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:08 | 5/16/2014 13:13 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:20 | 5/16/2014 13:20 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:33 | 5/16/2014 13:34 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:44 | 5/16/2014 13:46 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:52 | 5/16/2014 13:54 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 13:58 | 5/16/2014 14:05 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 14:10 | 5/16/2014 14:11 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 14:13 | 5/16/2014 16:51 | 2:39 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 16:54 | 5/16/2014 17:35 | 0:42 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 17:41 | 5/16/2014 17:41 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/16/2014 17:43 | 5/16/2014 17:48 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 7:38 | 5/17/2014 7:38 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 7:41 | 5/17/2014 9:10 | 1:30 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 9:18 | 5/17/2014 9:19 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 9:26 | 5/17/2014 9:28 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 9:30 | 5/17/2014 9:30 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 9:34 | 5/17/2014 9:39 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 9:42 | 5/17/2014 9:55 | 0:14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 11:14 | 5/17/2014 11:15 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 11:24 | 5/17/2014 11:27 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 11:29 | 5/17/2014 11:29 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 11:37 | 5/17/2014 11:52 | 0:16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 12:04 | 5/17/2014 12:10 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 12:24 | 5/17/2014 14:06 | 1:43 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:08 | 5/17/2014 14:28 | 0:19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:29 | 5/17/2014 14:30 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:33 | 5/17/2014 14:43 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:45 | 5/17/2014 14:50 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:52 | 5/17/2014 14:55 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 14:57 | 5/17/2014 14:57 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 15:00 | 5/17/2014 15:00 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 15:02 | 5/17/2014 15:04 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 15:09 | 5/17/2014 15:23 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 15:33 | 5/17/2014 15:47 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/17/2014 15 49 | 5/17/2014 16 20 | 0 32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 16 25 | 5/17/2014 16 26 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 16 30 | 5/17/2014 16 30 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 16 36 | 5/17/2014 16 36 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 16:57 | 5/17/2014 16 57 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 17:00 | 5/17/2014 17:01 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 17 03 | 5/17/2014 17 12 | 0.10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 17 31 | 5/17/2014 17 31 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 17 33 | 5/17/2014 17 37 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/17/2014 17 42 | 5/17/2014 17 44 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 7 02 | 5/18/2014 7 08 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 7 42 | 5/18/2014 7 42 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 7 45 | 5/18/2014 8 00 | 0 16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 9 15 | 5/18/2014 9 18 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 9 20 | 5/18/2014 9 20 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 9 24 | 5/18/2014 9 24 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 9 28 | 5/18/2014 9 33 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 9 55 | 5/18/2014 10 23 | 0 29 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 10 52 | 5/18/2014 10 53 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 11 26 | 5/18/2014 11 27 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 11:33 | 5/18/2014 11:33 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 11 47 | 5/18/2014 11 57 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 12 19 | 5/18/2014 12 24 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 15 36 | 5/18/2014 15 38 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 16 13 | 5/18/2014 16 26 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 16 30 | 5/18/2014 16 34 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 16 37 | 5/18/2014 16 55 | 0 19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 17 02 | 5/18/2014 17 11 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 17 22 | 5/18/2014 17 22 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/18/2014 17 35 | 5/18/2014 17 38 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 7 05 | 5/19/2014 7 28 | 0 24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 8 26 | 5/19/2014 8 28 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 8 31 | 5/19/2014 8 37 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 8 42 | 5/19/2014 8 46 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 9 35 | 5/19/2014 9 36 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 10 20 | 5/19/2014 10 22 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 10 34 | 5/19/2014 10 39 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/19/2014 13 50 | 5/19/2014 13 53 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 7 08 | 5/20/2014 7 12 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 8 12 | 5/20/2014 8 22 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 8 29 | 5/20/2014 9 38 | 1:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 9 40 | 5/20/2014 9 58 | 0 19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 01 | 5/20/2014 10 02 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 04 | 5/20/2014 10 17 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 22 | 5/20/2014 10 31 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 33 | 5/20/2014 10 39 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 47 | 5/20/2014 10 50 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 10 55 | 5/20/2014 11 05 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 12 05 | 5/20/2014 12 06 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 13 30 | 5/20/2014 13 30 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 13 44 | 5/20/2014 13 45 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 14 17 | 5/20/2014 14:17 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 14 38 | 5/20/2014 14 38 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 18 | 5/20/2014 15 18 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 20 | 5/20/2014 15 20 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 23 | 5/20/2014 15 27 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 30 | 5/20/2014 15 31 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 41 | 5/20/2014 15 41 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 15 53 | 5/20/2014 16 09 | 0 17 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 16 12 | 5/20/2014 16 28 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 16 28 | 5/20/2014 16 29 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 16 32 | 5/20/2014 16 33 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 16 42 | 5/20/2014 16 52 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 17:01 | 5/20/2014 17:01 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 17:20 | 5/20/2014 17 24 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 17 26 | 5/20/2014 17 26 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/20/2014 17 28 | 5/20/2014 18 07 | 0 40 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 8 43 | 5/21/2014 11 45 | 3 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 12 10 | 5/21/2014 12 23 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 12 36 | 5/21/2014 12 36 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 09 | 5/21/2014 13 32 | 0 24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 34 | 5/21/2014 13 36 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 38 | 5/21/2014 13 38 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 40 | 5/21/2014 13 40 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 46 | 5/21/2014 13 56 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 13 59 | 5/21/2014 14 49 | 0.51 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 14 52 | 5/21/2014 15 02 | 0 11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 15 04 | 5/21/2014 15 23 | 0 20 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 15 30 | 5/21/2014 15 33 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 15 35 | 5/21/2014 15 36 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 15 50 | 5/21/2014 16 20 | 0 31 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/21/2014 16 22 | 5/21/2014 17 35 | 1:14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 7 43 | 5/22/2014 7 43 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 7 45 | 5/22/2014 7 45 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 8:12 | 5/22/2014 8:12 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 8:16 | 5/22/2014 8 22 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 8 52 | 5/22/2014 8 52 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/22/2014 9:20 | 5/22/2014 9:20 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 9:22 | 5/22/2014 9:24 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 9:30 | 5/22/2014 9:37 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 9:51 | 5/22/2014 10:22 | 0:32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 11:52 | 5/22/2014 14:13 | 2:22 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 14:15 | 5/22/2014 14:16 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/22/2014 17:34 | 5/22/2014 17:43 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 7:37 | 5/23/2014 8:05 | 0:29 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 9:01 | 5/23/2014 10:26 | 1:26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 10:28 | 5/23/2014 10:46 | 0:19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 10:48 | 5/23/2014 10:57 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 10:59 | 5/23/2014 11:06 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 11:11 | 5/23/2014 11:18 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 11:21 | 5/23/2014 11:25 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 11:28 | 5/23/2014 11:30 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 11:32 | 5/23/2014 11:32 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 11:35 | 5/23/2014 12:06 | 0:32 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 12:08 | 5/23/2014 12:33 | 0:26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 12:35 | 5/23/2014 12:41 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 12:43 | 5/23/2014 12:46 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 12:48 | 5/23/2014 12:52 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 12:55 | 5/23/2014 12:59 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:01 | 5/23/2014 13:01 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:08 | 5/23/2014 13:09 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:11 | 5/23/2014 13:11 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:18 | 5/23/2014 13:18 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:20 | 5/23/2014 13:20 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:22 | 5/23/2014 13:25 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:29 | 5/23/2014 13:34 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:39 | 5/23/2014 13:40 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:47 | 5/23/2014 13:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:53 | 5/23/2014 13:53 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:55 | 5/23/2014 13:56 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 13:58 | 5/23/2014 13:59 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:02 | 5/23/2014 14:02 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:07 | 5/23/2014 14:12 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:32 | 5/23/2014 14:38 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:42 | 5/23/2014 14:42 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:45 | 5/23/2014 14:47 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:50 | 5/23/2014 14:50 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 14:53 | 5/23/2014 14:54 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:15 | 5/23/2014 15:15 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:24 | 5/23/2014 15:24 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:27 | 5/23/2014 15:27 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:29 | 5/23/2014 15:30 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:38 | 5/23/2014 15:38 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:42 | 5/23/2014 15:46 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 15:55 | 5/23/2014 15:55 | 0:01 | LSR | *Data is not available* | *Data is not available* | *Good Engineering and Operating Practices* |
| 5/23/2014 16:24 | 5/23/2014 16:26 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 16:32 | 5/23/2014 16:32 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 16:53 | 5/23/2014 16:58 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 17:00 | 5/23/2014 17:00 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 17:02 | 5/23/2014 17:02 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/23/2014 17:14 | 5/23/2014 17:14 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 7:21 | 5/24/2014 7:38 | 0:18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 7:41 | 5/24/2014 7:58 | 0:18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 8:01 | 5/24/2014 8:02 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 8:47 | 5/24/2014 8:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 8:54 | 5/24/2014 8:54 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 8:59 | 5/24/2014 8:59 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 9:03 | 5/24/2014 9:08 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 9:12 | 5/24/2014 9:15 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 9:58 | 5/24/2014 10:01 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 10:08 | 5/24/2014 10:29 | 0:22 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 10:44 | 5/24/2014 10:44 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 11:57 | 5/24/2014 11:57 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 12:12 | 5/24/2014 12:27 | 0:16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 12:29 | 5/24/2014 12:52 | 0:24 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 12:54 | 5/24/2014 13:05 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 13:08 | 5/24/2014 13:19 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 13:21 | 5/24/2014 14:19 | 0:59 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 14:23 | 5/24/2014 14:39 | 0:17 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/24/2014 14:43 | 5/24/2014 15:22 | 0:40 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 9:28 | 5/25/2014 9:36 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:09 | 5/25/2014 10:10 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:12 | 5/25/2014 10:12 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:16 | 5/25/2014 10:16 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:18 | 5/25/2014 10:18 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:20 | 5/25/2014 10:32 | 0:13 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:38 | 5/25/2014 10:49 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 10:54 | 5/25/2014 11:00 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 11:15 | 5/25/2014 11:27 | 0:13 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 11:34 | 5/25/2014 11:37 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 11:42 | 5/25/2014 11:48 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 11:50 | 5/25/2014 12:10 | 0:21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 12:34 | 5/25/2014 13:04 | 0:31 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/25/2014 13:06 | 5/25/2014 13:06 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h:mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/25/2014 13:39 | 5/25/2014 13:53 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 6:28 | 5/26/2014 6:38 | 0:09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 6:39 | 5/26/2014 6:59 | 0:21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 7:01 | 5/26/2014 7:25 | 0:25 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 7:30 | 5/26/2014 7:45 | 0:16 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 8:08 | 5/26/2014 8:25 | 0:18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 8:33 | 5/26/2014 8:38 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 8:43 | 5/26/2014 8:44 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 8:47 | 5/26/2014 8:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 9:00 | 5/26/2014 9:25 | 0:26 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 9:37 | 5/26/2014 9:43 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 9:47 | 5/26/2014 9:57 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 10:11 | 5/26/2014 10:13 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 11:06 | 5/26/2014 11:06 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 11:36 | 5/26/2014 11:40 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 12:10 | 5/26/2014 12:19 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 12:35 | 5/26/2014 12:40 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 13:01 | 5/26/2014 13:31 | 0:31 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 13:34 | 5/26/2014 13:40 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 13:48 | 5/26/2014 13:48 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 13:51 | 5/26/2014 13:56 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 15:37 | 5/26/2014 15:37 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 15:39 | 5/26/2014 15:39 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 16:07 | 5/26/2014 16:48 | 0:40 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 16:49 | 5/26/2014 16:56 | 0:08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 17:08 | 5/26/2014 17:08 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 17:54 | 5/26/2014 17:55 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/26/2014 17:59 | 5/26/2014 18:03 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 8:29 | 5/27/2014 8:39 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 8:43 | 5/27/2014 8:47 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 8:51 | 5/27/2014 8:56 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 8:58 | 5/27/2014 8:58 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 9:07 | 5/27/2014 9:11 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 9:13 | 5/27/2014 9:17 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 9:35 | 5/27/2014 9:36 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 9:59 | 5/27/2014 10:09 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 11:05 | 5/27/2014 11:06 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 11:14 | 5/27/2014 11:17 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 11:18 | 5/27/2014 11:52 | 0:34 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 11:56 | 5/27/2014 12:39 | 0:44 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 12:41 | 5/27/2014 12:45 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 12:47 | 5/27/2014 12:47 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 13:23 | 5/27/2014 13:23 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 13:30 | 5/27/2014 13:44 | 0:15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 14:38 | 5/27/2014 14:38 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 15:08 | 5/27/2014 15:09 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 15:22 | 5/27/2014 15:25 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| *5/27/2014 15:33* | *5/27/2014 15:33* | *0:01* | *LSR* | *Data is not available* | *Data is not available* | *Good Engineering and Operating Practices* |
| 5/27/2014 16:07 | 5/27/2014 16:09 | 0:03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 16:12 | 5/27/2014 16:17 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 16:31 | 5/27/2014 16:31 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 16:39 | 5/27/2014 16:48 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/27/2014 16:59 | 5/27/2014 16:59 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 7:59 | 5/28/2014 8:29 | 0:31 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 8:35 | 5/28/2014 8:55 | 0:21 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 8:57 | 5/28/2014 9:00 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 9:03 | 5/28/2014 9:04 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 9:06 | 5/28/2014 9:09 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 9:19 | 5/28/2014 9:20 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 9:22 | 5/28/2014 9:55 | 0:34 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 10:00 | 5/28/2014 10:10 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 10:18 | 5/28/2014 10:25 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 10:41 | 5/28/2014 10:48 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 11:04 | 5/28/2014 11:04 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 11:14 | 5/28/2014 11:25 | 0:12 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 11:31 | 5/28/2014 11:48 | 0:18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 11:58 | 5/28/2014 12:02 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 12:09 | 5/28/2014 12:17 | 0:09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 12:23 | 5/28/2014 12:23 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 12:25 | 5/28/2014 12:31 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 12:36 | 5/28/2014 12:45 | 0:10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 13:17 | 5/28/2014 13:17 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 13:20 | 5/28/2014 13:20 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 13:29 | 5/28/2014 13:35 | 0:07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 13:37 | 5/28/2014 13:47 | 0:11 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 14:25 | 5/28/2014 14:29 | 0:05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/28/2014 14:32 | 5/28/2014 14:32 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 8:50 | 5/29/2014 8:55 | 0:06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 9:02 | 5/29/2014 9:15 | 0:14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 9:17 | 5/29/2014 11:08 | 1:52 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 11:10 | 5/29/2014 11:11 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 11:13 | 5/29/2014 13:31 | 2:19 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 13:51 | 5/29/2014 13:51 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 13:54 | 5/29/2014 13:54 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 14:10 | 5/29/2014 14:10 | 0:01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 14:12 | 5/29/2014 14:15 | 0:04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 14:18 | 5/29/2014 14:19 | 0:02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Maui Electric

Lanai Curtailment Report May 2014

| Start Date/Time | Stop Date/Time | Duration (h mm) | IPP Curtailed | Estimated MWH Curtailed | Peak MW Curtailed | Reasons for Curtailment |
|---|---|---|---|---|---|---|
| 5/29/2014 14 21 | 5/29/2014 14 22 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 14 25 | 5/29/2014 14 26 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 15 04 | 5/29/2014 15 04 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 15 06 | 5/29/2014 15 06 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 15 08 | 5/29/2014 15 43 | 0 36 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 15 45 | 5/29/2014 15 54 | 0 10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 15 56 | 5/29/2014 16 22 | 0 27 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 16 24 | 5/29/2014 16 27 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 16 30 | 5/29/2014 16 30 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 16 32 | 5/29/2014 16 34 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/29/2014 16 36 | 5/29/2014 16 40 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 7 45 | 5/30/2014 8 43 | 0 58 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 9 07 | 5/30/2014 9 11 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 9 13 | 5/30/2014 9 15 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 9 17 | 5/30/2014 9 17 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 9 19 | 5/30/2014 11 40 | 2 22 | LSR | Data is not available | Data is not available | Testing |
| 5/30/2014 11 42 | 5/30/2014 11 45 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 11 47 | 5/30/2014 11:47 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 00 | 5/30/2014 12 00 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 11 | 5/30/2014 12 17 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 29 | 5/30/2014 12 34 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 38 | 5/30/2014 12 42 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 48 | 5/30/2014 12 49 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 51 | 5/30/2014 12 51 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 12 57 | 5/30/2014 13 02 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 13 04 | 5/30/2014 13 07 | 0 04 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 13 10 | 5/30/2014 13 10 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 13 20 | 5/30/2014 13 25 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 13 30 | 5/30/2014 13 37 | 0 08 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 13 41 | 5/30/2014 13 41 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 14:12 | 5/30/2014 14 21 | 0 10 | LSR | Data is not available | Data is not available | Testing |
| 5/30/2014 14.31 | 5/30/2014 14 40 | 0.10 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 14 45 | 5/30/2014 14 46 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/30/2014 15 01 | 5/30/2014 15:01 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 7 20 | 5/31/2014 8 02 | 0 43 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 8:17 | 5/31/2014 9 01 | 0 45 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 9.11 | 5/31/2014 9 17 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 9 21 | 5/31/2014 9 27 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 9 39 | 5/31/2014 9 53 | 0 15 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 9:55 | 5/31/2014 10 08 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 10 12 | 5/31/2014 10 29 | 0 18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 11 00 | 5/31/2014 11.01 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 11 41 | 5/31/2014 11:45 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 11 50 | 5/31/2014 11 54 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 11 56 | 5/31/2014 11.58 | 0 03 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 12.02 | 5/31/2014 12 02 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 12 08 | 5/31/2014 12 09 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 12 22 | 5/31/2014 12.22 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 13.15 | 5/31/2014 13:15 | 0 01 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 13 27 | 5/31/2014 13 33 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 13 37 | 5/31/2014 13 45 | 0 09 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 13 50 | 5/31/2014 14 07 | 0.18 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 10 | 5/31/2014 14 11 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 13 | 5/31/2014 14 18 | 0 06 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 20 | 5/31/2014 14 24 | 0 05 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 28 | 5/31/2014 14 29 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 34 | 5/31/2014 14 40 | 0 07 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14 44 | 5/31/2014 14 57 | 0 14 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |
| 5/31/2014 14:59 | 5/31/2014 15:00 | 0 02 | LSR | Data is not available | Data is not available | Good Engineering and Operating Practices |

Notes

On June 27, 2012, Maui Electric notified LSR that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, Maui Electric would continuonally 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 50 kW of the curtailment set point

Hawai'i Electnc Light Company Curtailment Report May 2014

| Start Date/Time | MW output prior to start of curtailment | End Date/Time | MW output after curtailment released | Reason for Curtailment |
|---|---|---|---|---|
| 05/06/14 07:16 | 19 0 MW | 05/06/14 07:37 | 15.9 MW | Tawhiri curtailed - switching at Kealia station. |
| 05/06/14 13:59 | 19 5 MW | 05/06/14 14:17 | 10.0 MW | Tawhiri curtailed - switching at Kealia station. |
| 05/27/14 06:50 | 4.8 MW | 05/27/14 19:36 | 5.9 MW | Tawhiri request self-curtailment. Tawhiri performed work on fiber optic communication line |