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

July 28, 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 June 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,

George S Hirota

(for) 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)

JEFFREY T. ONO EXECUTIVE DIRECTOR DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS DIVISION OF CONSUMER ADVOCACY P.O. Box 541 Honolulu, HI 96809	2 Copies Via Hand Delivery
GREGG J. KINKLEY, ESQ. DEPARTMENT OF THE ATTORNEY GENERAL 425 Queen Street Honolulu, Hawaii 96813 Counsel for DBEDT	1 Copy Electronically Transmitted
DANIEL W.S. LAWRENCE, ESQ. DEPARTMENT OF THE CORPORATION COUNSEL CITY AND COUNTY OF HONOLULU 530 S. King Street, Room 110 Honolulu, HI 96813 Counsel for the CITY AND COUNTY OF HONOLULU	1 Copy Electronically Transmitted
LINCOLN S.T. ASHIDA, ESQ. WILLIAM V. BRILHANTE, JR., ESQ. MICHAEL J. UDOVIC, ESQ. DEPARTMENT OF THE CORPORATION COUNSEL COUNTY OF HAWAII 101 Aupuni Street, Suite 325 Hilo, HI 96720 Counsel for the COUNTY OF HAWAII	1 Copy Electronically Transmitted
HENRY Q CURTIS VICE PRESIDENT FOR CONSUMER LINES LIFE OF THE LAND P.O. Box 37158 Honolulu, HI 96837-0158	1 Copy Electronically Transmitted
WARREN S. BOLLMEIER II PRESIDENT HAWAII RENEWABLE ENERGY ALLIANCE 46-040 Konane Place, #3816 Kaneohe, HI 96744	1 Copy Electronically Transmitted

SERVICE LIST
(Docket No. 2011-0206)

DOUGLAS A. CODIGA, ESQ.
SCHLACK ITO LLLC
Topa Financial Center
745 Fort Street, Suite 1500
Honolulu, HI 96813
Counsel for BLUE PLANET FOUNDATION

1 Copy
Electronically Transmitted

ISAAC MORIWAKE, ESQ.
DAVID HENKIN, ESQ.
EARTHJUSTICE
850 Richards Street, Suite 400
Honolulu, HI 96813-4501
Counsel for HAWAII SOLAR ENERGY ASSOCIATION

1 Copy
Electronically Transmitted

KENT D. MORIHARA, ESQ.
KRIS N. NAKAGAWA, ESQ.
LAUREN M. IMADA-LEE, ESQ.
TANYA M. FERNANDES, ESQ.
Morihara Lau & Fong LLP
841 Bishop Street, Suite 400
Honolulu, Hawaii 96813
Counsel for KAUAI ISLAND UTILITY COOPERATIVE

1 Copy
Electronically Transmitted

ERIK W. KVAM
CHIEF EXECUTIVE OFFICER
ZERO EMISSIONS LEASING LLC
1110 University Avenue, Suite 402
Honolulu, HI 96826

1 Copy
Electronically Transmitted

SANDRA-ANN Y.H. WONG, ESQ.
ATTORNEY AT LAW, A LAW CORPORATION
1050 Bishop Street, #514
Honolulu, HI 96813
Counsel for TAWHIRI POWER LLC

1 Copy
Electronically Transmitted

RILEY SAITO
73-1294 Awakea Street
Kailua-Kona, HI 96740
For SOLAR ENERGY INDUSTRIES ASSOCIATION

1 Copy
Electronically Transmitted

SERVICE LIST
(Docket No. 2011-0206)

DEAN T. YAMAMOTO, ESQ.
YAMAMOTO & SETTLE
700 Bishop Street, Suite 200
Honolulu, HI 96813
Counsel for CASTLE & COOKE HOMES HAWAII, INC.,
CASTLE & COOKE RESORTS, LLC and
LANAI SUSTAINABILITY RESEARCH, LLC

1 Copy
Electronically Transmitted

MICHAEL J. HOPPER, ESQ.
DEPUTY CORPORATION COUNSEL
DEPARTMENT OF THE CORPORATION COUNSEL
COUNTY OF MAUI
200 S. High Street
Wailuku, HI 96793
Counsel for the COUNTY OF MAUI

1 Copy
Electronically Transmitted

CURTIS SEYMOUR
SENIOR MANAGER, GOVERNMENT AFFAIRS
SUN EDISON LLC
600 Clipper Drive
Belmont, CA 94002

1 Copy
Electronically Transmitted

MONA W. CLARK, ESQ.
OFFICE OF THE COUNTY ATTORNEY
COUNTY OF KAUAI
4444 Rice Street, Suite 200
Lihue, HI 96766-1300

1 Copy
Electronically Transmitted

BRADLEY ALBERT
PRESIDENT
HAWAII PV COALITION
P.O. Box 81501
Haiku, HI 96708

1 Copy
Electronically Transmitted

HILTON H. UNEMORI
ECM, INC.
130 N. Market Street
Wailuku, HI 96793-1716
For SOUTH MAUI RENEWABLE RESOURCES, LLC

1 Copy
Electronically Transmitted

SKY STANFIELD
KEYES, FOX & WIEDMAN LLP
436 14th Street, Suite 1305
Oakland, CA 94612
For the INTERSTATE RENEWABLE ENERGY COUNCIL

1 Copy
Electronically Transmitted

SERVICE LIST
(Docket No. 2011-0206)

PETE COOPER SOLARCITY CORPORATION REGIONAL DIRECTOR, HAWAII 599 Kahelu Street Mililani, HI 96789	1 Copy Electronically Transmitted
STANLEY ALLEN GRAY, SENIOR DEVELOPER Pier 1, Bay 3 San Francisco, CA 94111 For MOLOKAI RENEWABLES LLC	1 Copy Electronically Transmitted
ALISON SILVERSTEIN 19213 Luedtke Lane Pflugerville, TX 78660	1 Copy Electronically Transmitted
BRENDAN KIRBY 12011 SW Pineapple Court Palm City, FL 34990	1 Copy Electronically Transmitted

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 June 30, 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 June 30, 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's under frequency load shed events are provided in Attachment 4.

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's demand response activations for system events are provided in Attachment 5. 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.

(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.

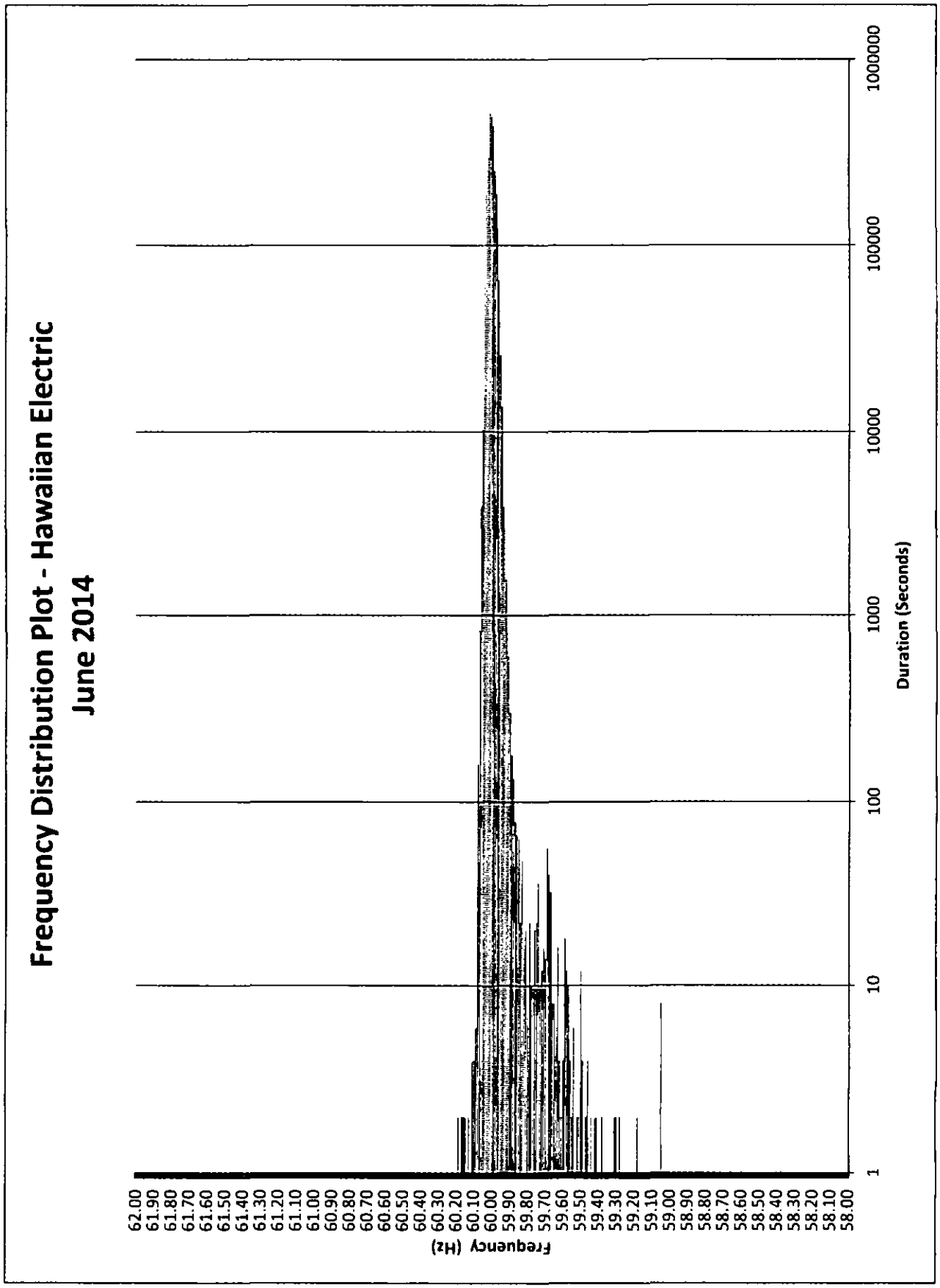
The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending June 30, 2014):

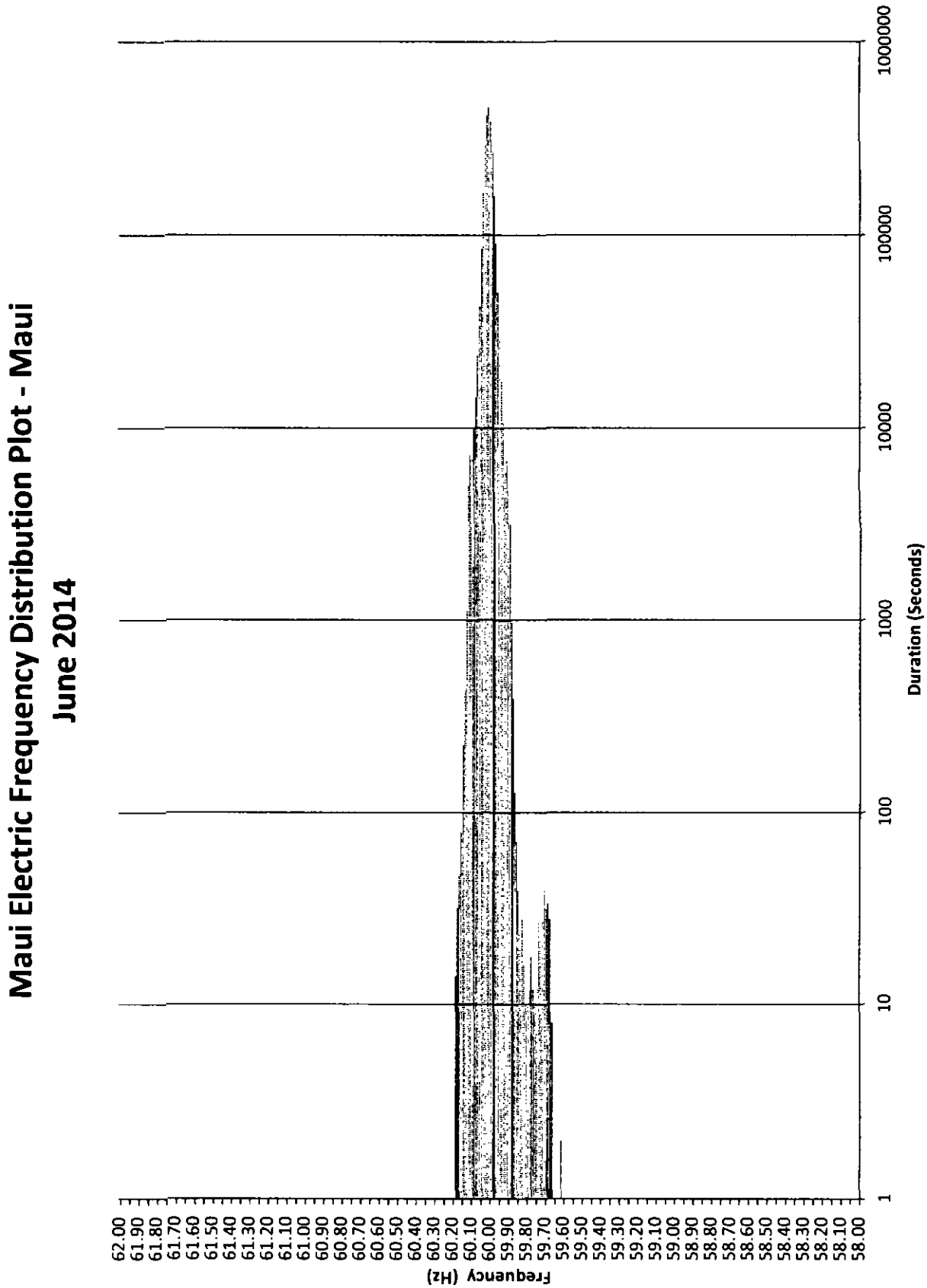
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

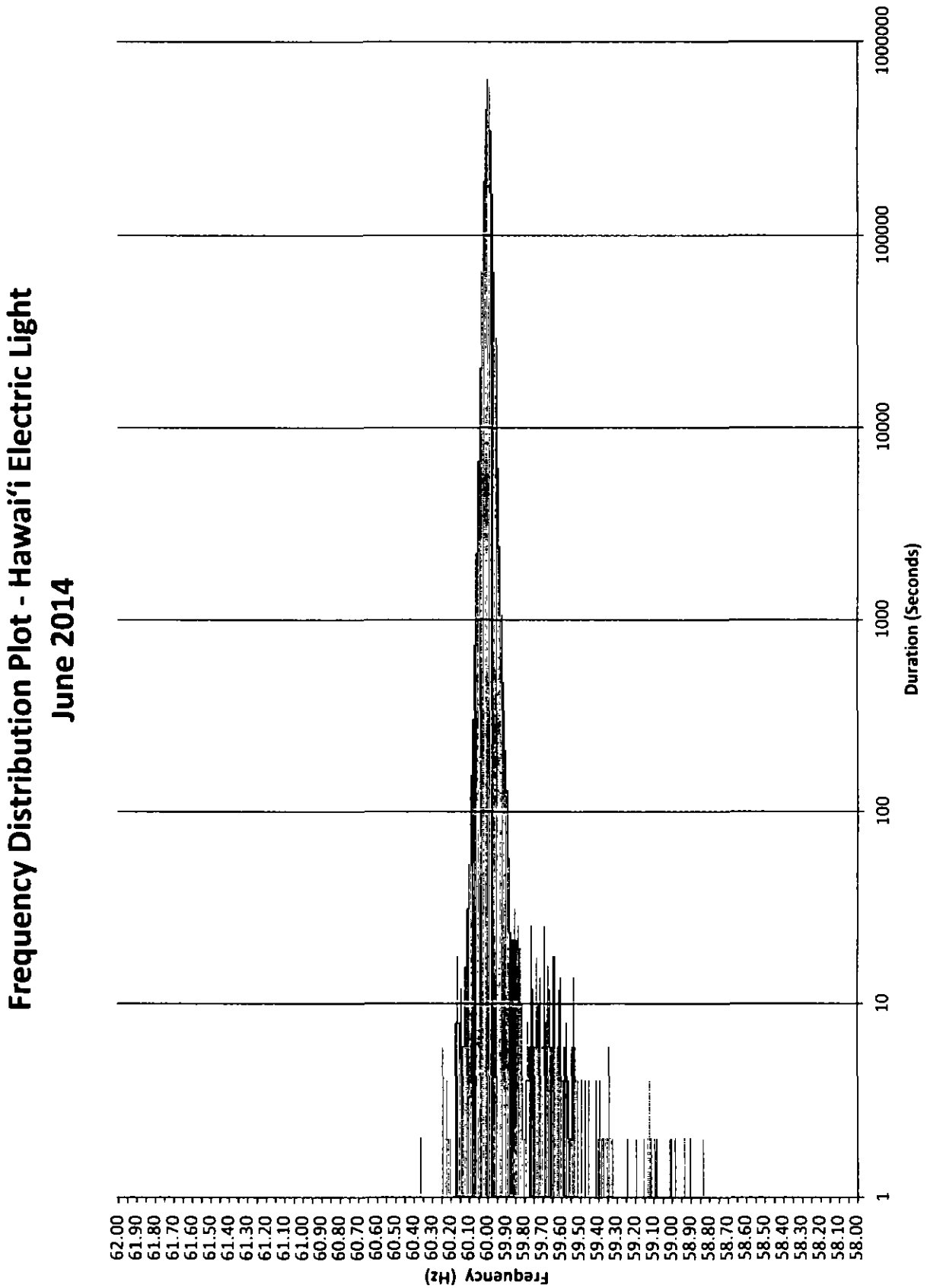
The tabulation of each curtailment event for each resource is provided in Attachment 6.

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
June 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


Maui Electric Frequency Distribution Plot - Maui
June 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)


Frequency Distribution Plot - Hawai'i Electric Light
June 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

Hawaiian Electric Frequency Excursion Statistics June 2014		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	2138	646
Maximum Duration (sec)	738	202
Maximum Deviation (Hz)	59.051	60.186
Total Duration of Excursions (sec)	30214	7914

Maui Electric Frequency Excursion Statistics June 2014		
	<59.95 Hz	>60.05 Hz
Number of Excursions	12189	8840
Maximum Duration (sec)	566	808
Maximum Deviation (Hz)	59.6106	60.1845
Total Duration of Excursions (sec)	97612	87212

Hawai'i Electric Light Frequency Excursion Statistics June 2014		
	<59.95 Hz	>60.05 Hz
Number of Excursions	4804	1529
Maximum Duration (sec)	320	82
Maximum Deviation (Hz)	58.832	60.355
Total Duration of Excursions (sec)	25824	6136

This page intentionally left blank.

HAWAIIAN ELECTRIC COMPANY, INC.
UNDERFREQUENCY LOAD SHEDDING EVENTS
JUNE 2014

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	06/09/14 09:49	59.994	58.366	58.90	83	0:06	AES tripped offline while generating ~180 MW. UFLS Kicker Block 1, Block 1, Block 2, and Block 3 activated.

MAUI ELECTRIC COMPANY, LIMITED
UNDERFREQUENCY LOAD SHEDDING EVENTS
June 2014

				Frequency (Hz)					
Event #	IR #	Island	Date & Time	Prior to Event	Nadir	Levels UFLS Occurred	Load Shed (MW)	Duration (HH:MM)	Description
1	528	Moloka'i	6/26/2014 9:44 AM	60.00	58.17	58.70	0.18	0.33	A frequency depression of 58 17 Hz occurred on Moloka'i due to a fault caused by Mynah birds contacting a 3-25KVA transformer bank

HAWAI'I ELECTRIC LIGHT COMPANY, INC.
UNDERFREQUENCY LOAD SHEDDING EVENTS
JUNE 2014

			Frequency (Hz)					
Event #	Date	Time	Prior to Event	Nadir	Level UFLS Occurred	Load Shed (MW)	Duration (HH:MM)	Description
1	6/7/2014	16:40 hrs	60.00	58.78	58 80	7.32	00:03	Keahole CT-5 tripped offline
2	6/26/2014	10:15 hrs	59.34	58.75	58.80	9.80	00:08	Hill 6 plant tripped offline

HAWAIIAN ELECTRIC COMPANY, INC
DEMAND RESPONSE EVENTS
JUNE 2014

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	06/09/14 09 50	59.994	58.366	59.70	NA	0:11	AES tripped offline while generating ~180 MW. RDLC and CIDLC activated.
2	06/10/14 02 27	60.015	59.700	59.70	NA	0 02	AES tripped offline while generating ~29 MW. Unit returning from outage. RDLC activated.
3	06/22/14 09:08	60.004	59.580	59.70	NA	0:04	CIP CT1 tripped offline while generating ~49 MW. RDLC activated.

Hawaiian Electric Curtailment Report June 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
06/06/14 06:32	0 0	24.00	06/06/14 07:20	0	*	KWF	Maintenance work
06/06/14 06:33	0 0	0.00	06/06/14 07.21	0	*	Makai	Maintenance work
06/06/14 15 57	0 0	8.40	06/06/14 16 24	0	*	KWF	Maintenance work
06/06/14 15:57	0.0	1.00	06/06/14 16:24	0	*	Makai	Maintenance work
06/09/14 06:35	0.0	0.00	06/09/14 07.56	0	*	KREP	Maintenance work
06/09/14 14:03	0.0	4 40	06/09/14 15:37	0	*	KREP	Replacement work
06/10/14 06:46	0.0	0.20	06/10/14 08:24	0	*	KREP	Maintenance work
06/10/14 15:07	0.0	2.00	06/10/14 16:14	0	*	KREP	Maintenance work
06/12/14 21:52	40.0	42.00	07/10/14 13:29	0	*	Mauka	Flicker
06/14/14 06:08	0 0	0.00	06/14/14 06.37	0	*	KREP	Replacement work
06/14/14 10:05	0.0	4.10	06/14/14 10.37	0	*	KREP	Replacement work
06/16/14 06:29	0 0	6.60	06/16/14 07:27	0	*	KWF	Replacement work
06/16/14 06:30	0 0	0.60	06/16/14 07 27	0	*	Makai	Replacement work
06/16/14 14:23	0.0	13.10	06/16/14 15 06	0	*	KWF	Replacement work
06/16/14 14:24	0 0	11.90	06/16/14 15 06	0	*	Makai	Replacement work
06/17/14 07:37	0.0	8.30	06/17/14 08 57	0	*	KWF	Replacement work
06/17/14 07:42	0 0	2.80	06/17/14 08 57	0	*	Makai	Replacement work
06/17/14 14:51	0 0	10 10	06/17/14 15:46	0	*	KWF	Replacement work
06/17/14 14:52	0 0	7.90	06/17/14 15 46	0	*	Makai	Replacement work
06/18/14 06:24	0 0	6.70	06/18/14 07:21	0	*	KWF	Replacement work
06/18/14 06:29	0 0	5.40	06/18/14 07:21	0	*	Makai	Replacement work
06/18/14 15.47	0 0	12.00	06/18/14 16 26	0	*	KWF	Replacement work
06/18/14 15:48	0.0	0.00	06/18/14 16:26	0	*	Makai	Replacement work
06/19/14 05 49	0 0	10 50	06/19/14 07 00	0	*	KWF	Replacement work
06/19/14 05:59	0.0	3.00	06/19/14 07:01	0	*	Makai	Replacement work
06/19/14 17:24	0.0	5.70	06/19/14 18:15	0	*	KWF	Replacement work
06/19/14 17 24	0.0	7.00	06/19/14 18:14	0	*	Makai	Replacement work
06/23/14 07:30	0.0	0.70	06/23/14 07.38	0	*	KREP	Maintenance work
06/23/14 16:18	0.0	2.90	06/23/14 16:30	0	*	KREP	Maintenance work
06/25/14 06 36	0.0	0.00	06/25/14 07.24	0	*	KREP	Maintenance work
06/25/14 17.24	0 0	1.60	06/25/14 17.32	0	*	KREP	Maintenance work
06/26/14 06.35	0.0	0.00	06/26/14 10 49	0	*	KREP	Replacement work
06/26/14 06.47	0.0	4.60	06/26/14 07.40	0	*	KWF	Replacement work
06/26/14 06 46	0 0	1.30	06/26/14 07 41	0	*	Makai	Replacement work
06/26/14 15:33	0 0	1.70	06/26/14 16 11	0	*	KWF	Replacement work
06/26/14 15:33	0 0	6.00	06/26/14 16 11	0	*	Makai	Replacement work
06/26/14 16 45	0 0	1.50	06/26/14 19.25	0	*	KREP	Replacement work
06/27/14 07.10	0.0	0.60	06/27/14 07.18	0	*	KREP	Maintenance work
06/30/14 06:56	0.0	0.40	06/30/14 07 04	0	*	KREP	Maintenance work
06/30/14 18:13	0 0	0.70	06/30/14 18:19	0	*	KREP	Maintenance 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 estimted 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 June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/1/2014 0 14	0 01	KWP	0 000	0 016	AGC MAVG - calculated
6/1/2014 6 17	0 05	KWPII	0 085	10 085	AGC MAVG - calculated
6/1/2014 6 24	0 04	KWPII	0 092	11 316	AGC MAVG - calculated
6/1/2014 6 45	0 03	KWPII	0 091	9 850	AGC MAVG - calculated
6/1/2014 6 52	0 10	KWPII	1 059	14 574	AGC MAVG - calculated
6/1/2014 7 09	0 02	KWPII	0 203	15 987	AGC MAVG - calculated
6/1/2014 7 12	0 02	KWPII	0 191	15 371	AGC MAVG - calculated
6/1/2014 7 17	0 05	KWPII	0 718	17 498	AGC MAVG - calculated
6/1/2014 7 25	0 04	KWPII	0 314	13 679	AGC MAVG - calculated
6/1/2014 7 33	0 01	KWPII	0 072	14 036	AGC MAVG - calculated
6/1/2014 7 35	0 02	KWPII	0 076	12 712	AGC MAVG - calculated
6/1/2014 7 40	0 03	KWPII	0 228	17 014	AGC MAVG - calculated
6/1/2014 7 48	0 07	KWPII	0 472	17 767	AGC MAVG - calculated
6/1/2014 8 02	0 02	KWPII	0 043	12 575	AGC MAVG - calculated
6/1/2014 8 11	0 03	KWPII	0 101	17 004	AGC MAVG - calculated
6/1/2014 11 47	0 01	KWP	0 001	0 080	AGC MAVG - calculated
6/1/2014 16 11	0 01	KWP	0 001	0 048	AGC MAVG - calculated
6/2/2014 17 53	0 01	KWPII	0 001	0 087	AGC MAVG - calculated
6/2/2014 22 21	0 01	KWPII	0 016	7 049	AGC MAVG - calculated
6/2/2014 22 29	0 01	KWPII	0 019	8 760	AGC MAVG - calculated
6/2/2014 22 31	0 01	KWPII	0 005	8 929	AGC MAVG - calculated
6/2/2014 22 37	0 01	KWPII	0 001	8 963	AGC MAVG - calculated
6/3/2014 16 08	0 02	KWPII	0 084	14 327	AGC MAVG - calculated and Testing
6/3/2014 16 17	0 02	KWPII	0 019	17 447	AGC MAVG - calculated
6/3/2014 16 20	0 01	KWPII	0 017	17 645	AGC MAVG - calculated
6/3/2014 16 22	0 01	KWPII	0 006	18 267	AGC MAVG - calculated
6/3/2014 22 30	0 01	KWPII	0 028	15 828	AGC MAVG - calculated
6/3/2014 22 52	0 02	KWPII	0 019	20 026	AGC MAVG - calculated
6/3/2014 23 17	0 01	KWPII	0 006	19 932	AGC MAVG - calculated
6/3/2014 23 36	0 11	KWPII	0 502	18 649	AGC MAVG - calculated
6/3/2014 23 48	0 13	KWPII	0 466	19 976	AGC MAVG - calculated
6/4/2014 0 02	0 22	KWPII	1 400	17 778	AGC MAVG - calculated
6/4/2014 0 26	0 02	KWPII	0 090	18 546	AGC MAVG - calculated
6/4/2014 0 29	0 03	KWPII	0 068	18 433	AGC MAVG - calculated
6/4/2014 0 33	4 06	KWPII	40 571	20 698	AGC MAVG - calculated
6/4/2014 4 44	0 08	KWPII	0 138	18 349	AGC MAVG - calculated
6/4/2014 4 53	0 01	KWPII	0 008	18 359	AGC MAVG - calculated
6/4/2014 4 58	0 03	KWPII	0 039	18 423	AGC MAVG - calculated
6/4/2014 5 02	0 03	KWPII	0 008	18 342	AGC MAVG - calculated
6/4/2014 5 56	0 08	KWPII	0 199	20 704	AGC MAVG - calculated
6/4/2014 7 13	0 29	KWPII	0 790	20 687	AGC MAVG - calculated
6/4/2014 7 43	0 01	KWPII	0 013	20 646	AGC MAVG - calculated
6/4/2014 7 51	0 02	KWPII	0 020	20 659	AGC MAVG - calculated
6/4/2014 7 55	0 01	KWPII	0 002	20 448	AGC MAVG - calculated
6/4/2014 7 57	0 01	KWPII	0 005	20 528	AGC MAVG - calculated
6/4/2014 8 00	0 01	KWPII	0 005	20 565	AGC MAVG - calculated
6/4/2014 8 42	0 01	KWPII	0 005	20 505	AGC MAVG - calculated
6/4/2014 22 37	0 01	KWPII	0 001	20 708	AGC MAVG - calculated
6/4/2014 22 53	0 10	KWPII	0 341	20 708	AGC MAVG - calculated
6/4/2014 23 05	0 02	KWPII	0 038	20 708	AGC MAVG - calculated
6/4/2014 23 08	2 16	KWPII	29 025	20 708	AGC MAVG - calculated
6/5/2014 0 45	0 01	AWE	0 010	21 000	AGC MAVG - calculated
6/5/2014 0 53	0 01	AWE	0 003	21 000	AGC MAVG - calculated
6/5/2014 0 57	0 02	AWE	0 007	21 000	AGC MAVG - calculated
6/5/2014 1 00	0 05	AWE	0 035	21 000	AGC MAVG - calculated
6/5/2014 1 08	0 13	AWE	0 346	21 000	AGC MAVG - calculated
6/5/2014 1 26	3 36	KWPII	72 882	20 708	AGC MAVG - calculated
6/5/2014 1 27	0 01	AWE	0 015	17 700	AGC MAVG - calculated
6/5/2014 1 32	0 16	AWE	0 688	21 000	AGC MAVG - calculated
6/5/2014 1 50	3 01	AWE	15 114	21 000	AGC MAVG - calculated
6/5/2014 4 52	0 06	AWE	0 125	18 900	AGC MAVG - calculated
6/5/2014 5 04	1 11	KWPII	13 721	20 708	AGC MAVG - calculated
6/5/2014 6 16	0 01	KWPII	0 014	20 670	AGC MAVG - calculated
6/5/2014 6 36	0 03	KWPII	0 039	20 708	AGC MAVG - calculated
6/5/2014 6 41	0 05	KWPII	0 102	20 708	AGC MAVG - calculated
6/5/2014 6 55	0 11	KWPII	0 364	20 708	AGC MAVG - calculated
6/5/2014 7 18	0 13	KWPII	0 304	20 705	AGC MAVG - calculated
6/5/2014 7 32	0 07	KWPII	0 060	20 708	AGC MAVG - calculated
6/5/2014 14 23	0 01	KWPII	0 005	20 664	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 14 44	0 01	KWPII	0 009	20 381	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 14 53	0 01	KWPII	0 002	20 582	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 15 22	0 01	KWPII	0 005	20 681	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 15 24	0 13	KWPII	0 385	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 15 38	0 05	KWPII	0 247	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 15 44	0 01	KWPII	0 040	20 666	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 15 50	0 01	KWPII	0 002	20 667	AGC MAVG - calculated and Good Engineering and Operating Practices
6/5/2014 23 14	0 06	KWPII	0 071	20 708	AGC MAVG - calculated
6/5/2014 23 49	0 12	KWPII	0 464	20 708	AGC MAVG - calculated
6/6/2014 0 12	1 40	KWPII	23 853	20 708	AGC MAVG - calculated
6/6/2014 1 19	0 01	AWE	0 008	21 000	AGC MAVG - calculated
6/6/2014 1 21	0 02	AWE	0 009	21 000	AGC MAVG - calculated
6/6/2014 1 25	0 02	AWE	0 003	21 000	AGC MAVG - calculated
6/6/2014 1 29	0 03	AWE	0 007	21 000	AGC MAVG - calculated
6/6/2014 1 33	0 03	AWE	0 028	21 000	AGC MAVG - calculated
6/6/2014 1 40	0 06	AWE	0 087	21 000	AGC MAVG - calculated
6/6/2014 1 47	0 01	AWE	0 009	19 600	AGC MAVG - calculated
6/6/2014 1 54	1 28	KWPII	27 306	20 708	AGC MAVG - calculated
6/6/2014 2 19	0 04	AWE	0 053	19 300	AGC MAVG - calculated
6/6/2014 2 31	0 12	AWE	0 517	21 000	AGC MAVG - calculated
6/6/2014 2 45	0 01	AWE	0 001	17 300	AGC MAVG - calculated
6/6/2014 2 47	0 01	AWE	0 008	17 000	AGC MAVG - calculated
6/6/2014 2 50	0 03	AWE	0 057	18 400	AGC MAVG - calculated
6/6/2014 2 54	0 21	AWE	0 754	21 000	AGC MAVG - calculated
6/6/2014 3 24	3 35	KWPII	34 594	20 704	AGC MAVG - calculated
6/6/2014 3 33	0 03	AWE	0 068	21 000	AGC MAVG - calculated
6/6/2014 3 37	0 02	AWE	0 030	21 000	AGC MAVG - calculated
6/6/2014 7 05	0 05	KWPII	0 030	20 541	AGC MAVG - calculated
6/6/2014 14 57	0 01	KWPII	0 001	20 664	AGC MAVG - calculated and Good Engineering and Operating Practices
6/6/2014 15 24	0 01	KWPII	0 005	20 641	AGC MAVG - calculated
6/6/2014 15 26	0 01	KWPII	0 007	20 677	AGC MAVG - calculated
6/6/2014 15 30	0 02	KWPII	0 013	20 635	AGC MAVG - calculated
6/6/2014 15 34	0 03	KWPII	0 053	20 594	AGC MAVG - calculated
6/6/2014 16 02	0 01	KWPII	0 004	19 892	AGC MAVG - calculated
6/6/2014 23 03	0 08	KWPII	0 099	20 648	AGC MAVG - calculated
6/6/2014 23 12	5 07	KWPII	64 873	20 664	AGC MAVG - calculated
6/7/2014 1 05	0 25	AWE	1 007	21 000	AGC MAVG - calculated
6/7/2014 1 31	0 02	AWE	0 058	19 100	AGC MAVG - calculated
6/7/2014 1 34	0 03	AWE	0 025	17 900	AGC MAVG - calculated
6/7/2014 1 38	0 01	AWE	0 004	16 300	AGC MAVG - calculated
6/7/2014 1 40	0 01	AWE	0 005	16 200	AGC MAVG - calculated
6/7/2014 1 42	0 11	AWE	0 281	18 500	AGC MAVG - calculated
6/7/2014 1 54	0 51	AWE	2 080	21 000	AGC MAVG - calculated
6/7/2014 2 46	1 04	AWE	6 049	21 000	AGC MAVG - calculated
6/7/2014 3 52	0 08	AWE	0 256	21 000	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/7/2014 4:01	0:02	AWE	0.020	21,000	AGC MAVG - calculated
6/7/2014 4:04	0:02	AWE	0.011	21,000	AGC MAVG - calculated
6/7/2014 4:22	0:17	KWPII	0.903	7,452	AGC MAVG - calculated
6/7/2014 4:40	1:09	KWPII	5.771	11,485	AGC MAVG - calculated
6/7/2014 4:50	0:01	AWE	0.012	21,000	AGC MAVG - calculated
6/7/2014 4:54	0:02	AWE	0.015	21,000	AGC MAVG - calculated
6/7/2014 5:16	0:01	AWE	0.005	20,800	AGC MAVG - calculated
6/7/2014 5:18	0:01	AWE	0.008	21,000	AGC MAVG - calculated
6/7/2014 5:50	0:07	KWPII	0.388	15,452	AGC MAVG - calculated
6/7/2014 5:58	0:03	KWPII	0.085	15,402	AGC MAVG - calculated
6/7/2014 6:02	0:05	KWPII	0.273	15,853	AGC MAVG - calculated
6/7/2014 6:08	0:03	KWPII	0.098	12,072	AGC MAVG - calculated
6/7/2014 6:12	0:01	KWPII	0.022	9,255	AGC MAVG - calculated
6/7/2014 6:20	0:01	KWPII	0.010	7,316	AGC MAVG - calculated
6/7/2014 6:22	0:01	KWPII	0.004	7,065	AGC MAVG - calculated
6/7/2014 6:24	0:01	KWPII	0.008	6,879	AGC MAVG - calculated
6/7/2014 6:52	0:03	KWPII	0.034	9,246	AGC MAVG - calculated
6/7/2014 7:04	0:04	KWPII	0.129	14,984	AGC MAVG - calculated
6/7/2014 7:21	0:06	KWPII	0.063	13,045	AGC MAVG - calculated
6/7/2014 7:30	0:01	KWPII	0.016	10,997	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 7:40	0:02	KWPII	0.009	13,645	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 7:43	0:06	KWPII	0.127	15,449	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 7:50	0:01	KWPII	0.020	11,705	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 7:57	0:01	KWPII	0.001	10,731	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:05	0:02	KWPII	0.026	15,111	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:17	0:01	KWPII	0.001	13,676	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:19	0:01	KWPII	0.004	13,644	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:21	0:02	KWPII	0.034	16,181	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:24	0:08	KWPII	0.314	17,327	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
6/7/2014 8:33	0:11	KWPII	0.367	16,250	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
6/7/2014 8:45	0:01	KWPII	0.007	16,528	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 8:49	0:01	KWPII	0.050	14,825	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 9:46	0:03	KWPII	0.075	18,905	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 10:53	0:01	KWPII	0.005	19,719	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:03	0:01	KWPII	0.007	20,271	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:11	0:03	KWPII	0.007	20,551	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:16	0:16	KWPII	0.693	20,658	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:40	0:01	KWPII	0.027	19,933	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:43	0:01	KWPII	0.003	19,586	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 11:45	0:14	KWPII	0.597	20,370	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 12:00	1:17	KWPII	9.413	20,687	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 13:18	0:04	KWPII	0.120	20,159	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 13:35	0:01	KWPII	0.005	17,251	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 13:47	0:01	KWPII	0.001	19,120	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 13:54	0:04	KWPII	0.050	19,650	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 18:18	0:01	KWPII	0.000	19,139	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 19:20	0:01	KWPII	0.004	19,665	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 19:55	0:01	KWPII	0.009	20,199	AGC MAVG - calculated and Good Engineering and Operating Practices
6/7/2014 23:07	5:10	KWPII	67.953	20,542	AGC MAVG - calculated
6/8/2014 0:42	0:01	AWE	0.011	21,000	AGC MAVG - calculated
6/8/2014 0:46	0:02	AWE	0.011	21,000	AGC MAVG - calculated
6/8/2014 0:53	0:01	AWE	0.006	19,700	AGC MAVG - calculated
6/8/2014 2:12	0:17	AWE	0.719	20,650	AGC MAVG - calculated
6/8/2014 2:30	0:01	AWE	0.014	17,600	AGC MAVG - calculated
6/8/2014 2:34	0:01	AWE	0.017	17,600	AGC MAVG - calculated
6/8/2014 2:36	0:01	AWE	0.005	15,500	AGC MAVG - calculated
6/8/2014 2:38	0:04	AWE	0.087	16,900	AGC MAVG - calculated
6/8/2014 2:45	0:03	AWE	0.030	15,300	AGC MAVG - calculated
6/8/2014 2:50	0:37	AWE	2.149	21,000	AGC MAVG - calculated
6/8/2014 3:28	0:13	AWE	0.277	21,000	AGC MAVG - calculated
6/8/2014 3:44	0:03	AWE	0.059	18,900	AGC MAVG - calculated
6/8/2014 3:48	0:02	AWE	0.045	18,100	AGC MAVG - calculated
6/8/2014 3:51	1:15	AWE	3.955	21,000	AGC MAVG - calculated
6/8/2014 5:19	1:00	KWPII	16.644	19,118	AGC MAVG - calculated
6/8/2014 5:49	0:01	AWE	0.004	21,000	AGC MAVG - calculated
6/8/2014 5:51	0:04	AWE	0.050	21,000	AGC MAVG - calculated
6/8/2014 5:56	0:02	AWE	0.022	21,000	AGC MAVG - calculated
6/8/2014 5:59	0:02	AWE	0.023	21,000	AGC MAVG - calculated
6/8/2014 6:21	1:52	KWPII	19.577	19,208	AGC MAVG - calculated
6/8/2014 8:14	0:01	KWPII	0.000	19,087	AGC MAVG - calculated
6/8/2014 8:18	0:25	KWPII	1.968	19,196	AGC MAVG - calculated
6/8/2014 8:44	0:11	KWPII	0.545	19,127	AGC MAVG - calculated
6/8/2014 8:56	0:07	KWPII	0.263	19,039	AGC MAVG - calculated
6/8/2014 9:04	1:13	KWPII	3.130	19,194	AGC MAVG - calculated
6/8/2014 10:19	0:05	KWPII	0.144	19,203	AGC MAVG - calculated
6/8/2014 10:25	0:13	KWPII	0.386	19,188	AGC MAVG - calculated
6/8/2014 10:39	0:02	KWPII	0.028	19,126	AGC MAVG - calculated
6/8/2014 10:43	0:01	KWPII	0.013	19,117	AGC MAVG - calculated
6/8/2014 10:50	0:02	KWPII	0.017	19,022	AGC MAVG - calculated
6/8/2014 10:57	0:01	KWPII	0.005	18,990	AGC MAVG - calculated
6/8/2014 10:59	0:02	KWPII	0.024	18,540	AGC MAVG - calculated
6/8/2014 11:02	0:24	KWPII	0.982	19,007	AGC MAVG - calculated
6/8/2014 11:27	0:12	KWPII	0.423	18,424	AGC MAVG - calculated
6/8/2014 11:40	0:04	KWPII	0.114	17,789	AGC MAVG - calculated
6/8/2014 11:46	0:03	KWPII	0.070	18,549	AGC MAVG - calculated
6/8/2014 11:50	0:02	KWPII	0.090	18,027	AGC MAVG - calculated
6/8/2014 11:53	0:01	KWPII	0.000	15,599	AGC MAVG - calculated
6/8/2014 11:55	0:06	KWPII	0.349	18,398	AGC MAVG - calculated
6/8/2014 12:02	0:14	KWPII	0.756	18,958	AGC MAVG - calculated
6/8/2014 12:18	0:56	KWPII	3.981	19,110	AGC MAVG - calculated
6/8/2014 13:20	0:01	KWPII	0.035	17,595	AGC MAVG - calculated
6/8/2014 19:19	0:01	KWP	0.000	0.016	AGC MAVG - calculated and Testing
6/8/2014 23:26	0:01	KWPII	0.010	12,598	AGC MAVG - calculated
6/8/2014 23:28	0:02	KWPII	0.037	12,884	AGC MAVG - calculated
6/8/2014 23:32	0:02	KWPII	0.047	12,715	AGC MAVG - calculated
6/8/2014 23:36	0:04	KWPII	0.083	13,579	AGC MAVG - calculated
6/8/2014 23:41	0:01	KWPII	0.024	14,132	AGC MAVG - calculated
6/8/2014 23:44	0:01	KWPII	0.003	13,728	AGC MAVG - calculated
6/8/2014 23:51	0:01	KWPII	0.020	16,681	AGC MAVG - calculated
6/8/2014 23:58	0:08	KWPII	0.253	15,778	AGC MAVG - calculated
6/9/2014 0:07	0:05	KWPII	0.138	15,202	AGC MAVG - calculated
6/9/2014 0:16	0:03	KWPII	0.095	14,063	AGC MAVG - calculated
6/9/2014 2:05	0:02	AWE	0.008	21,000	AGC MAVG - calculated
6/9/2014 2:06	0:09	KWPII	0.104	1,802	AGC MAVG - calculated
6/9/2014 2:08	0:07	AWE	0.124	20,800	AGC MAVG - calculated
6/9/2014 2:21	0:38	KWPII	5.130	14,121	AGC MAVG - calculated
6/9/2014 2:26	0:04	AWE	0.038	16,500	AGC MAVG - calculated
6/9/2014 2:34	0:02	AWE	0.020	20,000	AGC MAVG - calculated
6/9/2014 2:37	0:04	AWE	0.050	20,300	AGC MAVG - calculated
6/9/2014 2:42	0:09	AWE	0.317	21,000	AGC MAVG - calculated
6/9/2014 2:52	0:01	AWE	0.004	16,400	AGC MAVG - calculated
6/9/2014 3:01	2:11	KWPII	21.089	17,707	AGC MAVG - calculated
6/9/2014 3:38	0:02	AWE	0.027	15,900	AGC MAVG - calculated
6/9/2014 3:40	0:08	AWE	0.211	18,400	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/9/2014 6:29	0:01	KWPII	0.015	20,309	AGC MAVG - calculated
6/9/2014 6:28	0:02	KWPII	0.015	20,396	AGC MAVG - calculated
6/9/2014 6:31	0:06	KWPII	0.063	20,661	AGC MAVG - calculated and Good Engineering and Operating Practices
6/9/2014 6:38	0:23	KWPII	1.457	20,705	AGC MAVG - calculated and Good Engineering and Operating Practices
6/9/2014 14:46	0:01	KWPII	0.002	19,614	AGC MAVG - calculated and Good Engineering and Operating Practices
6/9/2014 15:23	0:01	KWPII	0.001	19,699	AGC MAVG - calculated and Good Engineering and Operating Practices
6/9/2014 15:28	0:01	KWPII	0.007	20,398	AGC MAVG - calculated and Good Engineering and Operating Practices
6/9/2014 15:44	0:01	KWPII	0.010	20,361	AGC MAVG - calculated
6/9/2014 23:29	0:18	KWPII	0.903	20,500	AGC MAVG - calculated
6/9/2014 23:46	0:07	KWPII	0.211	19,154	AGC MAVG - calculated
6/9/2014 23:54	0:05	KWPII	0.116	19,234	AGC MAVG - calculated
6/10/2014 0:02	0:03	KWPII	0.076	20,186	AGC MAVG - calculated
6/10/2014 0:06	0:01	KWPII	0.002	20,097	AGC MAVG - calculated
6/10/2014 0:18	0:01	KWPII	0.007	18,085	AGC MAVG - calculated
6/10/2014 0:20	0:38	KWPII	3.183	19,051	AGC MAVG - calculated
6/10/2014 0:59	1:38	KWPII	17.147	20,288	AGC MAVG - calculated
6/10/2014 1:34	0:01	AWE	0.024	21,000	AGC MAVG - calculated
6/10/2014 1:58	0:01	AWE	0.018	17,700	AGC MAVG - calculated
6/10/2014 2:00	0:01	AWE	0.019	20,000	AGC MAVG - calculated
6/10/2014 2:05	0:01	AWE	0.007	19,800	AGC MAVG - calculated
6/10/2014 2:07	0:01	AWE	0.013	18,300	AGC MAVG - calculated
6/10/2014 3:11	0:04	KWPII	0.087	9,064	AGC MAVG - calculated
6/10/2014 3:18	0:02	KWPII	0.030	9,250	AGC MAVG - calculated
6/10/2014 3:19	0:01	KWPII	0.003	7,873	AGC MAVG - calculated
6/10/2014 3:23	0:12	KWPII	0.334	8,881	AGC MAVG - calculated
6/10/2014 12:22	0:01	KWPII	0.002	16,168	AGC MAVG - calculated and Good Engineering and Operating Practices
6/10/2014 13:01	0:01	KWPII	0.008	15,041	AGC MAVG - calculated and Good Engineering and Operating Practices
6/10/2014 14:34	0:01	KWPII	0.013	16,364	AGC MAVG - calculated
6/10/2014 14:39	0:02	KWPII	0.043	18,548	AGC MAVG - calculated
6/10/2014 14:43	0:04	KWPII	0.158	19,855	AGC MAVG - calculated
6/10/2014 14:50	0:11	KWPII	0.497	20,091	AGC MAVG - calculated
6/10/2014 15:05	0:02	KWPII	0.063	20,012	AGC MAVG - calculated
6/10/2014 15:14	0:01	KWPII	0.017	18,808	AGC MAVG - calculated
6/10/2014 15:18	0:01	KWPII	0.012	18,876	AGC MAVG - calculated
6/10/2014 15:27	0:02	KWPII	0.019	20,280	AGC MAVG - calculated
6/10/2014 15:39	0:02	KWPII	0.012	20,215	AGC MAVG - calculated
6/10/2014 22:37	0:01	KWPII	0.002	19,976	AGC MAVG - calculated
6/10/2014 22:42	0:03	KWPII	0.020	20,427	AGC MAVG - calculated
6/10/2014 23:08	0:03	KWPII	0.061	20,143	AGC MAVG - calculated
6/10/2014 23:17	0:01	KWPII	0.009	18,533	AGC MAVG - calculated
6/10/2014 23:23	0:03	KWPII	0.062	18,338	AGC MAVG - calculated
6/10/2014 23:37	3:11	KWPII	30.531	20,702	AGC MAVG - calculated
6/11/2014 2:53	0:01	KWPII	0.024	16,698	AGC MAVG - calculated
6/11/2014 3:04	0:17	KWPII	2.298	20,670	AGC MAVG - calculated
6/11/2014 3:22	0:02	KWPII	0.052	19,814	AGC MAVG - calculated
6/11/2014 3:26	0:03	KWPII	0.093	19,466	AGC MAVG - calculated
6/11/2014 3:30	0:02	KWPII	0.017	18,649	AGC MAVG - calculated
6/11/2014 3:33	0:03	KWPII	0.065	18,596	AGC MAVG - calculated
6/11/2014 3:43	1:08	KWPII	6.149	20,233	AGC MAVG - calculated
6/11/2014 4:52	0:06	KWPII	0.182	15,748	AGC MAVG - calculated
6/11/2014 4:59	0:03	KWPII	0.077	14,968	AGC MAVG - calculated
6/11/2014 5:03	0:01	KWPII	0.033	13,388	AGC MAVG - calculated
6/11/2014 5:09	0:02	KWPII	0.031	17,213	AGC MAVG - calculated
6/11/2014 5:54	0:01	KWPII	0.002	16,323	AGC MAVG - calculated
6/11/2014 5:56	1:11	KWPII	5.021	20,543	AGC MAVG - calculated
6/11/2014 12:23	0:01	KWPII	0.001	11,640	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 18:57	0:02	KWPII	0.033	19,108	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 17:02	0:01	KWPII	0.024	18,349	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 17:34	0:03	KWPII	0.015	20,229	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 17:43	0:01	KWPII	0.010	19,453	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 17:47	0:02	KWPII	0.050	20,481	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 17:55	0:03	KWPII	0.068	20,427	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 18:03	0:03	KWPII	0.025	19,637	AGC MAVG - calculated and Good Engineering and Operating Practices
6/11/2014 23:17	0:02	KWPII	0.026	12,940	AGC MAVG - calculated
6/11/2014 23:20	0:15	KWPII	0.748	14,376	AGC MAVG - calculated
6/11/2014 23:52	0:01	KWPII	0.000	16,504	AGC MAVG - calculated
6/11/2014 23:58	0:03	KWPII	0.125	15,879	AGC MAVG - calculated
6/12/2014 0:00	0:01	KWPII	0.033	15,131	AGC MAVG - calculated
6/12/2014 0:04	0:22	KWPII	1.736	17,538	AGC MAVG - calculated
6/12/2014 0:46	1:18	KWPII	7.427	18,146	AGC MAVG - calculated
6/12/2014 2:05	0:03	KWPII	0.122	14,897	AGC MAVG - calculated
6/12/2014 2:10	0:03	KWPII	0.082	12,360	AGC MAVG - calculated
6/12/2014 2:14	0:33	KWPII	2.813	19,146	AGC MAVG - calculated
6/12/2014 2:46	2:22	KWPII	25.480	19,020	AGC MAVG - calculated
6/12/2014 2:55	0:03	AWE	0.048	19,200	AGC MAVG - calculated
6/12/2014 3:13	0:01	AWE	0.003	18,100	AGC MAVG - calculated
6/12/2014 3:49	0:04	AWE	0.046	19,400	AGC MAVG - calculated
6/12/2014 3:55	0:01	AWE	0.025	17,800	AGC MAVG - calculated
6/12/2014 4:05	0:02	AWE	0.036	19,700	AGC MAVG - calculated
6/12/2014 5:11	0:01	KWPII	0.025	18,212	AGC MAVG - calculated
6/12/2014 5:13	0:11	KWPII	0.379	18,713	AGC MAVG - calculated
6/12/2014 5:25	0:01	KWPII	0.026	18,412	AGC MAVG - calculated
6/12/2014 5:27	0:01	KWPII	0.005	18,557	AGC MAVG - calculated
6/12/2014 5:30	0:01	KWPII	0.037	17,078	AGC MAVG - calculated
6/12/2014 5:33	0:03	KWPII	0.054	18,436	AGC MAVG - calculated
6/12/2014 5:37	0:01	KWPII	0.002	14,765	AGC MAVG - calculated
6/12/2014 5:39	0:04	KWPII	0.086	15,842	AGC MAVG - calculated
6/12/2014 5:44	0:09	KWPII	0.334	18,497	AGC MAVG - calculated
6/12/2014 5:54	0:02	KWPII	0.054	18,422	AGC MAVG - calculated
6/12/2014 5:58	0:01	KWPII	0.015	18,519	AGC MAVG - calculated
6/12/2014 7:07	0:01	KWPII	0.006	19,726	AGC MAVG - calculated
6/12/2014 8:47	0:01	KWPII	0.001	20,535	AGC MAVG - calculated
6/12/2014 8:50	0:03	KWPII	0.072	20,614	AGC MAVG - calculated
6/12/2014 8:54	0:01	KWPII	0.025	20,540	AGC MAVG - calculated
6/12/2014 8:58	0:01	KWPII	0.004	20,689	AGC MAVG - calculated
6/12/2014 9:02	0:05	KWPII	0.038	20,815	AGC MAVG - calculated
6/12/2014 9:08	0:02	KWPII	0.019	19,897	AGC MAVG - calculated
6/12/2014 9:39	0:01	KWPII	0.007	20,183	AGC MAVG - calculated
6/12/2014 10:37	0:01	KWPII	0.017	19,257	AGC MAVG - calculated
6/12/2014 10:50	0:02	KWPII	0.019	20,224	AGC MAVG - calculated
6/12/2014 11:01	0:01	KWPII	0.044	19,423	AGC MAVG - calculated
6/12/2014 11:09	0:02	KWPII	0.031	20,243	AGC MAVG - calculated
6/12/2014 11:22	0:04	KWPII	0.082	18,794	AGC MAVG - calculated
6/13/2014 0:07	0:05	KWPII	0.079	16,820	AGC MAVG - calculated
6/13/2014 0:13	0:01	KWPII	0.005	16,077	AGC MAVG - calculated
6/13/2014 0:16	0:05	KWPII	0.071	17,110	AGC MAVG - calculated
6/13/2014 0:43	0:07	KWPII	0.038	15,789	AGC MAVG - calculated
6/13/2014 0:46	0:07	KWPII	0.185	15,273	AGC MAVG - calculated
6/13/2014 0:54	0:30	KWPII	1.861	17,492	AGC MAVG - calculated
6/13/2014 1:57	2:34	KWPII	26.189	17,712	AGC MAVG - calculated
6/13/2014 3:48	0:22	AWE	2.081	21,000	AGC MAVG - calculated
6/13/2014 4:13	0:10	AWE	0.356	21,000	AGC MAVG - calculated
6/13/2014 4:24	0:03	AWE	0.032	17,600	AGC MAVG - calculated
6/13/2014 4:33	0:33	KWPII	4.972	17,706	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/13/2014 4:46	0:02	AWE	0.042	20.600	AGC MAVG - calculated
6/13/2014 5:07	0:29	KWPII	2.484	17.701	AGC MAVG - calculated
6/13/2014 5:39	0:21	KWPII	1.190	17.694	AGC MAVG - calculated
6/13/2014 7:09	0:01	KWPII	0.002	19.206	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 7:11	0:20	KWPII	0.783	19.211	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 7:34	0:01	KWPII	0.002	19.211	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 7:36	1:43	KWPII	3.569	19.211	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:14	0:08	KWPII	0.313	19.191	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:26	0:02	KWPII	0.005	19.133	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:32	0:02	KWPII	0.021	19.193	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:43	0:01	KWPII	0.002	18.920	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:48	0:01	KWPII	0.006	18.918	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 10:49	0:01	KWPII	0.001	19.077	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:07	0:01	KWPII	0.006	19.155	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:16	0:06	KWPII	0.093	19.187	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:25	0:06	KWPII	0.089	19.207	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:33	0:04	KWPII	0.069	19.140	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:38	0:05	KWPII	0.084	19.197	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:45	0:01	KWPII	0.007	19.041	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:47	0:03	KWPII	0.018	19.043	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 11:58	0:02	KWPII	0.006	19.071	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 12:04	0:01	KWPII	0.003	19.101	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 12:08	0:01	KWPII	0.003	19.068	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 12:12	0:01	KWPII	0.008	18.756	AGC MAVG - calculated and Good Engineering and Operating Practices
6/13/2014 19:43	0:01	KWPII	0.005	15.833	AGC MAVG - calculated
6/13/2014 18:45	0:01	KWPII	0.026	16.442	AGC MAVG - calculated
6/13/2014 19:47	0:01	KWPII	0.003	16.304	AGC MAVG - calculated
6/13/2014 21:16	0:02	KWPII	0.028	19.313	AGC MAVG - calculated
6/13/2014 22:15	0:01	KWPII	0.018	20.405	AGC MAVG - calculated
6/13/2014 23:00	0:01	KWPII	0.008	20.498	AGC MAVG - calculated
6/13/2014 23:02	0:01	KWPII	0.004	20.305	AGC MAVG - calculated
6/13/2014 23:07	0:01	KWPII	0.010	20.221	AGC MAVG - calculated
6/13/2014 23:13	0:03	KWPII	0.047	20.551	AGC MAVG - calculated
6/13/2014 23:21	0:05	KWPII	0.107	20.438	AGC MAVG - calculated
6/13/2014 23:28	0:03	KWPII	0.051	20.187	AGC MAVG - calculated
6/13/2014 23:37	0:35	KWPII	1.405	20.341	AGC MAVG - calculated
6/14/2014 0:13	*0:08*	*KWPII*	*0.182*	*19.369*	*AGC MAVG - calculated*
6/14/2014 0:45	0:01	KWPII	0.063	18.998	AGC MAVG - calculated
6/14/2014 0:48	1:54	KWPII	27.883	20.705	AGC MAVG - calculated
6/14/2014 2:12	0:13	AWE	0.077	21.000	AGC MAVG - calculated
6/14/2014 2:26	0:03	AWE	0.048	20.400	AGC MAVG - calculated
6/14/2014 2:30	0:03	AWE	0.035	19.700	AGC MAVG - calculated
6/14/2014 2:44	3:27	KWPII	42.074	20.708	AGC MAVG - calculated
6/14/2014 4:22	0:03	AWE	0.031	21.000	AGC MAVG - calculated
6/14/2014 6:32	0:02	KWPII	0.007	20.707	AGC MAVG - calculated
6/14/2014 6:40	0:02	KWPII	0.014	20.708	AGC MAVG - calculated
6/14/2014 6:44	8:58	KWPII	59.897	20.708	AGC MAVG - calculated
6/14/2014 15:44	0:05	KWPII	0.144	20.478	AGC MAVG - calculated and Good Engineering and Operating Practices
6/14/2014 15:50	0:01	KWPII	0.010	20.217	AGC MAVG - calculated and Good Engineering and Operating Practices
6/14/2014 15:53	0:01	KWPII	0.002	20.085	AGC MAVG - calculated and Good Engineering and Operating Practices
6/14/2014 22:44	0:02	KWPII	0.030	20.704	AGC MAVG - calculated
6/14/2014 22:47	0:04	KWPII	0.125	20.708	AGC MAVG - calculated
6/14/2014 23:06	0:05	KWPII	0.055	20.708	AGC MAVG - calculated
6/14/2014 23:12	0:04	KWPII	0.102	20.708	AGC MAVG - calculated
6/14/2014 23:17	5:43	KWPII	104.722	20.708	AGC MAVG - calculated
6/15/2014 0:46	0:18	AWE	0.391	21.000	AGC MAVG - calculated
6/15/2014 1:07	0:03	AWE	0.026	19.100	AGC MAVG - calculated
6/15/2014 1:11	3:44	AWE	19.134	21.000	AGC MAVG - calculated
6/15/2014 5:02	0:06	KWPII	1.628	20.578	AGC MAVG - calculated
6/15/2014 5:12	6:49	KWPII	53.697	20.708	AGC MAVG - calculated
6/15/2014 5:15	0:05	AWE	0.148	19.800	AGC MAVG - calculated
6/15/2014 12:10	1:11	KWPII	5.507	20.701	AGC MAVG - calculated
6/15/2014 13:23	0:03	KWPII	0.027	20.489	AGC MAVG - calculated
6/15/2014 13:26	0:03	KWPII	0.045	19.682	AGC MAVG - calculated
6/15/2014 13:35	0:01	KWPII	0.031	20.134	AGC MAVG - calculated
6/15/2014 13:41	0:02	KWPII	0.047	20.292	AGC MAVG - calculated
6/15/2014 13:45	0:01	KWPII	0.015	20.187	AGC MAVG - calculated
6/15/2014 13:50	0:01	KWPII	0.028	20.481	AGC MAVG - calculated
6/15/2014 13:52	0:03	KWPII	0.066	20.466	AGC MAVG - calculated
6/15/2014 13:56	0:01	KWPII	0.016	20.514	AGC MAVG - calculated
6/15/2014 14:01	0:01	KWPII	0.010	20.650	AGC MAVG - calculated
6/15/2014 22:56	0:05	KWPII	0.136	20.708	AGC MAVG - calculated
6/15/2014 23:04	0:03	KWPII	0.079	20.708	AGC MAVG - calculated
6/15/2014 23:09	0:01	KWPII	0.016	20.708	AGC MAVG - calculated
6/15/2014 23:12	0:01	KWPII	0.017	20.708	AGC MAVG - calculated
6/15/2014 23:15	0:01	KWPII	0.005	20.708	AGC MAVG - calculated
6/15/2014 23:24	0:02	KWPII	0.012	20.707	AGC MAVG - calculated
6/15/2014 23:28	0:01	KWPII	0.002	20.698	AGC MAVG - calculated
6/15/2014 23:32	0:01	KWPII	0.001	20.708	AGC MAVG - calculated
6/15/2014 23:34	2:22	KWPII	21.073	20.708	AGC MAVG - calculated
6/16/2014 1:57	1:04	KWPII	19.187	20.706	AGC MAVG - calculated
6/16/2014 2:12	0:07	AWE	0.148	20.100	AGC MAVG - calculated
6/16/2014 2:25	0:02	AWE	0.015	17.200	AGC MAVG - calculated
6/16/2014 2:35	0:02	AWE	0.007	16.700	AGC MAVG - calculated
6/16/2014 2:44	0:10	AWE	0.291	18.000	AGC MAVG - calculated
6/16/2014 3:03	0:48	KWPII	13.572	19.211	AGC MAVG - calculated
6/16/2014 3:24	0:21	AWE	0.922	21.000	AGC MAVG - calculated
6/16/2014 3:53	0:10	KWPII	2.723	19.208	AGC MAVG - calculated
6/16/2014 4:05	0:01	KWPII	0.290	19.208	AGC MAVG - calculated
6/16/2014 4:07	0:10	AWE	0.407	21.000	AGC MAVG - calculated
6/16/2014 4:07	0:22	KWPII	6.695	19.208	AGC MAVG - calculated
6/16/2014 4:19	0:02	AWE	0.056	20.600	AGC MAVG - calculated
6/16/2014 4:22	0:02	AWE	0.051	21.000	AGC MAVG - calculated
6/16/2014 4:31	0:16	KWPII	2.267	19.204	AGC MAVG - calculated
6/16/2014 4:49	0:24	KWPII	3.644	19.207	AGC MAVG - calculated
6/16/2014 5:14	0:07	KWPII	0.447	19.211	AGC MAVG - calculated
6/16/2014 5:22	0:15	KWPII	0.787	19.211	AGC MAVG - calculated
6/16/2014 5:38	0:01	KWPII	0.007	19.204	AGC MAVG - calculated
6/16/2014 5:43	0:01	KWPII	0.004	19.210	AGC MAVG - calculated
6/16/2014 5:50	0:13	KWPII	0.398	19.210	AGC MAVG - calculated
6/16/2014 7:31	0:06	KWPII	0.076	20.706	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 7:39	2:04	KWPII	11.386	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 9:44	0:01	KWPII	0.009	20.661	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 11:02	0:02	KWPII	0.045	18.537	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 11:06	0:01	KWPII	0.023	17.865	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 11:15	0:01	KWPII	0.010	18.519	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 12:49	0:01	KWPII	0.010	15.864	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 13:15	*0:24*	*KWPII*	*1.360*	*20.003*	*AGC MAVG - calculated and Good Engineering and Operating Practices*
6/16/2014 13:40	0:01	KWPII	0.057	18.720	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 13:43	0:01	KWPII	0.035	19.070	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 13:46	0:01	KWPII	0.028	19.042	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 13:48	0:01	KWPII	0.023	19.390	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 13:50	1:33	KWPII	6.498	20.705	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 15:24	0:01	KWPII	0.039	20.702	AGC MAVG - calculated and Good Engineering and Operating Practices

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/16/2014 15:28	0:04	KWPII	0.039	20 869	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 15:49	0:01	KWPII	0.007	20 646	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 15:57	0:01	KWPII	0.010	20 322	AGC MAVG - calculated and Good Engineering and Operating Practices
6/16/2014 23:11	0:02	KWPII	0.012	20 677	AGC MAVG - calculated
6/16/2014 23:19	0:01	KWPII	0.014	20 680	AGC MAVG - calculated
6/16/2014 23:23	0:01	KWPII	0.017	20 674	AGC MAVG - calculated
6/16/2014 23:25	0:30	KWPII	2.218	20 636	AGC MAVG - calculated
6/16/2014 23:58	0:03	KWPII	0.066	17 744	AGC MAVG - calculated
6/17/2014 0:07	0:13	KWPII	0.833	18 449	AGC MAVG - calculated
6/17/2014 0:23	0:28	KWPII	3.867	18 728	AGC MAVG - calculated
6/17/2014 0:52	0:02	KWPII	0.038	12 273	AGC MAVG - calculated
6/17/2014 0:55	0:03	KWPII	0.031	11 265	AGC MAVG - calculated
6/17/2014 1:26	0:01	KWPII	0.016	8 981	AGC MAVG - calculated
6/17/2014 1:29	0:07	KWPII	1.078	17 136	AGC MAVG - calculated
6/17/2014 1:37	0:04	KWPII	0.890	15 328	AGC MAVG - calculated
6/17/2014 1:43	0:11	KWPII	1.108	9 935	AGC MAVG - calculated
6/17/2014 1:46	0:01	AWE	0.009	21 000	AGC MAVG - calculated
6/17/2014 1:51	0:01	AWE	0.001	21 000	AGC MAVG - calculated
6/17/2014 1:53	0:01	AWE	0.015	21 000	AGC MAVG - calculated
6/17/2014 1:56	0:04	KWPII	0.182	5 983	AGC MAVG - calculated
6/17/2014 2:49	0:01	AWE	0.014	20 700	AGC MAVG - calculated
6/17/2014 2:49	0:06	KWPII	0.258	4 881	AGC MAVG - calculated
6/17/2014 2:52	0:03	AWE	0.092	20 200	AGC MAVG - calculated
6/17/2014 3:01	0:02	KWPII	0.065	4 731	AGC MAVG - calculated
6/17/2014 3:01	0:02	AWE	0.041	19 800	AGC MAVG - calculated
6/17/2014 3:06	0:03	KWPII	0.100	3 971	AGC MAVG - calculated
6/17/2014 3:06	0:03	AWE	0.087	21 000	AGC MAVG - calculated
6/17/2014 3:12	0:25	KWPII	2.154	7 330	AGC MAVG - calculated
6/17/2014 3:13	0:01	AWE	0.008	21 000	AGC MAVG - calculated
6/17/2014 3:15	0:22	AWE	2.082	21 000	AGC MAVG - calculated
6/17/2014 3:38	0:48	AWE	5.589	21 000	AGC MAVG - calculated
6/17/2014 3:38	1:31	KWPII	21.904	19 870	AGC MAVG - calculated
6/17/2014 4:25	0:07	AWE	0.123	19 300	AGC MAVG - calculated
6/17/2014 4:33	0:01	AWE	0.002	18 100	AGC MAVG - calculated
6/17/2014 4:35	0:03	AWE	0.029	18 100	AGC MAVG - calculated
6/17/2014 4:39	0:23	AWE	0.560	21 000	AGC MAVG - calculated
6/17/2014 5:03	0:01	AWE	0.003	21 000	AGC MAVG - calculated
6/17/2014 5:10	0:16	KWPII	2.228	17 854	AGC MAVG - calculated
6/17/2014 5:27	0:49	KWPII	3.205	15 314	AGC MAVG - calculated
6/17/2014 6:20	0:01	KWPII	0.004	9 858	AGC MAVG - calculated
6/17/2014 6:28	0:02	KWPII	0.026	9 552	AGC MAVG - calculated
6/17/2014 6:36	0:01	KWPII	0.017	11 315	AGC MAVG - calculated
6/17/2014 6:36	0:08	KWPII	0.202	14 804	AGC MAVG - calculated
6/17/2014 6:45	0:06	KWPII	0.190	15 858	AGC MAVG - calculated
6/17/2014 6:53	0:07	KWPII	0.091	16 248	AGC MAVG - calculated
6/17/2014 7:48	0:03	KWPII	0.091	19 599	AGC MAVG - calculated
6/17/2014 7:56	0:01	KWPII	0.026	17 847	AGC MAVG - calculated
6/17/2014 7:58	0:03	KWPII	0.124	17 750	AGC MAVG - calculated
6/17/2014 8:05	0:06	KWPII	0.103	20 187	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 8:15	0:49	KWPII	3.229	20 520	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 9:05	0:02	KWPII	0.014	20 597	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 9:53	0:01	KWPII	0.029	20 357	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 9:57	0:06	KWPII	0.281	20 820	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 10:07	0:02	KWPII	0.060	20 089	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 10:10	0:26	KWPII	1.842	20 485	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 10:37	0:08	KWPII	0.301	19 543	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 10:46	0:18	KWPII	1.044	20 311	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:05	0:08	KWPII	0.153	20 484	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:15	0:07	KWPII	0.242	20 248	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:23	0:07	KWPII	0.549	20 172	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:31	0:11	KWPII	0.467	20 034	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:43	0:03	KWPII	0.033	19 759	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 11:51	0:02	KWPII	0.024	19 848	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 12:34	0:01	KWPII	0.010	13 182	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 12:44	0:01	KWPII	0.010	18 787	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 12:48	0:02	KWPII	0.130	16 430	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:04	0:02	KWPII	0.048	13 356	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:33	0:01	KWPII	0.003	15 207	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:39	0:03	KWPII	0.059	18 928	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:43	0:02	KWPII	0.072	18 312	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:46	0:04	KWPII	0.174	18 268	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:51	0:02	KWPII	0.061	18 209	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 13:54	0:31	KWPII	2.249	18 172	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 14:26	0:02	KWPII	0.018	17 811	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 14:29	0:01	KWPII	0.007	18 749	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 14:39	0:02	KWPII	0.024	18 285	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 14:45	0:01	KWPII	0.001	18 533	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 14:47	0:12	KWPII	0.267	19 866	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 15:00	0:02	KWPII	0.011	20 203	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 15:04	0:01	KWPII	0.008	20 280	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 15:09	0:04	KWPII	0.078	18 956	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 15:14	0:03	KWPII	0.051	18 645	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 15:19	0:53	KWPII	2.852	20 683	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:13	0:06	KWPII	0.130	20 466	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:21	0:01	KWPII	0.014	19 939	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:23	0:08	KWPII	0.192	20 650	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:32	0:08	KWPII	0.049	20 604	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:42	0:03	KWPII	0.036	20 676	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:46	0:08	KWPII	0.093	20 666	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:53	0:01	KWPII	0.018	20 600	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 16:55	0:47	KWPII	2.625	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 17:47	0:02	KWPII	0.010	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 17:54	0:01	KWPII	0.000	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 18:00	0:01	KWPII	0.004	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 18:04	0:01	KWPII	0.008	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 18:06	0:01	KWPII	0.010	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 18:14	0:07	KWPII	0.065	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 18:26	0:05	KWPII	0.042	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/17/2014 22:16	0:03	KWPII	0.050	20 794	AGC MAVG - calculated
6/17/2014 22:20	0:01	KWPII	0.029	20 553	AGC MAVG - calculated
6/17/2014 22:23	0:01	KWPII	0.010	20 582	AGC MAVG - calculated
6/17/2014 22:40	0:07	KWPII	0.155	20 187	AGC MAVG - calculated
6/17/2014 22:49	0:04	KWPII	0.180	20 405	AGC MAVG - calculated
6/17/2014 22:55	0:01	KWPII	0.028	20 461	AGC MAVG - calculated
6/17/2014 22:57	0:01	KWPII	0.026	20 320	AGC MAVG - calculated
6/17/2014 23:18	0:04	KWPII	0.088	20 589	AGC MAVG - calculated
6/17/2014 23:25	0:02	KWPII	0.028	20 650	AGC MAVG - calculated
6/17/2014 23:28	0:01	KWPII	0.017	20 678	AGC MAVG - calculated
6/17/2014 23:30	0:19	KWPII	0.735	20 673	AGC MAVG - calculated
6/17/2014 23:50	1:13	KWPII	11.483	20 582	AGC MAVG - calculated
6/18/2014 1:04	1:20	KWPII	14.472	19 428	AGC MAVG - calculated
6/18/2014 1:32	0:02	AWE	0.035	17 400	AGC MAVG - calculated
6/18/2014 1:58	0:16	AWE	0.905	20 800	AGC MAVG - calculated
6/18/2014 2:15	0:01	AWE	0.007	14 600	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/18/2014 2:18	0:01	AWE	0.001	13.800	AGC MAVG - calculated
6/18/2014 2:25	0:13	KWPII	2.910	16.826	AGC MAVG - calculated
6/18/2014 2:28	0:01	AWE	0.004	14.900	AGC MAVG - calculated
6/18/2014 2:39	1:49	KWPII	24.682	16.941	AGC MAVG - calculated
6/18/2014 2:40	0:58	AWE	2.924	20.400	AGC MAVG - calculated
6/18/2014 3:42	0:01	AWE	0.029	14.700	AGC MAVG - calculated
6/18/2014 3:44	0:04	AWE	0.118	18.100	AGC MAVG - calculated
6/18/2014 3:49	0:23	AWE	1.005	20.200	AGC MAVG - calculated
6/18/2014 4:14	0:01	AWE	0.009	17.900	AGC MAVG - calculated
6/18/2014 4:18	0:01	AWE	0.004	19.400	AGC MAVG - calculated
6/18/2014 4:26	0:02	AWE	0.033	19.200	AGC MAVG - calculated
6/18/2014 4:29	0:04	AWE	0.075	19.300	AGC MAVG - calculated
6/18/2014 4:29	0:06	KWPII	1.157	12.405	AGC MAVG - calculated
6/18/2014 4:37	0:03	KWPII	0.454	13.425	AGC MAVG - calculated
6/18/2014 4:42	3:21	KWPII	31.156	20.708	AGC MAVG - calculated
6/18/2014 8:04	0:06	KWPII	0.122	20.542	AGC MAVG - calculated
6/18/2014 8:11	0:01	KWPII	0.005	20.429	AGC MAVG - calculated
6/18/2014 8:13	0:01	KWPII	0.004	20.458	AGC MAVG - calculated
6/18/2014 8:16	0:02	KWPII	0.008	20.541	AGC MAVG - calculated
6/18/2014 8:19	0:02	KWPII	0.015	20.545	AGC MAVG - calculated
6/18/2014 8:24	0:03	KWPII	0.011	20.667	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 8:29	0:03	KWPII	0.031	20.695	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 8:51	0:05	KWPII	0.056	20.688	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 8:58	0:01	KWPII	0.003	20.646	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:00	0:01	KWPII	0.000	20.687	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:04	0:03	KWPII	0.025	20.679	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:09	0:01	KWPII	0.002	20.702	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:21	0:01	KWPII	0.001	20.694	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:47	0:02	KWPII	0.014	20.652	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:51	0:01	KWPII	0.000	20.652	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:53	0:01	KWPII	0.007	20.657	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 9:57	0:03	KWPII	0.013	20.544	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 10:09	0:01	KWPII	0.001	20.557	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 10:21	0:02	KWPII	0.018	20.695	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 10:24	0:02	KWPII	0.012	20.700	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 10:30	2:55	KWPII	6.899	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 12:39	0:08	KWPII	0.249	20.702	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 12:57	0:03	KWPII	0.075	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 13:04	0:06	KWPII	0.062	20.703	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 13:15	0:07	KWPII	0.088	20.706	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 13:23	0:01	KWPII	0.005	20.703	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 13:25	0:02	KWPII	0.016	20.702	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 22:37	0:02	KWPII	0.014	20.706	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 23:18	0:05	KWPII	0.065	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 23:23	0:04	KWPII	0.141	20.706	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 23:30	0:01	KWPII	0.038	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/18/2014 23:34	0:01	KWPII	0.006	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 0:37	0:01	KWPII	0.002	20.708	AGC MAVG - calculated
6/19/2014 0:44	0:01	KWPII	0.001	20.708	AGC MAVG - calculated
6/19/2014 0:46	0:02	KWPII	0.007	20.708	AGC MAVG - calculated
6/19/2014 0:49	0:02	KWPII	0.007	20.708	AGC MAVG - calculated
6/19/2014 0:53	0:01	KWPII	0.004	20.708	AGC MAVG - calculated
6/19/2014 0:56	2:00	KWPII	10.252	20.708	AGC MAVG - calculated
6/19/2014 2:57	2:21	KWPII	12.604	20.706	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 5:19	0:07	KWPII	0.139	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 9:25	0:03	KWPII	0.033	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 9:32	4:54	KWPII	51.245	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 12:24	0:01	AWE	0.000	17.700	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 12:26	0:01	AWE	0.001	17.300	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:27	0:02	KWPII	0.044	20.625	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:30	0:09	KWPII	0.338	20.548	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:40	0:01	KWPII	0.002	20.051	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:45	0:02	KWPII	0.031	20.484	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:48	0:03	KWPII	0.069	20.385	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:52	0:03	KWPII	0.075	20.541	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:56	0:02	KWPII	0.023	20.143	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 14:59	0:03	KWPII	0.063	20.481	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:06	0:01	KWPII	0.015	20.627	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:10	0:01	KWPII	0.015	20.524	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:16	0:01	KWPII	0.015	20.581	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:19	0:01	KWPII	0.005	20.372	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:22	0:02	KWPII	0.023	20.569	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 15:43	0:01	KWPII	0.003	20.549	AGC MAVG - calculated and Good Engineering and Operating Practices
6/19/2014 23:43	0:01	AWE	0.002	0.100	AGC MAVG - calculated
6/20/2014 1:29	0:01	KWPII	0.038	18.196	AGC MAVG - calculated
6/20/2014 1:33	0:06	KWPII	0.202	19.174	AGC MAVG - calculated
6/20/2014 1:41	0:03	KWPII	0.172	19.849	AGC MAVG - calculated
6/20/2014 1:46	0:01	KWPII	0.015	19.905	AGC MAVG - calculated
6/20/2014 1:53	0:02	KWPII	0.028	20.148	AGC MAVG - calculated
6/20/2014 1:57	0:03	KWPII	0.090	19.960	AGC MAVG - calculated and AGC MAVG - entered
6/20/2014 2:01	0:06	KWPII	0.104	19.185	AGC MAVG - calculated and AGC MAVG - entered
6/20/2014 3:40	0:26	KWPII	2.701	19.957	AGC MAVG - calculated
6/20/2014 4:09	0:04	KWPII	0.068	18.314	AGC MAVG - calculated
6/20/2014 4:16	1:28	KWPII	7.640	20.533	AGC MAVG - calculated
6/20/2014 5:38	0:01	AWE	0.002	0.100	AGC MAVG - calculated
6/20/2014 5:45	0:01	KWPII	0.016	19.346	AGC MAVG - calculated
6/20/2014 5:48	0:02	KWPII	0.037	18.711	AGC MAVG - calculated
6/20/2014 5:55	0:05	KWPII	0.100	18.334	AGC MAVG - calculated
6/20/2014 6:01	0:02	KWPII	0.011	19.200	AGC MAVG - calculated
6/20/2014 7:52	0:01	KWPII	0.002	19.672	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 7:57	0:03	KWPII	0.013	20.092	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 9:14	0:01	KWPII	0.005	18.018	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 11:05	0:01	AWE	0.002	0.100	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 11:06	0:01	AWE	0.002	0.100	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 11:11	0:02	AWE	0.005	0.200	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 14:00	0:01	KWPII	0.003	20.625	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 14:03	0:07	KWPII	0.150	20.682	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 14:11	0:01	KWPII	0.010	20.612	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 14:40	0:07	KWPII	0.145	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 15:39	0:04	KWPII	0.023	20.707	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 15:44	0:01	KWPII	0.011	20.688	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 15:47	0:03	KWPII	0.020	20.809	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 15:51	0:01	KWPII	0.007	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 15:57	0:03	KWPII	0.003	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 16:01	0:05	KWPII	0.050	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
6/20/2014 16:34	0:01	AWE	0.002	0.100	AGC MAVG - calculated and Good Engineering and Operating Practices
6/21/2014 2:39	0:01	KWPII	0.025	15.138	AGC MAVG - calculated
6/21/2014 2:52	0:01	KWPII	0.007	17.279	AGC MAVG - calculated
6/21/2014 2:54	0:03	KWPII	0.025	17.784	AGC MAVG - calculated
6/21/2014 2:58	0:01	KWPII	0.018	17.687	AGC MAVG - calculated
6/21/2014 3:05	0:04	KWPII	0.094	18.935	AGC MAVG - calculated
6/21/2014 3:13	0:06	KWPII	0.138	18.321	AGC MAVG - calculated
6/21/2014 3:22	0:01	KWPII	0.001	18.036	AGC MAVG - calculated
6/21/2014 3:31	0:06	KWPII	0.109	18.285	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/21/2014 4:09	0:01	KWPII	0.001	15 804	AGC MAVG - calculated
6/21/2014 4:20	0:01	KWPII	0.026	18 173	AGC MAVG - calculated
6/21/2014 4:29	0:02	KWPII	0.013	19 220	AGC MAVG - calculated
6/21/2014 4:35	0:05	KWPII	0.123	19 010	AGC MAVG - calculated
6/21/2014 4:41	0:08	KWPII	0.101	19 337	AGC MAVG - calculated
6/21/2014 4:50	0:02	KWPII	0.040	18 811	AGC MAVG - calculated
6/21/2014 8:48	0:07	KWPII	0.159	16 451	AGC MAVG - calculated
6/21/2014 8:56	0:03	KWPII	0.026	15 815	AGC MAVG - calculated
6/21/2014 9:55	0:01	AWE	0.002	0 100	AGC MAVG - calculated
6/21/2014 23:31	0:01	KWPII	0.008	17 682	AGC MAVG - calculated
6/21/2014 23:52	0:01	KWPII	0.004	18 448	AGC MAVG - calculated
6/21/2014 23:57	0:02	KWPII	0.029	17 796	AGC MAVG - calculated
6/22/2014 0:09	0:08	KWPII	0.128	16 653	AGC MAVG - calculated
6/22/2014 0:16	0:01	KWPII	0.014	13 063	AGC MAVG - calculated
6/22/2014 5:41	0:02	KWPII	0.049	12 665	AGC MAVG - calculated
6/22/2014 5:44	0:01	KWPII	0.020	13 210	AGC MAVG - calculated
6/22/2014 5:50	0:06	KWPII	0.079	13 097	AGC MAVG - calculated
6/22/2014 5:58	0:01	KWPII	0.014	11 014	AGC MAVG - calculated
6/22/2014 6:02	0:05	KWPII	0.110	13 219	AGC MAVG - calculated
6/22/2014 6:06	0:02	KWPII	0.015	12 569	AGC MAVG - calculated
6/22/2014 6:12	0:04	KWPII	0.027	13 666	AGC MAVG - calculated
6/22/2014 6:18	0:04	KWPII	0.045	16 294	AGC MAVG - calculated
6/22/2014 6:26	0:01	KWPII	0.016	17 489	AGC MAVG - calculated
6/22/2014 17:31	0:04	KWPII	0.161	15 035	AGC MAVG - calculated
6/22/2014 17:37	0:01	KWPII	0.023	15 265	AGC MAVG - calculated
6/22/2014 22:19	0:01	AWE	0.002	0 100	AGC MAVG - calculated
6/23/2014 0:36	0:01	KWPII	0.002	17 315	AGC MAVG - calculated
6/23/2014 0:47	0:02	KWPII	0.029	16 763	AGC MAVG - calculated
6/23/2014 0:50	0:02	KWPII	0.021	16 566	AGC MAVG - calculated
6/23/2014 1:08	0:01	KWPII	0.019	15 580	AGC MAVG - calculated
6/23/2014 1:10	0:01	KWPII	0.015	17 349	AGC MAVG - calculated
6/23/2014 1:12	0:02	KWPII	0.033	16 327	AGC MAVG - calculated
6/23/2014 1:15	0:03	KWPII	0.083	16 326	AGC MAVG - calculated
6/23/2014 1:20	0:02	KWPII	0.017	17 695	AGC MAVG - calculated
6/23/2014 1:23	0:08	KWPII	0.260	16 298	AGC MAVG - calculated
6/23/2014 1:35	3:30	KWPII	27 827	19 211	AGC MAVG - calculated
6/23/2014 5:33	0:01	AWE	0.003	0 200	AGC MAVG - calculated
6/23/2014 6:56	0:28	KWPII	1 339	20 695	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 6:00	0:01	KWPII	0.002	20 676	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 8:07	0:01	KWPII	0.008	20 680	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 8:47	0:01	KWPII	0.002	20 677	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 8:55	0:01	KWPII	0.000	20 704	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 13:41	0:03	KWPII	0.088	20 006	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 13:47	0:01	KWPII	0.006	20 495	AGC MAVG - calculated and Good Engineering and Operating Practices
6/23/2014 23:33	0:01	KWPII	0.004	19 842	AGC MAVG - calculated
6/24/2014 0:09	0:01	KWPII	0.011	19 119	AGC MAVG - calculated
6/24/2014 0:27	0:03	KWPII	0.042	18 511	AGC MAVG - calculated
6/24/2014 0:35	0:02	KWPII	0.017	19 667	AGC MAVG - calculated
6/24/2014 0:40	0:01	KWPII	0.025	18 439	AGC MAVG - calculated
6/24/2014 0:42	1:39	KWPII	7 658	20 650	AGC MAVG - calculated
6/24/2014 2:55	0:01	KWPII	0.008	17 088	AGC MAVG - calculated
6/24/2014 3:12	0:45	KWPII	3 595	19 416	AGC MAVG - calculated
6/24/2014 3:58	0:03	KWPII	0.086	16 886	AGC MAVG - calculated
6/24/2014 4:02	0:01	KWPII	0.034	16 821	AGC MAVG - calculated
6/24/2014 4:05	0:01	KWPII	0.020	17 083	AGC MAVG - calculated
6/24/2014 4:09	0:02	KWPII	0.033	16 968	AGC MAVG - calculated
6/24/2014 4:14	0:01	KWPII	0.014	14 530	AGC MAVG - calculated
6/24/2014 4:21	0:01	KWPII	0.008	13 080	AGC MAVG - calculated
6/24/2014 4:30	0:01	KWPII	0.005	14 028	AGC MAVG - calculated
6/24/2014 4:34	0:01	KWPII	0.007	16 800	AGC MAVG - calculated
6/24/2014 4:36	0:04	KWPII	0.187	16 266	AGC MAVG - calculated
6/24/2014 4:42	0:01	KWPII	0.027	16 654	AGC MAVG - calculated
6/24/2014 4:44	0:01	KWPII	0.015	16 546	AGC MAVG - calculated
6/24/2014 4:47	0:01	KWPII	0.007	17 814	AGC MAVG - calculated
6/24/2014 6:58	0:02	KWPII	0.008	11 734	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:02	0:06	KWPII	0.093	15 534	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:20	0:01	KWPII	0.026	14 703	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:23	0:13	KWPII	0.795	14 463	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:36	0:06	KWPII	0.253	13 570	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:45	0:05	KWPII	0.115	8 169	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:52	0:01	KWPII	0.000	8 287	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:55	0:02	KWPII	0.047	6 258	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 7:59	0:02	KWPII	0.035	5 953	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 8:04	0:01	KWPII	0.009	7 073	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 9:35	0:01	KWP	0.000	0 016	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 11:26	0:09	KWPII	0.456	14 184	AGC MAVG - calculated and Good Engineering and Operating Practices
6/24/2014 22:57	0:01	KWPII	0.003	20 462	AGC MAVG - calculated
6/24/2014 22:59	2:20	KWPII	20 744	20 704	AGC MAVG - calculated
6/25/2014 0:17	0:01	AWE	0.019	21 000	AGC MAVG - calculated
6/25/2014 1:20	0:01	KWPII	0.017	18 066	AGC MAVG - calculated
6/25/2014 1:46	0:01	KWPII	0.007	12 733	AGC MAVG - calculated
6/25/2014 1:48	0:02	KWPII	0.043	12 187	AGC MAVG - calculated
6/25/2014 1:53	0:01	KWPII	0.024	12 196	AGC MAVG - calculated
6/25/2014 1:56	0:27	KWPII	2 174	14 197	AGC MAVG - calculated
6/25/2014 2:24	0:01	KWPII	0.001	9 830	AGC MAVG - calculated
6/25/2014 2:26	0:01	KWPII	0.002	9 273	AGC MAVG - calculated
6/25/2014 2:28	0:02	KWPII	0.006	8 498	AGC MAVG - calculated
6/25/2014 2:40	0:32	KWPII	2 542	13 809	AGC MAVG - calculated
6/25/2014 3:13	0:39	KWPII	7 830	20 553	AGC MAVG - calculated
6/25/2014 3:19	0:01	AWE	0.033	20 000	AGC MAVG - calculated
6/25/2014 3:55	0:01	KWPII	0.006	14 869	AGC MAVG - calculated
6/25/2014 4:07	0:01	KWPII	0.017	11 596	AGC MAVG - calculated
6/25/2014 4:11	0:01	KWPII	0.004	11 842	AGC MAVG - calculated
6/25/2014 4:16	0:01	KWPII	0.034	12 982	AGC MAVG - calculated
6/25/2014 4:45	0:01	KWPII	0.031	13 442	AGC MAVG - calculated
6/25/2014 5:02	0:02	KWPII	0.030	10 619	AGC MAVG - calculated
6/25/2014 5:08	0:01	KWPII	0.024	12 923	AGC MAVG - calculated
6/25/2014 5:12	0:04	KWPII	0.411	18 732	AGC MAVG - calculated
6/25/2014 5:28	0:29	KWPII	1 711	20 395	AGC MAVG - calculated
6/25/2014 5:58	0:01	KWPII	0.014	20 497	AGC MAVG - calculated
6/25/2014 7:52	0:01	KWPII	0.013	20 701	AGC MAVG - calculated
6/25/2014 7:55	0:01	KWPII	0.001	20 706	AGC MAVG - calculated
6/25/2014 8:00	0:01	KWPII	0.006	20 708	AGC MAVG - calculated
6/25/2014 8:33	0:02	KWPII	0.028	20 707	AGC MAVG - calculated
6/25/2014 11:54	0:01	KWPII	0.006	20 706	AGC MAVG - calculated
6/25/2014 12:14	0:16	KWPII	0.431	20 708	AGC MAVG - calculated
6/25/2014 12:31	0:17	KWPII	0.371	20 700	AGC MAVG - calculated
6/25/2014 12:49	0:02	KWPII	0.014	20 708	AGC MAVG - calculated
6/25/2014 13:15	0:01	KWPII	0.000	20 708	AGC MAVG - calculated
6/25/2014 13:48	0:01	KWPII	0.004	20 708	AGC MAVG - calculated
6/25/2014 13:53	0:01	KWPII	0.002	20 707	AGC MAVG - calculated
6/25/2014 22:26	0:02	KWPII	0.017	20 428	AGC MAVG - calculated
6/26/2014 0:11	0:01	KWPII	0.001	20 708	AGC MAVG - calculated
6/26/2014 0:29	0:01	AWE	0.005	0 300	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/26/2014 0 44	1 54	KWPII	31 000	20 708	AGC MAVG - calculated AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
6/26/2014 0 54	0 01	AWE	0 002	19 000	AGC MAVG - calculated
6/26/2014 1 32	0 02	AWE	0 026	17 200	AGC MAVG - calculated
6/26/2014 1 35	0 01	AWE	0 017	17 000	AGC MAVG - calculated
6/26/2014 1 37	0 10	AWE	0 138	18 900	AGC MAVG - calculated
6/26/2014 1 48	0 08	AWE	0 176	19 800	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
6/26/2014 1 57	0 36	AWE	1 780	20 000	AGC MAVG - entered - Excess Energy AGC MAVG - calculated AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
6/26/2014 2 39	0 59	KWPII	13 707	20 708	AGC MAVG - calculated
6/26/2014 3 38	0 37	KWPII	10 957	20 708	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
6/26/2014 4 00	0 02	AWE	0 032	14 800	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
6/26/2014 4 03	0 07	AWE	0 141	15 800	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
6/26/2014 4 18	0 32	KWPII	8 004	20 847	AGC MAVG - calculated
6/26/2014 5 23	0 01	KWPII	0 021	16 528	AGC MAVG - calculated
6/26/2014 5 39	0 01	KWPII	0 017	17 636	AGC MAVG - calculated
6/26/2014 5 43	0 59	KWPII	5 843	20 665	AGC MAVG - calculated
6/26/2014 6 44	0 01	KWPII	0 001	20 538	AGC MAVG - calculated
6/26/2014 6 47	0 41	KWPII	1 904	20 701	AGC MAVG - calculated
6/26/2014 7 29	0 04	KWPII	0 082	20 821	AGC MAVG - calculated
6/26/2014 7 34	0 02	KWPII	0 022	20 465	AGC MAVG - calculated
6/26/2014 7 44	0 01	KWPII	0 006	20 471	AGC MAVG - calculated
6/26/2014 7 48	0 07	KWPII	0 029	20 511	AGC MAVG - calculated
6/26/2014 7 56	0 01	KWPII	0 002	20 128	AGC MAVG - calculated
6/26/2014 9 17	0 02	AWE	0 015	7 900	Testing
6/26/2014 10 42	0 01	KWPII	0 002	20 143	AGC MAVG - calculated
6/26/2014 12 46	0 01	KWPII	0 031	18 888	AGC MAVG - calculated
6/26/2014 13 04	0 01	KWPII	0 005	16 540	AGC MAVG - calculated
6/26/2014 14 49	0 02	KWPII	0 032	19 543	AGC MAVG - calculated
6/26/2014 21 21	0 01	KWPII	0 002	20 181	AGC MAVG - calculated
6/26/2014 21 56	0 04	KWPII	0 049	20 025	AGC MAVG - calculated
6/26/2014 23 23	3 11	KWPII	48 113	20 888	AGC MAVG - calculated
6/27/2014 0 59	0 18	AWE	0 760	18 700	AGC MAVG - calculated
6/27/2014 1 18	0 01	AWE	0 019	17 100	AGC MAVG - calculated
6/27/2014 1 24	0 01	AWE	0 016	18 100	AGC MAVG - calculated
6/27/2014 1 28	0 01	AWE	0 008	19 000	AGC MAVG - calculated
6/27/2014 1 32	0 01	AWE	0 012	19 800	AGC MAVG - calculated
6/27/2014 1 40	0 01	AWE	0 009	19 700	AGC MAVG - calculated
6/27/2014 1 47	0 01	AWE	0 000	19 400	AGC MAVG - calculated
6/27/2014 1 51	0 01	AWE	0 008	18 500	AGC MAVG - calculated
6/27/2014 1 55	0 01	AWE	0 006	19 200	AGC MAVG - calculated
6/27/2014 2 02	0 21	AWE	0 583	20 200	AGC MAVG - calculated
6/27/2014 2 24	0 04	AWE	0 021	20 200	AGC MAVG - calculated
6/27/2014 2 36	0 33	KWPII	8 727	19 744	AGC MAVG - calculated
6/27/2014 2 41	0 02	AWE	0 028	18 900	AGC MAVG - calculated
6/27/2014 2 45	0 14	AWE	0 750	19 900	AGC MAVG - calculated
6/27/2014 3 11	1 31	KWPII	10 803	20 403	AGC MAVG - calculated
6/27/2014 4 44	0 01	KWPII	0 008	17 316	AGC MAVG - calculated
6/27/2014 4 46	0 01	KWPII	0 014	17 813	AGC MAVG - calculated
6/27/2014 4 48	0 03	KWPII	0 032	18 430	AGC MAVG - calculated
6/27/2014 5 15	0 01	KWPII	0 001	18 895	AGC MAVG - calculated
6/27/2014 5 27	0 01	KWPII	0 012	17 022	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 5 34	0 05	KWPII	0 352	19 155	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 5 40	0 03	KWPII	0 388	19 853	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 5 47	0 02	KWPII	0 182	19 331	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 5 52	0 02	KWPII	0 087	17 964	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 6 35	0 01	KWPII	0 014	19 039	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 8 02	0 01	KWPII	0 020	9 288	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 8 19	0 02	KWPII	0 041	13 465	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 11 02	0 04	KWPII	0 188	7 420	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 11 07	0 03	KWPII	0 219	9 831	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 15 47	0 02	KWPII	0 017	10 200	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 15 54	0 05	KWPII	0 029	12 926	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 17 15	0 05	KWPII	0 130	8 919	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 17 30	0 01	KWPII	0 013	15 166	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 17 32	0 04	KWPII	0 146	14 561	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 17 37	0 59	KWPII	4 423	19 669	AGC MAVG - calculated and Good Engineering and Operating Practices
6/27/2014 20 11	0 01	KWPII	0 020	12 420	AGC MAVG - calculated
6/27/2014 20 29	0 01	KWPII	0 004	10 204	AGC MAVG - calculated
6/27/2014 21 09	0 02	KWPII	0 034	13 156	AGC MAVG - calculated
6/27/2014 21 15	0 07	KWPII	0 483	18 459	AGC MAVG - calculated
6/27/2014 21 28	0 01	KWPII	0 006	17 197	AGC MAVG - calculated
6/27/2014 21 30	0 01	KWPII	0 005	17 757	AGC MAVG - calculated
6/27/2014 22 02	0 01	KWPII	0 026	15 921	AGC MAVG - calculated
6/27/2014 22 05	0 01	KWPII	0 013	15 583	AGC MAVG - calculated
6/27/2014 22 07	0 04	KWPII	0 115	18 681	AGC MAVG - calculated
6/28/2014 3 47	0 02	KWP	0 001	0 064	AGC MAVG - calculated
6/28/2014 10 06	0 01	KWP	0 001	0 032	AGC MAVG - calculated and Good Engineering and Operating Practices
6/28/2014 10 11	0 01	KWP	0 001	0 060	AGC MAVG - calculated and Good Engineering and Operating Practices
6/28/2014 13 16	0 01	KWP	0 001	0 060	AGC MAVG - calculated and Good Engineering and Operating Practices
6/28/2014 22 39	0 01	KWP	0 001	0 048	AGC MAVG - calculated
6/29/2014 4 39	0 05	KWPII	0 097	16 976	AGC MAVG - calculated
6/29/2014 4 48	0 05	KWPII	0 083	11 642	AGC MAVG - calculated
6/29/2014 4 58	0 07	KWPII	0 040	13 340	AGC MAVG - calculated
6/29/2014 5 04	0 03	KWPII	0 073	14 350	AGC MAVG - calculated
6/29/2014 5 08	0 05	KWPII	0 239	14 540	AGC MAVG - calculated
6/29/2014 5 16	0 01	KWPII	0 045	14 710	AGC MAVG - calculated
6/29/2014 5 19	0 04	KWPII	0 206	15 004	AGC MAVG - calculated
6/29/2014 5 27	0 02	KWPII	0 089	15 661	AGC MAVG - calculated
6/29/2014 5 30	0 02	KWPII	0 113	15 404	AGC MAVG - calculated
6/29/2014 5 34	0 03	KWPII	0 173	15 196	AGC MAVG - calculated
6/29/2014 5 38	0 03	KWPII	0 289	16 027	AGC MAVG - calculated
6/29/2014 5 48	0 03	KWPII	0 101	16 972	AGC MAVG - calculated
6/29/2014 8 21	0 01	AWE	0 013	3 800	AGC MAVG - calculated
6/29/2014 13 27	0 01	KWPII	0 002	3 099	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 13 43	0 01	KWP	0 000	0 016	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 14 16	0 01	KWP	0 001	0 080	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 14 18	0 01	KWP	0 001	0 048	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 16 42	0 01	KWP	0 000	0 016	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 16 44	0 01	KWP	0 000	0 016	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 17 27	0 02	KWP	0 001	0 032	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 18 42	0 01	KWPII	0 006	16 329	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 18 44	0 01	KWPII	0 002	17 810	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 18 47	0 01	KWPII	0 005	18 073	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 18 49	0 02	KWPII	0 022	18 149	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 18 54	0 04	KWPII	0 042	19 073	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 19 49	0 04	KWPII	0 026	18 276	AGC MAVG - calculated and Good Engineering and Operating Practices
6/29/2014 20 13	0 01	KWPII	0 002	19 192	AGC MAVG - calculated
6/29/2014 20 18	0 01	KWPII	0 005	19 209	AGC MAVG - calculated
6/29/2014 23 06	0 01	AWE	0 002	0 100	AGC MAVG - calculated
6/29/2014 23 23	0 01	AWE	0 002	0 100	AGC MAVG - calculated
6/30/2014 0 02	0 01	AWE	0 003	0 200	AGC MAVG - calculated
6/30/2014 0 06	0 01	KWPII	0 002	19 117	AGC MAVG - calculated
6/30/2014 0 07	0 01	AWE	0 003	0 200	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report June 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
6/30/2014 0:33	0:01	KWPII	0.000	18.458	AGC MAVG - calculated
6/30/2014 0:35	0:01	KWPII	0.005	18.561	AGC MAVG - calculated
6/30/2014 1:31	0:01	KWPII	0.004	18.357	AGC MAVG - calculated
6/30/2014 1:35	0:03	KWPII	0.015	18.830	AGC MAVG - calculated
6/30/2014 1:40	0:07	KWPII	0.098	17.617	AGC MAVG - calculated
6/30/2014 3:00	0:01	AWE	0.003	0.200	AGC MAVG - calculated
6/30/2014 3:06	0:01	KWPII	0.014	18.632	AGC MAVG - calculated
6/30/2014 3:41	0:01	KWPII	0.015	17.753	AGC MAVG - calculated
6/30/2014 3:45	0:01	KWPII	0.028	17.879	AGC MAVG - calculated
6/30/2014 3:50	0:01	KWPII	0.010	18.873	AGC MAVG - calculated
6/30/2014 5:46	0:01	AWE	0.002	0.100	AGC MAVG - calculated
6/30/2014 5:48	0:01	AWE	0.002	0.100	AGC MAVG - calculated
6/30/2014 21:37	0:01	KWPII	0.007	0.391	AGC MAVG - calculated
6/30/2014 23:28	0:02	KWPII	0.024	17.995	AGC MAVG - calculated
6/30/2014 23:32	0:01	KWPII	0.019	17.519	AGC MAVG - calculated
6/30/2014 23:34	0:01	KWPII	0.013	17.451	AGC MAVG - calculated

Notes

- Curtailment for Kaheawa Wind Power ("KWP") Makila Hydroelectric ("MH") AAAAA Rent-A-Space Maui LTD ("5A"), Boreal 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 Boreal 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

Lana'i Curtailment Report June 2014

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

Maui Electric

Lanai Curtailment Report June 2014

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
6/4/2014 16 21	6/4/2014 16 21	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 9 43	6/5/2014 9 43	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 9 47	6/5/2014 9 49	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 9 55	6/5/2014 9 57	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 10 03	6/5/2014 10 07	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 10 09	6/5/2014 10 23	0 15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 10 32	6/5/2014 10 32	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 10 38	6/5/2014 10 38	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 10 38	6/5/2014 10 40	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 11 46	6/5/2014 11:46	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 11 48	6/5/2014 11:50	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 12 18	6/5/2014 12 18	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 12 20	6/5/2014 12 21	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 12.28	6/5/2014 12 34	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 12 54	6/5/2014 12 55	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/5/2014 14.15	6/5/2014 14 29	0 15	LSR	Data is not available	Data is not available	Testing
6/5/2014 14 39	6/5/2014 14 41	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 8 49	6/6/2014 8 49	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 9 12	6/6/2014 9 27	0 16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 9 31	6/6/2014 9 54	0 24	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 10 12	6/6/2014 10:14	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 10 16	6/6/2014 10 30	0:15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 10 33	6/6/2014 10 33	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 10 36	6/6/2014 10:36	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 10 39	6/6/2014 10:40	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 11 38	6/6/2014 11.42	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 11 53	6/6/2014 11:55	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 12 00	6/6/2014 12 02	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 12 08	6/6/2014 12 08	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 12:10	6/6/2014 12 12	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 12 20	6/6/2014 12 28	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 12 38	6/6/2014 12 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 13 51	6/6/2014 13 53	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 14 07	6/6/2014 14 07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 14 10	6/6/2014 14 10	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/6/2014 16 24	6/6/2014 16 24	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 6 34	6/7/2014 6 34	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 6 36	6/7/2014 7 57	1 22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 7 59	6/7/2014 8 08	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 8 12	6/7/2014 8 16	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 8 21	6/7/2014 8 34	0.14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 8 37	6/7/2014 8 38	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 8 46	6/7/2014 8 47	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 8 54	6/7/2014 8:58	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9 00	6/7/2014 9 16	0 17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9 22	6/7/2014 9 22	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9.24	6/7/2014 9 26	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9:28	6/7/2014 9 38	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9:42	6/7/2014 9 48	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 9.51	6/7/2014 9 55	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 10 03	6/7/2014 10 04	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 10 07	6/7/2014 10 07	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 10 14	6/7/2014 11:38	1:26	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 11 42	6/7/2014 11.48	0:07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 11.50	6/7/2014 12 42	0:53	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 12 55	6/7/2014 12 55	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 13 04	6/7/2014 13 35	0.32	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 14 48	6/7/2014 14 49	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 14 51	6/7/2014 14 53	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 15 23	6/7/2014 15 35	0:13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 15 38	6/7/2014 15 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 15 42	6/7/2014 15 43	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/7/2014 15 48	6/7/2014 15 52	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 6 35	6/8/2014 6 35	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 04	6/8/2014 8 13	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 22	6/8/2014 8 53	0 32	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 55	6/8/2014 9 12	0 18	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 14	6/8/2014 9 18	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 18	6/8/2014 9 18	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 26	6/8/2014 9 26	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9.28	6/8/2014 9 29	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 32	6/8/2014 10 00	0 29	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 10 10	6/8/2014 10 17	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 10 19	6/8/2014 10.19	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 10 43	6/8/2014 10 43	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 10 47	6/8/2014 10 58	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 00	6/8/2014 11 02	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 13	6/8/2014 11 22	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 26	6/8/2014 11:26	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 30	6/8/2014 11:44	0 15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 46	6/8/2014 11:46	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 11 48	6/8/2014 12.04	0 17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 12 10	6/8/2014 12 21	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 12 37	6/8/2014 12.52	0 16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 12 57	6/8/2014 13.01	0.05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 13 06	6/8/2014 13 09	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 13:17	6/8/2014 13 21	0.05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lanai Curtailment Report June 2014

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
6/8/2014 13:34	6/8/2014 13 51	0 18	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 14:05	6/8/2014 14 07	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 14:10	6/8/2014 14.14	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 14.22	6/8/2014 14 27	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 14:53	6/8/2014 14 53	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 15 01	6/8/2014 15 03	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 15 05	6/8/2014 15 08	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 15:19	6/8/2014 15 21	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 15 53	6/8/2014 15 54	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 15 59	6/8/2014 16 02	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 16:13	6/8/2014 16 16	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 16 20	6/8/2014 16 27	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 18 07	6/8/2014 18 13	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 7 42	6/8/2014 7 42	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 41	6/8/2014 8 44	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 46	6/8/2014 8 50	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 8 52	6/8/2014 8 57	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 02	6/8/2014 9 02	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 10	6/8/2014 9 12	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/8/2014 9 47	6/8/2014 9 49	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 12.39	6/9/2014 12 40	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 13:11	6/9/2014 13 14	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 13 56	6/9/2014 13:59	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 14:16	6/9/2014 14 23	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 14 28	6/9/2014 14 40	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 14:47	6/9/2014 14 51	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 15 26	6/9/2014 15.28	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 15 32	6/9/2014 15:38	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 15 44	6/9/2014 15:59	0 16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 16 03	6/9/2014 16:08	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 16 27	6/9/2014 16 27	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/9/2014 16 35	6/9/2014 16:38	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 9 36	6/10/2014 9 40	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 10 02	6/10/2014 10.03	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 11 48	6/10/2014 12 00	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 12.37	6/10/2014 13:21	0 45	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 13:31	6/10/2014 13.32	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 13 40	6/10/2014 13 44	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 14 53	6/10/2014 15:05	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15:13	6/10/2014 15 20	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15 27	6/10/2014 15 30	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15 33	6/10/2014 15 41	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15 47	6/10/2014 15 49	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15 51	6/10/2014 15 55	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 15 58	6/10/2014 16 04	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 16:14	6/10/2014 16 15	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 16:17	6/10/2014 16 18	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 16:20	6/10/2014 16 28	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/10/2014 17 07	6/10/2014 17 08	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 8 49	6/11/2014 9 10	0 22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 9:14	6/11/2014 9 18	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 9 34	6/11/2014 10:34	1 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 10 40	6/11/2014 10 41	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 10 48	6/11/2014 10.58	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 11:31	6/11/2014 11:31	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 12 00	6/11/2014 12 01	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 12.03	6/11/2014 12:03	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 12 05	6/11/2014 12:14	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 12.30	6/11/2014 12:37	0:08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 14 42	6/11/2014 14 42	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 14 51	6/11/2014 14:52	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 14:56	6/11/2014 15 08	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 15 23	6/11/2014 15:24	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 15 46	6/11/2014 15 57	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 16 58	6/11/2014 16 58	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/11/2014 17:19	6/11/2014 17.19	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 7 07	6/12/2014 7 20	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 11:11	6/12/2014 11 12	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 11 17	6/12/2014 11 18	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 11 41	6/12/2014 12.14	0 34	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 12 16	6/12/2014 12:16	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 12 20	6/12/2014 13:14	0 55	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 13 22	6/12/2014 13 22	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 13 37	6/12/2014 13 38	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 13 45	6/12/2014 14 48	1.04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 16 14	6/12/2014 16.14	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 16 16	6/12/2014 16:17	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/12/2014 16 20	6/12/2014 16.24	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 7 44	6/13/2014 8:18	0 35	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 8 44	6/13/2014 8 44	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 8 59	6/13/2014 9:54	0 56	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 9.57	6/13/2014 9:59	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 10 04	6/13/2014 10 11	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 10.15	6/13/2014 10 26	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 10 28	6/13/2014 10 32	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 10 36	6/13/2014 10 36	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/13/2014 10 40	6/13/2014 10 46	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lana'i Curtailment Report June 2014

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

Maui Electric

Lanai Curtailment Report June 2014

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

Maui Electric

Lana'i Curtailment Report June 2014

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

Maui Electric

Lanai Curtailment Report June 2014

Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
6/26/2014 10:03	6/26/2014 10:04	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 10:08	6/26/2014 10:49	0.42	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 10:51	6/26/2014 10:51	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 10:53	6/26/2014 10:56	0.04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 11:05	6/26/2014 11:09	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 11:11	6/26/2014 11:11	0.01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 11:15	6/26/2014 11:23	0:09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 11:26	6/26/2014 11:26	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 11:30	6/26/2014 11:43	0.14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 12:36	6/26/2014 12:36	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 12:50	6/26/2014 12:50	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 13:54	6/26/2014 13:54	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 15:10	6/26/2014 15:43	0:34	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/26/2014 15:46	6/26/2014 15:47	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 7:14	6/27/2014 7:44	0:31	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 9:06	6/27/2014 9:08	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 9:53	6/27/2014 9:53	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 10:47	6/27/2014 10:59	0:13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 11:02	6/27/2014 11:22	0:21	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 13:16	6/27/2014 13:28	0:13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/27/2014 14:10	6/27/2014 14:15	0:06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 6:26	6/28/2014 8:40	2:15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 9:22	6/28/2014 9:28	0:07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 9:35	6/28/2014 9:43	0:09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 9:55	6/28/2014 10:02	0:08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 10:07	6/28/2014 10:17	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 10:19	6/28/2014 10:33	0:15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 10:37	6/28/2014 10:47	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 10:51	6/28/2014 10:52	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 10:54	6/28/2014 11:15	0:22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 11:17	6/28/2014 11:38	0:22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 11:40	6/28/2014 12:09	0:30	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 12:11	6/28/2014 12:35	0:25	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 12:38	6/28/2014 12:41	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 12:44	6/28/2014 12:46	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 12:50	6/28/2014 13:00	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 13:09	6/28/2014 13:31	0:23	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 13:34	6/28/2014 14:00	0:27	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 14:03	6/28/2014 14:03	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/28/2014 14:08	6/28/2014 14:16	0:09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 6:40	6/29/2014 6:40	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 6:42	6/29/2014 8:28	1:47	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 8:30	6/29/2014 8:33	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 9:15	6/29/2014 9:15	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 9:17	6/29/2014 9:17	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 9:22	6/29/2014 9:25	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 9:45	6/29/2014 10:02	0:18	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 10:10	6/29/2014 10:10	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 10:38	6/29/2014 10:39	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 10:51	6/29/2014 10:52	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 10:54	6/29/2014 10:54	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 10:59	6/29/2014 11:03	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 11:05	6/29/2014 11:07	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 11:09	6/29/2014 11:10	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 11:28	6/29/2014 11:30	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 11:45	6/29/2014 11:48	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 12:13	6/29/2014 12:13	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 12:17	6/29/2014 12:19	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 12:43	6/29/2014 12:44	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 12:54	6/29/2014 13:10	0:17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 13:40	6/29/2014 13:41	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 13:43	6/29/2014 13:43	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 13:47	6/29/2014 13:48	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 13:57	6/29/2014 13:59	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 14:04	6/29/2014 14:15	0.12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 14:16	6/29/2014 14:28	0.11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 14:35	6/29/2014 14:38	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 14:59	6/29/2014 15:03	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:12	6/29/2014 15:15	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:19	6/29/2014 15:19	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:22	6/29/2014 15:22	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:24	6/29/2014 15:25	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:36	6/29/2014 15:37	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/29/2014 15:39	6/29/2014 15:39	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 6:41	6/30/2014 8:40	2:00	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 9:09	6/30/2014 9:28	0:18	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 9:28	6/30/2014 9:53	0:26	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 9:55	6/30/2014 9:55	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 9:57	6/30/2014 9:58	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 10:00	6/30/2014 10:00	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 11:08	6/30/2014 11:08	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 13:10	6/30/2014 13:13	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 14:28	6/30/2014 14:29	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 14:31	6/30/2014 14:32	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 15:50	6/30/2014 15:51	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 15:59	6/30/2014 16:02	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
6/30/2014 16:04	6/30/2014 17:01	0.58	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lana'i Curtailment Report June 2014

Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
6/30/2014 17:04	6/30/2014 17:04	0:01	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 380 kW/minute, Maui Electric would conditionally allow LSR to operate at the allowed capacity of 1.2 MW while the Maui Electric-Lanai Diesel Operator was in the control room

LSR possible output data is not available. Therefore, Maui Electric assumes LSR is curtailed if the LSR curtailment set point is less than 1,200 kW and LSR's output is within 50 kW of the curtailment set point

Hawai'i Electric Light Company Curtailment Report June 2014

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Reason for Curtailment
06/06/14 22:34	19.8 MW	06/07/14 07:32	18.0 MW	High wind curtailment at Tawhiri's request.
06/21/14 07:46	3.1 MW	06/21/14 08:10	3.4 MW	Tawhiri curtailed - switching at 8600 line
06/21/14 10:12	3.8 MW	06/21/14 10:23	3.4 MW	Tawhiri curtailed - switching at 8600 line