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

May 30, 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 April 2014 on (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

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

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

Sincerely,

Daniel G. Brown
Manager
Regulatory Non-Rate Proceedings

Enclosure

cc: Service List

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

SERVICE LIST
(Docket No. 2011-0206)

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
KAT BRADY
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.
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

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

KEVIN T. FOX
KEYES & FOX, 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)

HUGH D. BAKER, JR.
HDBAKER & COMPANY HAWAII LLC
78-7000 Kewalo Street
Kailua-Kona, HI 96740

1 Copy
Electronically Transmitted

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 April 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 April 30, 2014):

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

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

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

The tabulation of under frequency load shed events is provided in Attachment 4. Hawaiian Electric did not have any under frequency load shed events for the month of April.

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 is 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.

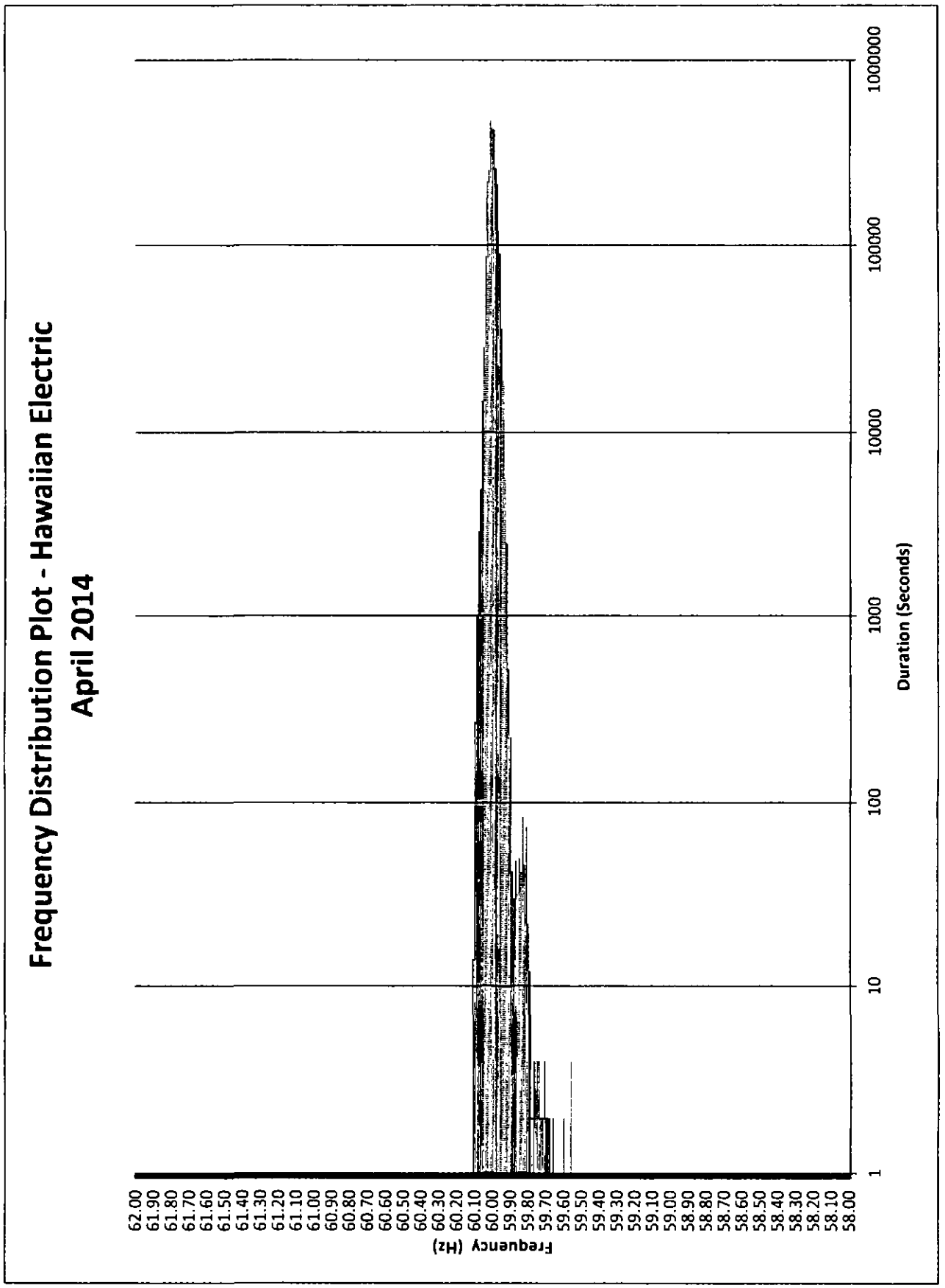
The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending April 30, 2014):

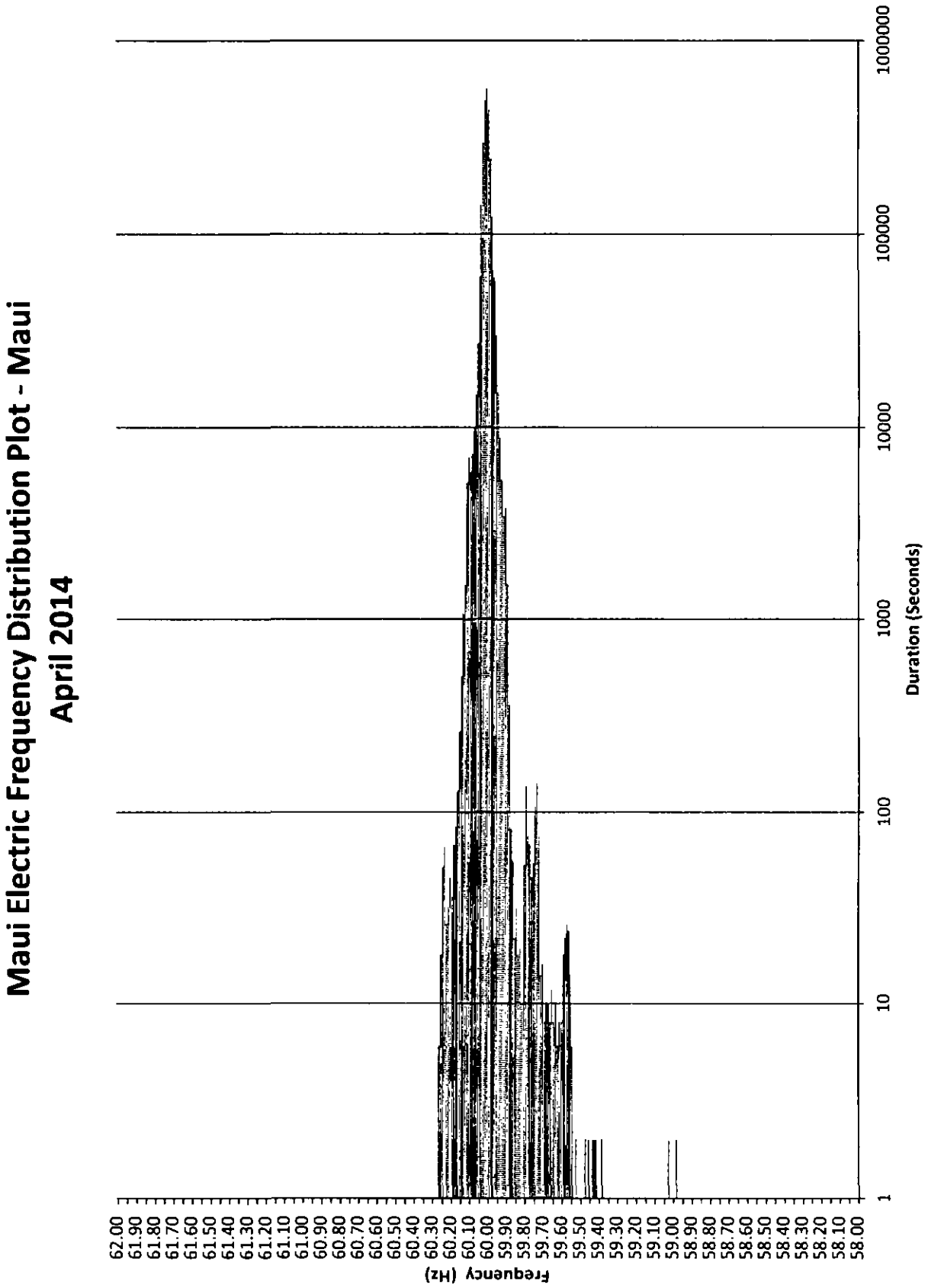
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

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
April 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
April 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
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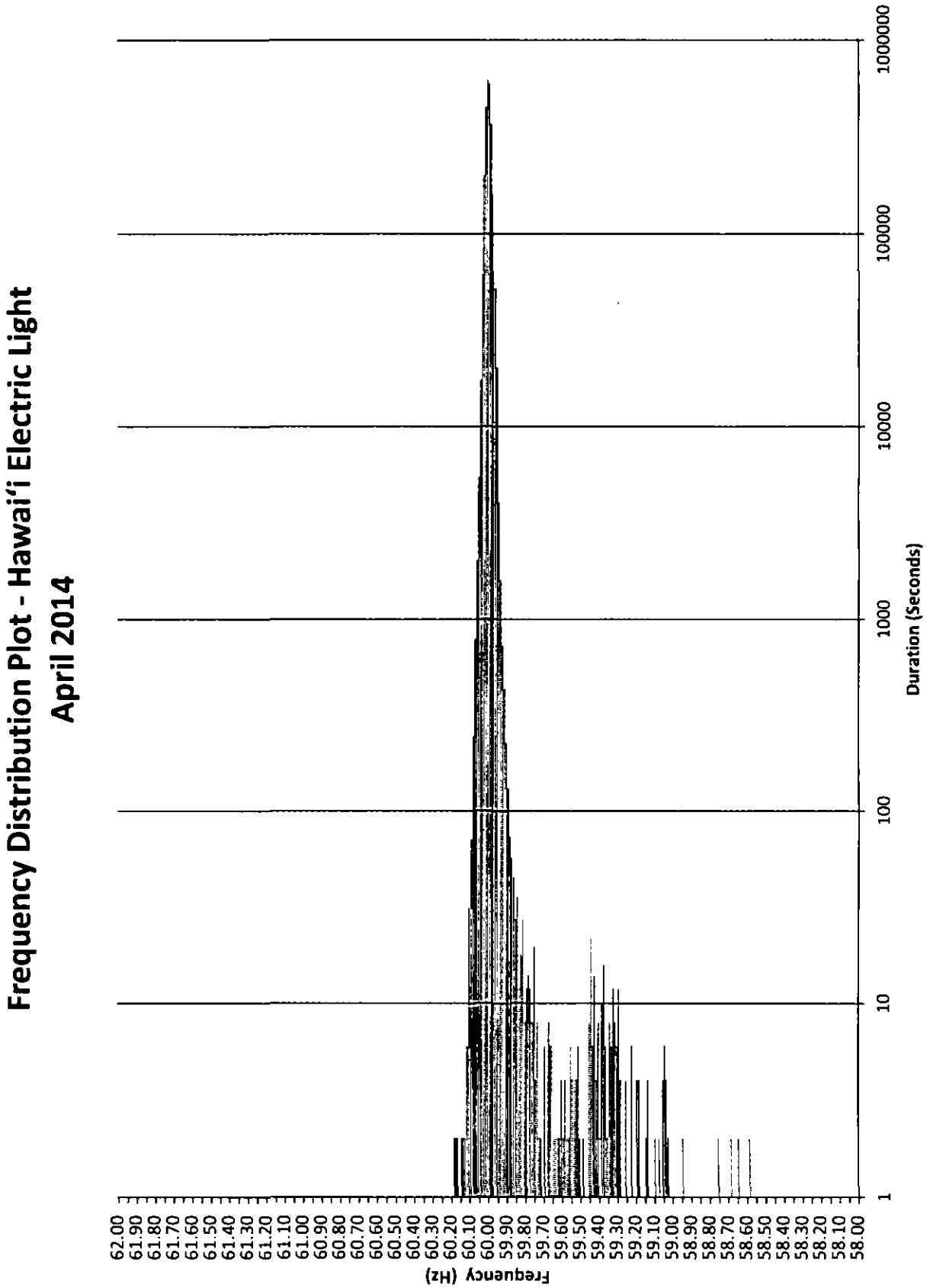
59.50
59.40
59.30
59.20
59.10
59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
Duration (Seconds)
1
10
100
1000
10000
100000
1000000


Frequency Distribution Plot - Hawai'i Electric Light
April 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
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59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
1
10
100
1000
10000
100000
1000000
Duration (Seconds)

Hawaiian Electric Frequency Excursion Statistics April 2014		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	3104	2510
Maximum Duration (sec)	658	508
Maximum Deviation (Hz)	59.561	60.113
Total Duration of Excursions (sec)	40990	34266

Maui Electric Frequency Excursion Statistics April 2014		
	<59.95 Hz	>60.05 Hz
Number of Excursions	4900	4001
Maximum Duration (sec)	822	1474
Maximum Deviation (Hz)	58.98	60.259
Total Duration of Excursions (sec)	51994	63168

Hawai'i Electric Light Frequency Excursion Statistics April 2014		
	<59.95 Hz	>60.05 Hz
Number of Excursions	2726	961
Maximum Duration (sec)	260	78
Maximum Deviation (Hz)	58.582	60.184
Total Duration of Excursions (sec)	17736	5214

HAWAIIAN ELECTRIC COMPANY, INC.
CONTINGENCY RESERVE ACTIVATION EVENTS
APRIL 2014

Event #	Date & Time	Frequency (Hz)			Spinning Reserve Shortfall (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	04/01/14 10:51	59.960	59 560	N/A	-23.00	0 15	Kalaeloa CT1 tripped offline while generating ~100 MW. W10 called online for spinning reserve

MAUI ELECTRIC COMPANY, LIMITED
UNDERFREQUENCY LOADSHEDDING EVENTS
April 2014

				Frequency (Hz)					
Event #	IR #	Island	Date & Time	Prior to Event	Nadir	Levels UFLS Occurred	Load Shed (MW)	Duration (HH:MM)	Description
1	273	Lana'i	4/1/2014 11:46 AM	60.00	58.00	58.70	0.20	1:07	A frequency depression of 58.00 Hz occurred on Lana'i due to tree trimmers dropping a tree limb on the lines.

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

Event #	Date	Time	Frequency (Hz) Prior to Event	Frequency (Hz) Nadir	Frequency (Hz) Level UFLS Occurred	Load Shed (MW)	Duration (HH:MM)	Description
1	4/12/2014	15:00 hrs	60.00	58.39	58.80	21.15	00:26	Keahole CT-5/ST-7 was tripped offline while generating 23MW when a problem occurred during the startup of Keahole CT-4 unit that required emergency stop.
2	4/21/2014	20:05 hrs	60 00	58.77	58.80	3.21	00:01	7300 line fault, tree branch blown in by high winds, only partial UFLS block lost, under 1 min.
3	4/29/2014	12:46 hrs	60.00	58.68	58.80	14.03	00:09	CT-5 tripped offline due to an exhaust leak causing high temperature in CT enclosure

HAWAIIAN ELECTRIC COMPANY, INC.
DEMAND RESPONSE EVENTS
APRIL 2014

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	04/01/14 10:51	59.960	59.560	59.70	N/A	0:07	Kalaeloa CT1 tripped offline while generating ~100 MW. RDLC/CIDLC activated.

Hawaiian Electric Curtailment Report April 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
04/01/14 07:29	0.0	16.00	04/01/14 14:32	0	*	KWF	Relay upgrades on the Kahipa-Kahuku 46kV line
04/06/14 12:18	0.0	5.10	04/06/14 12:33	0	*	KWF	Pole replacement on Kooiau-Kahuku 46kV line
04/06/14 12:19	0.0	4.10	04/06/14 12:34	0	*	Makai	Pole replacement on Kooiau-Kahuku 46kV line
04/06/14 20:35	0.0	3.70	04/06/14 21:06	0	*	Makai	Pole replacement on Kooiau-Kahuku 46kV line
04/06/14 20:36	0.0	17.00	04/06/14 21:04	0	*	KWF	Pole replacement on Kooiau-Kahuku 46kV line
04/19/14 10:27	0.0	18.20	04/19/14 11:18	0	*	KWF	Pole replacement on Wahiawa-Waialua 1 46kV line
04/19/14 10:28	0.0	50.00	04/19/14 17:05	0	*	Mauka	Pole replacement on Wahiawa-Waialua 1 46kV line
04/19/14 10:29	0.0	15.00	04/19/14 11:18	0	*	Makai	Pole replacement on Wahiawa-Waialua 1 46kV line
04/19/14 16:28	0.0	18.70	04/19/14 17:08	0	*	Makai	Pole replacement on Wahiawa-Waialua 1 46kV line
04/19/14 16:28	0.0	5.50	04/19/14 17:04	0	*	KWF	Pole replacement on Wahiawa-Waialua 1 46kV line
04/29/14 06:32	0.0	0.00	04/29/14 07:35	0	*	KREP	Switch upgrades at Ewa Beach substation.
04/29/14 18:15	0.0	0.00	04/29/14 18:52	0	*	KREP	Switch upgrades at Ewa Beach substation.
04/30/14 06:47	0.0	0.00	04/30/14 07:20	0	*	KREP	Switch upgrades at Ewa Beach substation.
04/30/14 20:30	0.0	0.00	04/30/14 20:56	0	*	KREP	Switch upgrades at Ewa Beach substation.

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 April 2014

Start Date and Time	Duration (h)	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/1/2014 0:00	0:01	AWE	0.047	20.000	AGC MAVG - calculated
4/1/2014 0:00	6:03	KWPII	98.334	17.714	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/1/2014 0:02	5:55	AWE	84.383	21.000	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/1/2014 2:00	0:03	KWP	0.081	25.872	AGC MAVG - calculated
4/1/2014 2:04	0:09	KWP	0.181	26.358	AGC MAVG - calculated
4/1/2014 2:11	2:05	MH	Data is not available	Data is not available	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/1/2014 2:14	0:01	KWP	0.019	25.210	AGC MAVG - calculated
4/1/2014 2:19	0:01	KWP	0.021	25.328	AGC MAVG - calculated
4/1/2014 2:21	0:02	KWP	0.029	25.584	AGC MAVG - calculated
4/1/2014 2:24	1:25	KWP	3.938	26.928	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/1/2014 3:52	0:01	KWP	0.025	26.816	AGC MAVG - calculated
4/1/2014 3:58	0:02	KWP	0.024	26.676	AGC MAVG - calculated
4/1/2014 4:01	0:07	KWP	0.133	26.876	AGC MAVG - calculated
4/1/2014 4:09	0:04	KWP	0.079	26.896	AGC MAVG - calculated
4/1/2014 6:06	0:28	KWPII	3.492	17.704	AGC MAVG - calculated
4/1/2014 6:36	0:01	KWPII	0.001	17.672	AGC MAVG - calculated
4/1/2014 6:42	0:02	KWPII	0.010	17.645	AGC MAVG - calculated
4/1/2014 7:31	0:04	KWPII	0.079	17.665	AGC MAVG - calculated
4/1/2014 7:37	0:03	KWPII	0.037	17.590	AGC MAVG - calculated
4/1/2014 7:41	0:07	KWPII	0.167	17.635	AGC MAVG - calculated
4/1/2014 7:49	0:07	KWPII	0.195	17.621	AGC MAVG - calculated
4/1/2014 9:37	0:07	KWPII	0.139	17.393	AGC MAVG - calculated and Good Engineering and Operating Practices
4/1/2014 9:45	0:01	KWPII	0.005	16.912	AGC MAVG - calculated and Good Engineering and Operating Practices
4/1/2014 9:47	1:42	KWPII	11.384	19.118	AGC MAVG - calculated and Good Engineering and Operating Practices
4/1/2014 11:33	0:01	KWPII	0.007	19.036	AGC MAVG - calculated
4/1/2014 11:35	0:01	KWPII	0.004	19.120	AGC MAVG - calculated
4/1/2014 12:13	0:03	KWPII	0.041	18.978	AGC MAVG - calculated
4/1/2014 12:22	0:02	KWPII	0.018	18.790	AGC MAVG - calculated
4/1/2014 12:27	0:02	KWPII	0.018	18.790	AGC MAVG - calculated
4/1/2014 12:31	0:01	KWPII	0.004	18.027	AGC MAVG - calculated
4/1/2014 12:33	0:03	KWPII	0.019	19.940	AGC MAVG - calculated
4/1/2014 12:37	0:06	KWPII	0.208	20.210	AGC MAVG - calculated and Testing
4/1/2014 12:45	0:01	KWPII	0.043	20.427	AGC MAVG - calculated and Testing
4/1/2014 12:48	0:02	KWPII	0.051	20.461	AGC MAVG - calculated and Testing
4/1/2014 12:51	0:22	KWPII	0.745	20.869	AGC MAVG - calculated and Testing
4/1/2014 13:15	0:02	KWPII	0.054	20.300	AGC MAVG - calculated and Testing
4/1/2014 13:19	0:06	KWPII	0.218	20.225	AGC MAVG - calculated and Testing
4/1/2014 13:45	0:01	KWPII	0.001	19.419	AGC MAVG - calculated
4/1/2014 16:09	0:01	KWPII	0.006	19.820	AGC MAVG - calculated
4/1/2014 16:18	0:01	KWPII	0.002	19.781	AGC MAVG - calculated
4/1/2014 22:02	6:49	KWPII	121.750	20.708	AGC MAVG - calculated
4/2/2014 0:12	0:01	AWE	0.000	18.700	AGC MAVG - calculated
4/2/2014 0:15	4:22	AWE	32.337	20.000	AGC MAVG - calculated
4/2/2014 4:38	0:04	AWE	0.034	16.600	AGC MAVG - calculated
4/2/2014 4:53	1:10	KWPII	13.020	19.211	AGC MAVG - calculated
4/2/2014 8:01	0:02	KWPII	0.013	20.708	AGC MAVG - calculated
4/2/2014 8:05	0:02	KWPII	0.018	20.708	AGC MAVG - calculated
4/2/2014 8:14	0:01	KWPII	0.006	20.708	AGC MAVG - calculated
4/2/2014 8:16	0:02	KWPII	0.005	20.708	AGC MAVG - calculated
4/2/2014 8:19	1:33	KWPII	6.180	20.708	AGC MAVG - calculated
4/2/2014 9:54	0:02	KWPII	0.005	20.703	AGC MAVG - calculated
4/2/2014 10:14	0:07	KWPII	0.218	20.708	AGC MAVG - calculated
4/2/2014 10:53	1:18	KWPII	2.995	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/2/2014 12:13	0:01	KWPII	0.000	20.707	AGC MAVG - calculated
4/2/2014 12:19	0:22	KWPII	0.296	20.708	AGC MAVG - calculated
4/2/2014 12:42	0:01	KWPII	0.015	20.708	AGC MAVG - calculated
4/2/2014 12:44	0:01	KWPII	0.000	20.705	AGC MAVG - calculated
4/2/2014 12:46	0:01	KWPII	0.000	20.677	AGC MAVG - calculated
4/2/2014 12:48	0:02	KWPII	0.020	20.669	AGC MAVG - calculated
4/2/2014 13:00	0:08	KWPII	0.014	20.708	AGC MAVG - calculated
4/2/2014 13:14	0:01	KWPII	0.003	20.708	AGC MAVG - calculated
4/2/2014 13:17	0:03	KWPII	0.035	20.708	AGC MAVG - calculated
4/2/2014 13:24	0:01	KWPII	0.002	20.708	AGC MAVG - calculated
4/2/2014 13:27	0:01	KWPII	0.003	20.706	AGC MAVG - calculated
4/2/2014 13:34	0:01	KWPII	0.000	20.705	AGC MAVG - calculated
4/2/2014 14:19	0:03	KWPII	0.020	20.593	AGC MAVG - calculated
4/2/2014 14:23	0:01	KWPII	0.012	20.696	AGC MAVG - calculated
4/2/2014 22:30	7:30	KWPII	149.215	20.708	AGC MAVG - calculated and Operating Conditions on Company's System
4/2/2014 23:20	6:33	AWE	102.647	21.000	AGC MAVG - calculated
4/3/2014 0:48	3:40	MH	Data is not available	Data is not available	AGC MAVG - calculated
4/3/2014 0:48	0:11	KWP	0.205	26.992	AGC MAVG - calculated
4/3/2014 1:02	0:06	KWP	0.100	25.486	AGC MAVG - calculated
4/3/2014 1:09	0:01	KWP	0.001	23.936	AGC MAVG - calculated
4/3/2014 1:12	0:09	KWP	0.187	25.486	AGC MAVG - calculated
4/3/2014 1:23	0:01	KWP	0.001	22.496	AGC MAVG - calculated
4/3/2014 1:28	0:36	KWP	1.870	26.992	AGC MAVG - calculated
4/3/2014 2:07	0:28	KWP	0.820	26.992	AGC MAVG - calculated
4/3/2014 2:36	0:01	KWP	0.000	24.000	AGC MAVG - calculated
4/3/2014 2:45	1:31	KWP	4.282	26.992	AGC MAVG - calculated
4/3/2014 4:17	0:02	KWP	0.008	26.992	AGC MAVG - calculated
4/3/2014 4:21	0:01	KWP	0.002	26.912	AGC MAVG - calculated
4/3/2014 4:26	0:01	KWP	0.009	26.992	AGC MAVG - calculated
4/3/2014 6:01	1:39	KWPII	7.994	20.708	AGC MAVG - calculated
4/3/2014 7:42	7:40	KWPII	75.082	20.708	AGC MAVG - calculated
4/3/2014 22:24	7:35	KWPII	133.333	20.708	AGC MAVG - calculated
4/3/2014 23:38	0:01	AWE	0.000	20.000	AGC MAVG - calculated
4/3/2014 23:40	0:03	AWE	0.018	20.000	AGC MAVG - calculated
4/3/2014 23:44	4:45	AWE	33.004	20.000	AGC MAVG - calculated
4/4/2014 4:30	0:33	AWE	2.768	19.900	AGC MAVG - calculated
4/4/2014 5:08	0:01	AWE	0.008	19.100	AGC MAVG - calculated
4/4/2014 5:12	0:01	AWE	0.000	20.200	AGC MAVG - calculated
4/4/2014 5:29	0:01	AWE	0.000	20.200	AGC MAVG - calculated
4/4/2014 6:05	0:02	KWPII	0.073	19.127	AGC MAVG - calculated
4/4/2014 6:08	0:08	KWPII	0.315	19.438	AGC MAVG - calculated
4/4/2014 13:25	0:16	AWE	3.267	21.000	AGC MAVG - calculated and Operating Conditions on Company's System
4/4/2014 13:32	0:06	KWPII	0.013	0.204	AGC MAVG - calculated and Operating Conditions on Company's System
4/4/2014 13:39	0:02	KWPII	0.007	0.208	AGC MAVG - calculated and Operating Conditions on Company's System
4/4/2014 16:00	0:01	KWP	0.001	0.032	AGC MAVG - calculated
4/4/2014 20:27	0:01	KWP	0.000	0.016	AGC MAVG - calculated and Testing
4/5/2014 0:08	0:01	KWP	0.000	0.016	AGC MAVG - calculated
4/5/2014 0:10	0:01	KWP	0.001	0.048	AGC MAVG - calculated
4/5/2014 0:13	0:02	KWP	0.001	0.016	AGC MAVG - calculated
4/5/2014 10:43	0:01	KWP	0.000	0.016	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/5/2014 12:26	0:01	KWP	0.002	0.128	AGC MAVG - calculated
4/5/2014 15:39	0:01	AWE	0.002	0.100	AGC MAVG - calculated
4/7/2014 0:27	0:02	KWPII	0.022	12.941	AGC MAVG - calculated
4/7/2014 1:38	0:03	KWPII	0.063	18.221	AGC MAVG - calculated
4/7/2014 1:54	0:01	KWPII	0.000	16.715	AGC MAVG - calculated
4/7/2014 2:43	0:02	KWPII	0.018	18.023	AGC MAVG - calculated
4/7/2014 3:09	0:01	KWPII	0.013	16.141	AGC MAVG - calculated
4/7/2014 3:13	0:02	KWPII	0.041	17.159	AGC MAVG - calculated
4/7/2014 3:17	0:05	KWPII	0.136	17.511	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/7/2014 3:31	0:01	KWPII	0.004	17,127	AGC MAVG - calculated
4/7/2014 3:36	0:28	KWPII	1,727	19,535	AGC MAVG - calculated
4/7/2014 4:08	0:29	KWPII	1,285	19,883	AGC MAVG - calculated
4/7/2014 4:38	0:01	KWPII	0.011	19,682	AGC MAVG - calculated
4/7/2014 4:43	0:05	KWPII	0.068	19,784	AGC MAVG - calculated
4/7/2014 4:49	0:28	KWPII	2,319	20,639	AGC MAVG - entered - Maintaining Regulating Reserves
4/7/2014 5:18	0:01	KWPII	0.023	20,496	AGC MAVG calculated
4/7/2014 5:20	0:01	KWPII	0.003	20,530	AGC MAVG - calculated
4/7/2014 12:01	0:01	KWPII	0.006	20,708	AGC MAVG - calculated and Testing
4/7/2014 12:07	0:01	KWPII	0.007	20,708	AGC MAVG - calculated and Testing
4/7/2014 12:09	0:15	KWPII	0.726	20,708	AGC MAVG - calculated and Testing
4/7/2014 12:28	1:16	KWPII	3,521	20,708	AGC MAVG - calculated and Testing
4/7/2014 13:46	0:01	KWPII	0.003	20,708	AGC MAVG - calculated and Testing
4/7/2014 13:48	0:20	KWPII	0.709	20,708	AGC MAVG - calculated and Testing
4/7/2014 13:57	0:01	AWE	0.002	0.100	AGC MAVG - calculated and Testing
4/7/2014 14:10	0:01	KWPII	0.004	20,708	AGC MAVG - calculated
4/7/2014 22:21	7:00	KWPII	131.094	20,708	AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/7/2014 23:41	3:08	AWE	3.867	1,900	AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/8/2014 0:06	0:02	KWP	0.014	28,480	AGC MAVG - entered - Maintaining Regulating Reserves
4/8/2014 0:18	4:49	KWP	45.170	28,480	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/8/2014 0:36	4:35	M/H	Data is not available	Data is not available	AGC MAVG - calculated
4/8/2014 2:55	1:01	AWE	0.658	1,100	AGC MAVG - calculated
4/8/2014 3:57	0:58	AWE	0.480	0,700	AGC MAVG - calculated
4/8/2014 4:56	0:19	AWE	0.166	0,800	AGC MAVG - calculated
4/8/2014 5:22	0:49	KWPII	9.445	20,708	AGC MAVG - calculated
4/8/2014 6:12	0:03	KWPII	0.035	20,708	AGC MAVG - calculated
4/8/2014 10:00	0:05	KWPII	0.033	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 10:29	0:01	KWPII	0.000	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/8/2014 10:32	0:05	KWPII	0.042	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/8/2014 10:38	2:13	KWPII	26.418	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/8/2014 11:28	0:01	AWE	0.002	7,100	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:06	0:01	AWE	0.009	7,200	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:21	0:01	AWE	0.001	9,800	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:26	0:01	AWE	0.001	9,800	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:29	0:01	AWE	0.001	7,000	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:31	0:01	AWE	0.000	7,400	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/8/2014 12:33	0:02	AWE	0.021	7,900	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/8/2014 12:52	0:35	KWPII	11.518	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:56	0:01	AWE	0.006	4,500	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 12:58	0:11	AWE	0.144	6,300	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 13:16	0:06	AWE	0.120	6,500	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 13:29	1:34	KWPII	31.255	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 13:31	0:02	AWE	0.018	9,200	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 13:34	0:01	AWE	0.003	8,700	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/8/2014 13:36	0:02	AWE	0.007	10,800	AGC MAVG - calculated and Testing
4/8/2014 13:39	0:07	AWE	0.310	15,900	AGC MAVG - calculated and Testing
4/8/2014 13:46	0:01	AWE	0.017	13,200	AGC MAVG - calculated
4/8/2014 13:51	0:04	AWE	0.147	16,200	AGC MAVG - calculated
4/8/2014 13:56	0:18	AWE	1.071	17,400	AGC MAVG - calculated
4/8/2014 14:15	0:02	AWE	0.029	12,800	AGC MAVG - calculated
4/8/2014 14:24	0:01	AWE	0.001	11,500	AGC MAVG - calculated
4/8/2014 14:29	0:09	AWE	0.273	16,300	AGC MAVG - calculated
4/8/2014 14:43	0:01	AWE	0.000	14,200	AGC MAVG - calculated
4/8/2014 14:47	0:02	AWE	0.055	17,200	AGC MAVG - calculated
4/8/2014 14:50	0:05	AWE	0.080	17,400	AGC MAVG - calculated
4/8/2014 15:05	1:28	KWPII	14.475	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 16:35	0:03	KWPII	0.006	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 16:39	0:08	KWPII	0.211	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 16:50	0:03	KWPII	0.040	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 16:57	0:03	KWPII	0.039	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 17:11	0:09	KWPII	0.331	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 19:21	0:01	AWE	0.002	0,100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 19:29	0:01	AWE	0.003	0,200	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 20:08	0:01	AWE	0.002	0,100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 20:53	0:02	AWE	0.005	0,200	AGC MAVG - calculated and Good Engineering and Operating Practices
4/8/2014 22:12	7:15	KWPII	135.287	20,706	AGC MAVG - calculated, Good Engineering and Operating Practices AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/8/2014 23:25	0:41	AWE	0.528	2,600	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/8/2014 23:40	5:37	KWP	79.260	30,000	AGC MAVG - entered - Maintaining Regulating Reserves Good Engineering and Operating Practices and AGC MAVG - calculated
4/9/2014 0:29	0:01	AWE	0.002	0,100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 0:33	0:08	AWE	0.018	0,300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 0:42	0:50	AWE	0.518	1,300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 1:38	0:59	AWE	2.130	7,600	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 2:39	1:40	AWE	1.010	1,800	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 4:20	0:01	AWE	0.002	0,100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 5:16	0:01	AWE	0.002	0,100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 5:18	0:07	KWP	0.242	29,538	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 5:28	1:41	KWPII	15.594	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 5:36	0:01	KWP	0.002	29,344	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 5:36	0:02	AWE	0.007	0,300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/9/2014 7:11	0:09	KWPII	0.466	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/9/2014 7:21	5:01	KWPII	83.721	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 8:44	0:01	AWE	0.002	12,700	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 8:46	0:01	AWE	0.009	14,500	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 8:48	0:01	AWE	0.049	16,200	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 8:53	0:02	AWE	0.035	15,700	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 8:58	0:08	AWE	0.430	16,500	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 9:08	0:04	AWE	0.163	19,400	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 9:16	0:01	AWE	0.012	14,300	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 9:26	0:01	AWE	0.009	12,400	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 9:28	0:55	AWE	5.044	20,100	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 10:24	0:01	AWE	0.017	13,800	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 10:28	0:10	AWE	0.516	16,200	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 10:37	1:31	AWE	9.675	19,400	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 12:09	0:01	AWE	0.037	19,100	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
4/9/2014 12:11	0:03	AWE	0.064	19,100	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/9/2014 12:16	0:01	AWE	0.007	18,500	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/9/2014 12:23	2:34	KWPII	29.066	20,121	AGC MAVG - calculated, Good Engineering and Operating Practices and Testing
4/9/2014 14:58	0:04	KWPII	0.256	20,330	AGC MAVG - calculated
4/9/2014 15:04	0:06	KWPII	0.264	20,126	AGC MAVG - calculated
4/9/2014 15:12	0:04	KWPII	0.124	19,573	AGC MAVG - calculated
4/9/2014 15:17	0:05	KWPII	0.209	19,964	AGC MAVG - calculated
4/9/2014 15:27	0:01	KWPII	0.006	18,655	AGC MAVG - calculated
4/9/2014 15:29	0:03	KWPII	0.024	18,875	AGC MAVG - calculated
4/9/2014 15:33	0:04	KWPII	0.078	19,182	AGC MAVG - calculated
4/9/2014 15:39	0:01	KWPII	0.026	18,312	AGC MAVG - calculated
4/9/2014 15:41	0:01	KWPII	0.012	18,971	AGC MAVG - calculated
4/9/2014 15:54	0:01	KWPII	0.012	19,401	AGC MAVG - calculated
4/9/2014 17:34	0:01	KWPII	0.009	20,708	AGC MAVG - calculated

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Start Date and Time	Dumpload	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/9/2014 17:37	0.01	KWPII	0.011	20.708	AGC MAVG - calculated
4/9/2014 19:18	0.01	AWE	0.002	0.100	AGC MAVG - calculated
4/9/2014 19:40	0.01	AWE	0.003	0.200	AGC MAVG - calculated
4/9/2014 21:33	0.01	AWE	0.005	0.300	AGC MAVG - calculated
4/9/2014 22:39	7.47	KWPII	129.635	20.708	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, and Operating Conditions on Company's System
4/10/2014 0:07	0.01	AWE	0.010	0.900	AGC MAVG - calculated
4/10/2014 0:10	0.01	KWP	0.002	26.320	AGC MAVG - calculated
4/10/2014 0:10	0.01	AWE	0.018	1.100	AGC MAVG - calculated
4/10/2014 0:13	0.04	AWE	0.048	0.900	AGC MAVG - calculated
4/10/2014 0:13	8.18	MH	Data is not available	Data is not available	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated and Operating Conditions on Company's System
4/10/2014 0:15	0.01	KWP	0.006	26.240	AGC MAVG - calculated
4/10/2014 0:18	0.01	KWP	0.005	25.744	AGC MAVG - entered - Maintaining Regulating Reserves
4/10/2014 0:18	0.36	AWE	0.893	1.600	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/10/2014 0:20	5.04	KWP	27.082	26.912	AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated and Operating Conditions on Company's System
4/10/2014 0:59	0.01	AWE	0.002	0.100	AGC MAVG - calculated and Operating Conditions on Company's System
4/10/2014 5:25	0.15	AWE	1.767	9.400	AGC MAVG - calculated and Operating Conditions on Company's System
4/10/2014 6:27	0.04	KWPII	0.134	17.985	AGC MAVG - calculated and Operating Conditions on Company's System
4/10/2014 6:32	0.05	KWPII	0.179	18.804	AGC MAVG - calculated
4/10/2014 7:04	0.01	KWPII	0.014	18.594	AGC MAVG - calculated
4/10/2014 7:06	0.04	KWPII	0.073	17.748	AGC MAVG - calculated
4/10/2014 7:13	0.01	KWPII	0.004	17.881	AGC MAVG - calculated
4/10/2014 7:16	0.01	KWPII	0.022	18.854	AGC MAVG - calculated
4/10/2014 7:21	0.01	KWPII	0.008	17.841	AGC MAVG - calculated
4/10/2014 7:24	0.03	KWPII	0.093	17.981	AGC MAVG - calculated
4/10/2014 7:35	0.05	KWPII	0.118	18.477	AGC MAVG - calculated
4/10/2014 23:30	0.01	AWE	0.011	7.000	AGC MAVG - calculated, Good Engineering and Operating Practices, and Operating Conditions on Company's System
4/10/2014 23:32	0.01	AWE	0.005	6.400	AGC MAVG - calculated, Good Engineering and Operating Practices, and Operating Conditions on Company's System
4/10/2014 23:35	0.02	AWE	0.025	4.400	AGC MAVG - calculated, Good Engineering and Operating Practices, and Operating Conditions on Company's System
4/10/2014 23:38	0.01	AWE	0.000	3.600	AGC MAVG - calculated, Good Engineering and Operating Practices, and Operating Conditions on Company's System
4/10/2014 23:52	0.01	AWE	0.001	5.600	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/10/2014 23:58	0.05	AWE	0.112	4.300	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/11/2014 0:08	0.01	AWE	0.000	6.600	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/11/2014 0:11	0.01	AWE	0.003	5.300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:17	0.01	AWE	0.001	5.800	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:19	0.01	AWE	0.013	5.100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:21	0.01	AWE	0.003	3.300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:25	1.34	AWE	10.156	8.400	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and Good Engineering and Operating Practices
4/11/2014 0:29	0.01	KWP	0.000	18.832	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/11/2014 0:32	7.51	MH	Data is not available	Data is not available	AGC MAVG - entered - Maintaining Regulating Reserves, Good Engineering and Operating Practices, and AGC MAVG - calculated
4/11/2014 0:37	0.05	KWP	0.087	18.896	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/11/2014 0:43	0.01	KWP	0.011	15.280	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/11/2014 0:46	0.02	KWP	0.043	16.112	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:49	1.50	KWP	4.160	16.896	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 0:56	3.17	KWPII	21.778	12.489	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 2:41	0.24	KWP	0.869	12.704	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 3:07	0.02	KWP	0.013	10.358	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 3:16	0.01	KWP	0.012	10.416	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 4:16	0.34	KWPII	1.271	8.942	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 4:51	0.09	KWPII	0.094	9.231	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 5:10	0.02	KWPII	0.006	10.210	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 5:29	0.01	KWPII	0.003	11.168	AGC MAVG - calculated and Good Engineering and Operating Practices
4/11/2014 14:24	0.01	KWP	0.000	0.016	AGC MAVG - calculated
4/12/2014 0:03	5.38	KWPII	74.682	20.550	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/12/2014 5:29	0.07	AWE	0.009	3.300	AGC MAVG - calculated
4/12/2014 5:42	0.29	KWPII	4.278	20.621	AGC MAVG - calculated
4/12/2014 6:12	1.15	KWPII	6.729	20.701	AGC MAVG - calculated and Testing
4/12/2014 6:21	0.01	AWE	0.002	0.100	AGC MAVG - calculated and Testing
4/12/2014 7:28	0.02	KWPII	0.011	20.850	AGC MAVG - calculated and Testing
4/12/2014 7:31	0.01	AWE	0.002	0.100	AGC MAVG - calculated and Testing
4/12/2014 7:52	0.03	KWPII	0.040	20.595	AGC MAVG - calculated and Testing
4/12/2014 8:08	0.01	KWPII	0.000	20.156	AGC MAVG - calculated and Testing
4/12/2014 8:08	0.01	AWE	0.002	0.100	AGC MAVG - calculated and Testing
4/12/2014 8:15	0.09	KWPII	0.125	20.561	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 8:25	0.14	KWPII	0.427	20.835	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 8:40	0.42	KWPII	1.960	20.413	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 9:24	3.46	KWPII	43.238	20.890	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 11:36	0.01	AWE	0.003	0.200	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 12:18	0.01	AWE	0.003	0.200	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 12:50	0.01	BS	Data is not available	Data is not available	AGC MAVG - calculated
4/12/2014 12:50	0.01	SA	Data is not available	Data is not available	AGC MAVG - calculated
4/12/2014 12:54	0.01	AWE	0.002	0.100	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 13:06	0.01	KWP	0.008	26.048	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 13:11	0.23	KWPII	7.289	20.665	AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
4/12/2014 13:37	0.05	KWPII	0.749	20.708	AGC MAVG - calculated, Testing, and AGC MAVG - entered
4/12/2014 13:43	0.35	KWPII	6.660	20.708	AGC MAVG - entered, AGC MAVG - calculated, and Testing
4/12/2014 14:19	0.03	KWPII	0.015	20.708	AGC MAVG - calculated
4/12/2014 14:23	0.25	KWPII	0.537	20.708	AGC MAVG - calculated, AGC MAVG - entered, and AGC MAVG - entered - Excess Energy
4/12/2014 14:50	1.13	KWPII	4.051	20.708	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/12/2014 22:42	0.09	KWPII	0.134	20.708	AGC MAVG - calculated
4/12/2014 22:52	0.06	KWPII	0.114	20.708	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/12/2014 22:58	7.06	KWPII	143.176	20.708	AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/12/2014 23:17	6.47	AWE	107.994	21.000	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/13/2014 0:35	4.31	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/13/2014 0:54	3.54	KWP	27.920	28.496	AGC MAVG - entered - Excess Energy
4/13/2014 4:49	0.10	KWP	0.458	28.496	AGC MAVG - entered - Excess Energy
4/13/2014 6:05	0.05	AWE	1.025	19.700	AGC MAVG - calculated
4/13/2014 6:05	1.01	KWPII	20.213	20.708	AGC MAVG - calculated
4/13/2014 6:11	0.16	AWE	2.310	18.400	AGC MAVG - calculated
4/13/2014 6:28	0.03	AWE	0.479	19.100	AGC MAVG - calculated
4/13/2014 6:32	0.34	AWE	3.013	19.900	AGC MAVG - calculated
4/13/2014 7:07	0.03	KWPII	1.024	20.708	AGC MAVG - calculated
4/13/2014 7:07	0.03	AWE	0.025	13.100	AGC MAVG - calculated
4/13/2014 7:11	0.18	KWPII	5.418	20.708	AGC MAVG - calculated
4/13/2014 7:14	0.02	AWE	0.053	14.900	AGC MAVG - calculated
4/13/2014 7:17	0.01	AWE	0.022	14.500	AGC MAVG - calculated
4/13/2014 7:19	0.02	AWE	0.009	14.400	AGC MAVG - calculated
4/13/2014 7:24	0.03	AWE	0.060	17.700	AGC MAVG - calculated
4/13/2014 7:28	0.01	AWE	0.044	19.100	AGC MAVG - calculated
4/13/2014 7:28	0.07	KWPII	2.223	20.708	AGC MAVG - calculated
4/13/2014 7:36	0.01	KWPII	0.006	2.744	AGC MAVG - calculated and Good Engineering and Operating Practices

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4/13/2014 7:38	5.55	KWPII	115.931	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 7:40	0.25	AWE	1.641	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 8:07	0.01	AWE	0.006	20.800	AGC MAVG - calculated
4/13/2014 10:01	0.01	AWE	0.014	21.000	AGC MAVG - calculated
4/13/2014 10:07	3.26	AWE	21.172	21.000	AGC MAVG - calculated
4/13/2014 13:34	0.16	KWPII	4.434	20.708	AGC MAVG - calculated
4/13/2014 13:37	0.03	AWE	0.021	21.000	AGC MAVG - calculated
4/13/2014 13:41	0.01	AWE	0.031	21.000	AGC MAVG - calculated
4/13/2014 13:44	0.02	AWE	0.039	21.000	AGC MAVG - calculated
4/13/2014 13:55	0.07	KWPII	1.591	20.708	AGC MAVG - calculated
4/13/2014 14:11	0.41	KWPII	7.504	20.708	AGC MAVG - calculated
4/13/2014 14:56	0.18	KWPII	2.309	17.714	AGC MAVG - calculated
4/13/2014 15:14	0.17	KWPII	4.101	17.714	AGC MAVG - calculated
4/13/2014 15:16	0.02	AWE	0.026	21.000	AGC MAVG - calculated
4/13/2014 21:13	0.01	KWPII	0.040	14.720	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 21:16	0.04	KWPII	0.160	14.720	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 21:27	0.15	KWPII	0.507	14.720	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 21:48	4.38	KWPII	71.446	20.708	AGC MAVG - calculated, Good Engineering and Operating Practices, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and AGC MAVG - entered
4/13/2014 22:26	0.01	AWE	0.016	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 22:33	0.02	AWE	0.020	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 22:37	0.32	AWE	3.841	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/13/2014 23:10	0.13	AWE	0.245	21.000	AGC MAVG - calculated
4/13/2014 23:26	0.01	AWE	0.001	21.000	AGC MAVG - calculated
4/13/2014 23:28	0.08	AWE	0.186	21.000	AGC MAVG - calculated
4/13/2014 23:37	2.37	AWE	21.704	21.000	AGC MAVG - calculated
4/14/2014 1:17	0.01	KWP	0.003	19.472	AGC MAVG - entered - Excess Energy
4/14/2014 1:19	0.06	KWP	0.133	20.992	AGC MAVG - entered - Excess Energy
4/14/2014 1:20	0.13	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/14/2014 2:15	0.02	AWE	0.030	5.800	AGC MAVG - entered - Excess Energy
4/14/2014 2:20	0.06	AWE	0.189	6.900	AGC MAVG - calculated
4/14/2014 2:24	0.01	KWP	0.001	18.496	AGC MAVG - entered
4/14/2014 2:27	0.05	AWE	0.173	7.200	AGC MAVG - calculated
4/14/2014 2:27	0.12	KWPII	4.080	20.708	AGC MAVG - calculated
4/14/2014 2:34	0.05	AWE	0.056	1.400	AGC MAVG - calculated
4/14/2014 2:39	0.09	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/14/2014 2:40	0.03	KWP	0.124	19.488	AGC MAVG - entered - Excess Energy
4/14/2014 2:40	0.29	AWE	0.884	7.600	AGC MAVG - entered - Excess Energy
4/14/2014 2:40	1.33	KWPII	28.001	20.708	AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and AGC MAVG - entered - Excess Energy
4/14/2014 2:45	0.01	KWP	0.005	18.480	AGC MAVG - entered - Excess Energy
4/14/2014 3:13	0.03	AWE	0.005	0.100	AGC MAVG - entered - Excess Energy
4/14/2014 3:36	0.02	AWE	0.022	1.900	AGC MAVG - calculated
4/14/2014 3:42	0.10	AWE	0.145	6.200	AGC MAVG - calculated
4/14/2014 3:54	0.01	AWE	0.012	1.500	AGC MAVG - calculated
4/14/2014 4:04	0.09	AWE	0.349	6.200	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/14/2014 4:09	0.02	KWP	0.005	18.000	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/14/2014 4:14	0.03	AWE	0.272	7.800	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/14/2014 4:14	0.13	KWPII	3.709	19.211	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/14/2014 4:23	0.04	AWE	0.734	14.800	AGC MAVG - calculated
4/14/2014 4:28	0.03	KWPII	0.930	19.211	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/14/2014 4:28	0.03	AWE	0.587	13.000	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/14/2014 4:30	0.01	KWP	0.026	22.480	AGC MAVG - entered - Excess Energy
4/14/2014 4:33	0.52	KWPII	17.233	20.708	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/14/2014 4:34	0.42	AWE	8.483	17.900	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/14/2014 5:17	0.04	AWE	0.048	7.000	AGC MAVG - calculated
4/14/2014 5:27	0.47	KWPII	8.244	20.708	AGC MAVG - calculated
4/14/2014 6:36	6.56	KWPII	114.253	20.708	AGC MAVG - calculated
4/14/2014 10:10	0.01	AWE	0.000	20.500	AGC MAVG - calculated
4/14/2014 10:15	0.01	AWE	0.000	19.200	AGC MAVG - calculated
4/14/2014 10:17	0.01	AWE	0.011	19.700	AGC MAVG - calculated
4/14/2014 10:19	0.01	AWE	0.011	19.300	AGC MAVG - calculated
4/14/2014 10:23	0.03	AWE	0.050	19.800	AGC MAVG - calculated
4/14/2014 10:29	0.07	AWE	0.098	18.600	AGC MAVG - calculated
4/14/2014 10:34	0.03	AWE	0.172	20.000	AGC MAVG - calculated
4/14/2014 10:39	0.03	AWE	0.092	19.300	AGC MAVG - calculated
4/14/2014 10:44	0.09	AWE	0.455	20.000	AGC MAVG - calculated
4/14/2014 10:54	1.41	AWE	8.932	20.000	AGC MAVG - calculated
4/14/2014 12:36	0.03	AWE	0.192	20.000	AGC MAVG - calculated
4/14/2014 12:41	0.03	AWE	0.177	20.000	AGC MAVG - calculated
4/14/2014 12:45	0.04	AWE	0.132	18.000	AGC MAVG - calculated
4/14/2014 12:50	0.38	AWE	2.374	20.000	AGC MAVG - calculated
4/14/2014 13:34	0.49	KWPII	5.829	20.708	AGC MAVG - calculated
4/14/2014 14:25	0.02	KWPII	0.034	20.708	AGC MAVG - calculated
4/14/2014 14:33	0.10	KWPII	0.478	20.708	AGC MAVG - calculated
4/14/2014 14:45	0.01	KWPII	0.046	20.708	AGC MAVG - calculated
4/14/2014 14:51	0.01	KWPII	0.021	20.708	AGC MAVG - calculated
4/14/2014 14:54	0.01	KWPII	0.017	20.708	AGC MAVG - calculated
4/14/2014 14:57	0.06	KWPII	0.181	20.708	AGC MAVG - calculated
4/14/2014 15:07	0.14	KWPII	0.430	20.708	AGC MAVG - calculated
4/14/2014 15:22	0.01	KWPII	0.005	20.708	AGC MAVG - calculated
4/14/2014 15:24	0.01	KWPII	0.002	20.708	AGC MAVG - calculated
4/14/2014 16:12	0.01	KWPII	0.009	20.708	AGC MAVG - calculated
4/14/2014 23:28	0.02	KWPII	0.001	20.708	AGC MAVG - calculated
4/14/2014 23:32	3.24	KWPII	47.797	20.708	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/15/2014 2:25	0.14	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/15/2014 2:29	0.03	KWP	0.044	20.992	AGC MAVG - entered - Excess Energy
4/15/2014 2:58	1.41	KWPII	15.014	20.708	AGC MAVG - calculated
4/15/2014 4:15	0.09	AWE	0.199	9.800	AGC MAVG - calculated
4/15/2014 4:25	0.01	AWE	0.009	10.500	AGC MAVG - calculated
4/15/2014 4:29	0.01	AWE	0.000	12.200	AGC MAVG - calculated
4/15/2014 4:34	0.01	AWE	0.004	8.800	AGC MAVG - calculated
4/15/2014 4:41	1.13	KWPII	7.411	20.708	AGC MAVG - calculated
4/15/2014 7:54	0.12	KWPII	0.412	20.708	AGC MAVG - calculated
4/15/2014 8:07	0.14	KWPII	0.415	20.708	AGC MAVG - calculated
4/15/2014 8:26	5.36	KWPII	58.784	20.708	AGC MAVG - calculated, Good Engineering and Operating Practices and AGC MAVG - entered - Excess Energy
4/15/2014 14:03	0.03	AWE	0.334	17.100	AGC MAVG - calculated
4/15/2014 14:05	0.01	KWPII	0.002	20.708	AGC MAVG - calculated
4/15/2014 14:10	1.23	KWPII	14.051	20.708	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/15/2014 15:40	0.02	KWPII	0.049	20.707	AGC MAVG - calculated
4/15/2014 15:43	0.27	KWPII	0.855	20.708	AGC MAVG - calculated
4/15/2014 16:11	0.05	KWPII	0.044	20.708	AGC MAVG - calculated
4/15/2014 16:17	0.01	KWPII	0.009	20.708	AGC MAVG - calculated
4/15/2014 22:06	0.07	KWPII	0.092	20.708	AGC MAVG - calculated
4/15/2014 22:14	0.10	KWPII	0.408	20.708	AGC MAVG - calculated
4/15/2014 22:25	7.16	KWPII	138.289	20.708	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/15/2014 23:47	0.02	AWE	0.017	9.400	AGC MAVG - calculated
4/15/2014 23:50	0.01	AWE	0.005	9.000	AGC MAVG - calculated
4/15/2014 23:53	5.00	AWE	31.569	19.000	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/16/2014 0:29	4.28	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/16/2014 0:33	0.15	KWP	0.237	28.368	AGC MAVG - entered - Excess Energy
4/16/2014 0:56	0.04	KWP	0.167	27.408	AGC MAVG - entered - Excess Energy

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/16/2014 1:01	2:55	KWP	16 310	28 496	AGC MAVG - entered - Excess Energy
4/16/2014 3:57	0:20	KWP	0 540	28 480	AGC MAVG - entered - Excess Energy
4/16/2014 4:26	0:01	KWP	0 003	28 176	AGC MAVG - entered - Excess Energy
4/16/2014 4:28	0:01	KWP	0 002	28 112	AGC MAVG - entered - Excess Energy
4/16/2014 4:31	0:01	KWP	0 001	28 096	AGC MAVG - entered - Excess Energy
4/16/2014 4:34	0:01	KWP	0 007	28 432	AGC MAVG - entered - Excess Energy
4/16/2014 4:54	0:43	AWE	2 678	12 500	AGC MAVG - calculated
4/16/2014 5:43	3:43	KWPII	35 819	20 708	AGC MAVG - calculated
4/16/2014 5:50	0:08	AWE	0 139	18 500	AGC MAVG - calculated
4/16/2014 9:27	0:03	KWPII	0 046	20 708	AGC MAVG - calculated
4/16/2014 9:31	0:07	KWPII	0 170	20 708	AGC MAVG - calculated
4/16/2014 9:39	0:02	KWPII	0 012	20 705	AGC MAVG - calculated
4/16/2014 9:43	0:04	KWPII	0 050	20 706	AGC MAVG - calculated
4/16/2014 9:48	0:01	KWPII	0 005	20 708	AGC MAVG - calculated
4/16/2014 9:51	6:11	KWPII	88 451	20 708	AGC MAVG - calculated and Testing
4/16/2014 12:29	0:06	AWE	0 139	20 700	AGC MAVG - calculated and Testing
4/16/2014 16:10	0:01	KWPII	0 008	20 502	AGC MAVG - calculated
4/16/2014 17:04	0:01	KWP	0 005	28 064	AGC MAVG - calculated and Testing
4/16/2014 17:06	0:02	KWP	0 045	28 064	AGC MAVG - calculated and Testing
4/16/2014 22:36	7:43	KWPII	145 241	20 708	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and Testing
4/16/2014 23:52	0:05	AWE	0 049	10 100	AGC MAVG - calculated
4/17/2014 0:02	0:05	AWE	0 130	9 100	AGC MAVG - calculated
4/17/2014 0:08	5:59	AWE	89 876	21 000	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and Testing
4/17/2014 0:56	3:45	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/17/2014 1:05	0:06	KWP	0 021	28 448	AGC MAVG - entered - Excess Energy
4/17/2014 1:13	0:02	KWP	0 009	28 448	AGC MAVG - entered - Excess Energy
4/17/2014 1:16	0:01	KWP	0 002	28 096	AGC MAVG - entered - Excess Energy
4/17/2014 1:18	1:02	KWP	5 886	28 480	AGC MAVG - entered - Excess Energy
4/17/2014 2:27	2:09	KWP	11 551	28 496	AGC MAVG - entered - Excess Energy
4/17/2014 4:37	0:01	KWP	0 005	28 304	AGC MAVG - entered - Excess Energy
4/17/2014 6:21	2:18	KWPII	23 869	20 708	AGC MAVG - calculated and Testing
4/17/2014 8:43	0:27	KWPII	1 760	20 708	AGC MAVG - calculated and Testing
4/17/2014 9:11	4:08	KWPII	58 138	20 708	AGC MAVG - calculated and Testing
4/17/2014 13:20	1:02	KWPII	10 828	20 458	AGC MAVG - calculated and Testing
4/17/2014 14:22	0:04	KWPII	0 073	20 089	AGC MAVG - calculated and Testing
4/17/2014 14:42	0:06	KWPII	0 387	17 447	AGC MAVG - calculated and Testing
4/17/2014 14:52	0:30	KWPII	1 275	18 680	AGC MAVG - calculated and Testing
4/17/2014 17:31	0:04	KWPII	0 041	8 302	AGC MAVG - calculated and Testing
4/17/2014 17:36	0:02	KWPII	0 021	8 872	AGC MAVG - calculated and Testing
4/17/2014 17:39	0:01	KWPII	0 020	8 623	AGC MAVG - calculated and Testing
4/17/2014 17:41	0:41	KWPII	4 790	18 725	AGC MAVG - calculated and Testing
4/17/2014 18:23	0:01	KWPII	0 024	12 871	AGC MAVG - calculated and Testing
4/17/2014 18:31	0:01	KWPII	0 023	12 405	AGC MAVG - calculated
4/17/2014 20:35	0:19	KWPII	1 238	17 374	AGC MAVG - calculated and Testing
4/17/2014 20:55	0:20	KWPII	1 157	17 638	AGC MAVG - calculated and Testing
4/17/2014 21:40	0:06	KWPII	0 130	20 149	AGC MAVG - calculated and Testing
4/17/2014 21:47	1:48	KWPII	29 375	20 640	AGC MAVG - calculated and Testing
4/17/2014 22:10	0:10	AWE	0 279	16 200	AGC MAVG - calculated and Testing
4/17/2014 22:22	0:09	AWE	0 314	14 700	AGC MAVG - calculated
4/17/2014 22:32	0:09	AWE	0 209	12 100	AGC MAVG - calculated
4/17/2014 22:48	0:01	AWE	0 001	11 700	AGC MAVG - calculated
4/17/2014 22:51	0:01	AWE	0 015	11 300	AGC MAVG - calculated
4/17/2014 22:53	0:03	AWE	0 072	13 500	AGC MAVG - calculated and Testing
4/17/2014 22:57	0:03	AWE	0 047	12 000	AGC MAVG - calculated and Testing
4/17/2014 23:02	0:02	AWE	0 017	10 600	AGC MAVG - calculated and Testing
4/17/2014 23:05	0:02	AWE	0 056	11 800	AGC MAVG - calculated and Testing
4/17/2014 23:08	0:01	AWE	0 019	12 300	AGC MAVG - calculated and Testing
4/17/2014 23:15	0:01	AWE	0 037	16 100	AGC MAVG - calculated and Testing
4/17/2014 23:18	0:06	AWE	0 155	18 800	AGC MAVG - calculated and Testing
4/17/2014 23:25	0:02	AWE	0 074	15 500	AGC MAVG - calculated and Testing
4/17/2014 23:28	0:01	AWE	0 004	14 900	AGC MAVG - calculated and Testing
4/17/2014 23:35	5:15	KWPII	103 998	20 708	AGC MAVG - calculated and Testing
4/17/2014 23:55	0:01	AWE	0 017	12 700	AGC MAVG - calculated and Testing
4/18/2014 0:04	0:02	AWE	0 091	17 100	AGC MAVG - calculated and Testing
4/18/2014 0:08	0:01	AWE	0 024	13 100	AGC MAVG - calculated and Testing
4/18/2014 0:18	0:01	AWE	0 000	11 300	AGC MAVG - calculated and Testing
4/18/2014 0:28	0:02	AWE	0 015	11 700	AGC MAVG - calculated and Testing
4/18/2014 0:33	0:03	AWE	0 058	14 100	AGC MAVG - calculated
4/18/2014 0:38	1:05	AWE	7 070	16 800	AGC MAVG - calculated
4/18/2014 1:44	3:06	AWE	40 199	21 000	AGC MAVG - calculated
4/18/2014 1:45	0:01	KWP	0 013	28 992	AGC MAVG - calculated
4/18/2014 1:50	0:08	KWP	0 210	28 240	AGC MAVG - calculated and AGC MAVG - entered - Excess Energy
4/18/2014 1:56	2:44	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/18/2014 2:00	1:30	KWP	4 889	28 448	AGC MAVG - entered - Excess Energy
4/18/2014 3:31	0:57	KWP	3 275	28 480	AGC MAVG - entered - Excess Energy
4/18/2014 4:29	0:02	KWP	0 012	28 112	AGC MAVG - entered - Excess Energy
4/18/2014 4:33	0:03	KWP	0 033	27 808	AGC MAVG - entered - Excess Energy
4/18/2014 4:37	0:01	KWP	0 018	28 096	AGC MAVG - entered - Excess Energy
4/18/2014 4:51	1:35	AWE	7 857	21 000	AGC MAVG - calculated
4/18/2014 4:51	2:00	KWPII	39 870	20 708	AGC MAVG - calculated
4/18/2014 6:29	0:02	AWE	0 061	21 000	AGC MAVG - calculated
4/18/2014 6:33	0:01	AWE	0 002	21 000	AGC MAVG - calculated
4/18/2014 6:42	0:01	AWE	0 016	21 000	AGC MAVG - calculated
4/18/2014 6:44	0:01	AWE	0 005	20 600	AGC MAVG - calculated
4/18/2014 6:53	8:04	KWPII	85 418	20 708	AGC MAVG - calculated
4/18/2014 14:59	0:01	KWPII	0 003	20 708	AGC MAVG - calculated
4/18/2014 15:12	0:01	KWPII	0 000	20 705	AGC MAVG - calculated
4/18/2014 15:14	0:12	KWPII	0 281	20 708	AGC MAVG - calculated
4/18/2014 15:28	0:09	KWPII	0 130	20 706	AGC MAVG - calculated
4/18/2014 15:38	0:02	KWPII	0 010	20 706	AGC MAVG - calculated
4/18/2014 21:45	0:01	KWPII	0 000	20 708	AGC MAVG - calculated
4/18/2014 21:47	0:04	KWPII	0 024	20 706	AGC MAVG - calculated
4/18/2014 21:59	0:10	KWPII	0 131	20 706	AGC MAVG - calculated
4/18/2014 22:11	0:01	KWPII	0 000	20 708	AGC MAVG - calculated
4/18/2014 22:47	0:04	KWPII	0 171	20 708	AGC MAVG - calculated
4/18/2014 22:52	0:28	KWPII	6 540	20 708	AGC MAVG - calculated
4/18/2014 23:21	13:34	KWPII	265 437	20 708	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/18/2014 23:44	0:01	AWE	0 015	12 600	AGC MAVG - calculated
4/18/2014 23:48	0:02	AWE	0 024	12 800	AGC MAVG - calculated
4/18/2014 23:52	0:03	AWE	0 043	12 000	AGC MAVG - calculated
4/18/2014 23:57	0:08	AWE	0 123	11 300	AGC MAVG - calculated
4/19/2014 0:06	0:03	AWE	0 061	9 300	AGC MAVG - calculated
4/19/2014 0:10	0:17	AWE	1 486	15 100	AGC MAVG - calculated
4/19/2014 0:28	5:32	AWE	85 803	21 000	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/19/2014 1:11	0:06	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
4/19/2014 1:31	0:03	KWP	0 032	27 024	AGC MAVG - entered - Excess Energy
4/19/2014 1:35	0:10	KWP	0 286	28 032	AGC MAVG - entered - Excess Energy
4/19/2014 1:46	0:04	KWP	0 163	27 680	AGC MAVG - entered - Excess Energy
4/19/2014 1:51	2:30	KWP	11 473	28 448	AGC MAVG - entered - Excess Energy
4/19/2014 4:22	0:04	KWP	0 070	27 776	AGC MAVG - entered - Excess Energy

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed at	Reasons for Curtailment
4/19/2014 4:28	0:02	KWP	0.047	27,664	AGC MAVG - entered - Excess Energy
4/19/2014 4:31	0:04	KWP	0.049	27,104	AGC MAVG - entered - Excess Energy
4/19/2014 4:36	0:01	KWP	0.021	27,248	AGC MAVG - entered - Excess Energy
4/19/2014 4:40	0:02	KWP	0.053	27,936	AGC MAVG - entered - Excess Energy
4/19/2014 4:43	0:16	KWP	0.325	28,448	AGC MAVG - entered - Excess Energy
4/19/2014 6:01	0:05	AWE	0.104	12,200	AGC MAVG - calculated
4/19/2014 6:07	0:27	AWE	1.833	18,500	AGC MAVG - calculated
4/19/2014 6:35	0:04	AWE	0.080	14,800	AGC MAVG - calculated
4/19/2014 6:45	0:08	AWE	0.156	18,800	AGC MAVG - calculated
4/19/2014 6:53	0:01	AWE	0.016	14,800	AGC MAVG - calculated
4/19/2014 6:55	0:09	AWE	0.445	18,100	AGC MAVG - calculated
4/19/2014 7:09	0:02	AWE	0.045	18,900	AGC MAVG - calculated
4/19/2014 7:15	0:14	AWE	0.570	21,000	AGC MAVG - calculated
4/19/2014 7:33	0:02	AWE	0.060	21,000	AGC MAVG - calculated
4/19/2014 7:38	0:01	AWE	0.015	21,000	AGC MAVG - calculated
4/19/2014 8:39	0:04	AWE	0.049	21,000	AGC MAVG - calculated
4/19/2014 9:44	0:01	AWE	0.004	21,000	AGC MAVG - calculated
4/19/2014 9:48	0:01	AWE	0.006	21,000	AGC MAVG - calculated
4/19/2014 9:50	0:12	AWE	0.423	21,000	AGC MAVG - calculated
4/19/2014 10:03	0:13	AWE	0.138	21,000	AGC MAVG - calculated
4/19/2014 10:17	0:01	AWE	0.000	21,000	AGC MAVG - calculated
4/19/2014 10:19	0:01	AWE	0.007	21,000	AGC MAVG - calculated
4/19/2014 10:21	0:01	AWE	0.007	21,000	AGC MAVG - calculated
4/19/2014 10:23	0:01	AWE	0.017	21,000	AGC MAVG - calculated
4/19/2014 10:25	0:03	AWE	0.057	21,000	AGC MAVG - calculated
4/19/2014 10:29	0:44	AWE	1.996	21,000	AGC MAVG - calculated
4/19/2014 11:15	0:01	AWE	0.006	21,000	AGC MAVG - calculated
4/19/2014 11:33	0:05	AWE	0.129	21,000	AGC MAVG - calculated
4/19/2014 11:39	0:02	AWE	0.009	21,000	AGC MAVG - calculated
4/19/2014 11:42	0:44	AWE	1.983	21,000	AGC MAVG - calculated
4/19/2014 12:27	0:11	AWE	0.568	21,000	AGC MAVG - calculated
4/19/2014 12:39	0:02	AWE	0.062	21,000	AGC MAVG - calculated
4/19/2014 12:42	0:01	AWE	0.022	21,000	AGC MAVG - calculated
4/19/2014 12:44	0:01	AWE	0.005	21,000	AGC MAVG - calculated
4/19/2014 12:50	0:01	AWE	0.004	21,000	AGC MAVG - calculated
4/19/2014 12:56	3:38	KWPII	42.078	20,708	AGC MAVG - calculated
4/19/2014 13:46	0:01	AWE	0.007	21,000	AGC MAVG - calculated
4/19/2014 16:33	0:01	KWPII	0.004	20,708	AGC MAVG - calculated
4/19/2014 16:50	0:01	KWPII	0.001	20,708	AGC MAVG - calculated
4/19/2014 21:38	0:42	KWPII	2.535	20,708	AGC MAVG - calculated
4/19/2014 22:21	0:10	KWPII	1.569	20,708	AGC MAVG - calculated
4/19/2014 22:34	0:06	KWPII	1.571	20,708	AGC MAVG - calculated
4/19/2014 22:44	8:25	KWPII	168.190	20,708	AGC MAVG - calculated
4/19/2014 23:33	7:05	AWE	82.554	21,000	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/20/2014 1:17	3:48	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/20/2014 1:22	0:49	KWP	1.796	26,992	AGC MAVG - entered - Excess Energy
4/20/2014 2:14	0:07	KWP	0.105	24,000	AGC MAVG - entered - Excess Energy
4/20/2014 2:22	0:06	KWP	0.094	24,000	AGC MAVG - entered - Excess Energy
4/20/2014 2:29	2:10	KWP	11.830	26,992	AGC MAVG - entered - Excess Energy
4/20/2014 4:46	0:04	KWP	0.027	25,488	AGC MAVG - entered - Excess Energy
4/20/2014 4:55	0:02	KWP	0.016	25,488	AGC MAVG - entered - Excess Energy
4/20/2014 8:44	0:17	AWE	0.511	21,000	AGC MAVG - calculated
4/20/2014 7:03	0:02	AWE	0.021	21,000	AGC MAVG - calculated
4/20/2014 7:10	3:53	KWPII	43.732	20,708	AGC MAVG - calculated
4/20/2014 10:47	0:04	AWE	0.071	21,000	AGC MAVG - calculated
4/20/2014 10:47	0:01	AWE	0.010	21,000	AGC MAVG - calculated
4/20/2014 10:49	0:01	AWE	0.017	21,000	AGC MAVG - calculated
4/20/2014 10:51	0:07	AWE	0.134	21,000	AGC MAVG - calculated
4/20/2014 11:05	5:01	KWPII	68.374	20,708	AGC MAVG - calculated
4/20/2014 12:45	0:01	AWE	0.013	21,000	AGC MAVG - calculated
4/20/2014 13:08	0:01	AWE	0.006	21,000	AGC MAVG - calculated
4/20/2014 13:32	0:07	AWE	0.114	21,000	AGC MAVG - calculated
4/20/2014 13:43	0:11	AWE	0.168	21,000	AGC MAVG - calculated
4/20/2014 14:13	0:04	AWE	0.021	21,000	AGC MAVG - calculated
4/20/2014 16:07	0:01	KWPII	0.005	20,708	AGC MAVG - calculated and Testing
4/20/2014 16:09	0:03	KWPII	0.040	20,708	AGC MAVG - calculated and Testing
4/20/2014 16:18	0:03	KWPII	0.019	20,708	AGC MAVG - calculated and Testing
4/20/2014 21:45	7:34	KWPII	136.612	20,708	AGC MAVG - calculated, Good Engineering and Operating Practices, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/20/2014 23:18	0:01	AWE	0.009	20,200	AGC MAVG - calculated
4/20/2014 23:20	5:55	AWE	61.916	20,100	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/21/2014 2:30	1:44	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/21/2014 2:38	0:02	KWP	0.008	22,480	AGC MAVG - entered - Excess Energy
4/21/2014 2:41	0:01	KWP	0.006	22,496	AGC MAVG - entered - Excess Energy
4/21/2014 2:43	0:49	KWP	0.966	22,496	AGC MAVG - entered - Excess Energy
4/21/2014 5:21	0:42	KWPII	5.014	20,708	AGC MAVG - calculated
4/21/2014 8:22	0:41	KWPII	2.776	20,708	AGC MAVG - calculated
4/21/2014 7:04	0:11	KWPII	0.198	20,708	AGC MAVG - calculated
4/21/2014 7:56	0:06	KWPII	0.112	19,211	AGC MAVG - calculated
4/21/2014 8:15	0:15	KWPII	0.407	19,211	AGC MAVG - calculated and Good Engineering and Operating Practices
4/21/2014 8:32	0:01	KWPII	0.003	19,211	AGC MAVG - calculated and Good Engineering and Operating Practices
4/21/2014 8:46	0:02	KWPII	0.017	19,211	AGC MAVG - calculated and Good Engineering and Operating Practices
4/21/2014 10:34	0:06	KWPII	0.147	20,708	AGC MAVG - calculated
4/21/2014 10:43	4:56	KWPII	37.474	20,708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/21/2014 22:09	0:03	KWPII	0.049	19,211	AGC MAVG - calculated
4/21/2014 22:19	1:55	KWPII	23.487	19,211	AGC MAVG - calculated
4/21/2014 23:05	0:01	AWE	0.007	20,000	AGC MAVG - calculated
4/21/2014 23:58	0:02	AWE	0.017	20,000	AGC MAVG - calculated
4/22/2014 0:01	0:03	AWE	0.037	20,400	AGC MAVG - calculated
4/22/2014 0:11	0:03	AWE	0.105	20,100	AGC MAVG - calculated
4/22/2014 0:15	0:23	KWPII	4.887	13,223	AGC MAVG - calculated
4/22/2014 0:15	0:23	AWE	1.169	20,000	AGC MAVG - calculated
4/22/2014 0:39	0:20	KWPII	4.972	17,714	AGC MAVG - calculated
4/22/2014 0:39	0:20	AWE	1.982	20,000	AGC MAVG - calculated
4/22/2014 1:00	0:24	KWPII	8.032	20,708	AGC MAVG - calculated and AGC MAVG - entered
4/22/2014 1:00	0:24	AWE	4.709	20,000	AGC MAVG - calculated and AGC MAVG - entered
4/22/2014 1:25	4:31	AWE	74.434	21,000	AGC MAVG - entered, AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
4/22/2014 1:25	14:44	KWPII	195.290	20,708	AGC MAVG - entered, AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
4/22/2014 2:22	2:02	MH	Data is not available	Data is not available	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/22/2014 2:24	0:41	KWP	1.630	24,000	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/22/2014 3:15	0:40	KWP	1.861	25,488	AGC MAVG - calculated
4/22/2014 22:02	12:18	KWPII	173.645	20,708	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/22/2014 23:03	6:48	AWE	102.798	21,000	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/23/2014 1:08	1:30	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/23/2014 1:12	0:14	KWP	0.317	25,488	AGC MAVG - entered - Excess Energy
4/23/2014 1:29	0:15	KWP	0.456	25,472	AGC MAVG - entered - Excess Energy
4/23/2014 1:45	0:01	KWP	0.022	24,320	AGC MAVG - entered - Excess Energy

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/23/2014 1:47	0:02	KWP	0.033	25.136	AGC MAVG - entered - Excess Energy
4/23/2014 1:58	0:01	KWP	0.017	22.992	AGC MAVG - entered - Excess Energy
4/23/2014 2:00	0:12	KWP	0.407	25.088	AGC MAVG - entered - Excess Energy
4/23/2014 2:14	0:01	KWP	0.010	22.824	AGC MAVG - entered - Excess Energy
4/23/2014 2:16	0:05	KWP	0.145	24.880	AGC MAVG - entered - Excess Energy
4/23/2014 2:22	0:01	KWP	0.015	21.904	AGC MAVG - entered - Excess Energy
4/23/2014 2:40	1:44	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy
4/23/2014 2:42	0:08	KWP	0.377	24.928	AGC MAVG - entered - Excess Energy
4/23/2014 2:51	1:18	KWP	4.098	25.488	AGC MAVG - entered - Excess Energy
4/23/2014 4:19	0:03	KWP	0.049	25.472	AGC MAVG - entered - Excess Energy
4/23/2014 10:19	4:32	KWPII	45.393	20.708	AGC MAVG - calculated, Operating Conditions on Company's System AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
4/23/2014 14:57	0:02	KWPII	0.007	20.708	AGC MAVG - calculated
4/23/2014 22:08	0:03	KWPII	0.025	20.708	AGC MAVG - calculated
4/23/2014 22:12	8:08	KWPII	157.520	20.708	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated AGC MAVG - entered - Excess Energy AGC MAVG - calculated, and Good Engineering and Operating Practices
4/23/2014 23:10	7:03	AWE	105.071	21.000	AGC MAVG - calculated, AGC MAVG - entered, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and Good Engineering and Operating Practices
4/24/2014 1:54	2:26	MH	Data is not available	Data is not available	AGC MAVG - entered - Excess Energy AGC MAVG - calculated AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/24/2014 1:56	0:02	KWP	0.010	26.808	AGC MAVG - entered - Excess Energy
4/24/2014 1:59	0:01	KWP	0.010	26.848	AGC MAVG - entered - Excess Energy
4/24/2014 2:01	0:02	KWP	0.014	26.888	AGC MAVG - entered - Excess Energy
4/24/2014 2:04	0:03	KWP	0.028	26.928	AGC MAVG - entered - Excess Energy
4/24/2014 2:08	0:11	KWP	0.179	26.928	AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and AGC MAVG - entered - Excess Energy
4/24/2014 2:20	0:04	KWP	0.112	26.256	AGC MAVG - entered - Excess Energy
4/24/2014 2:25	0:55	KWP	7.865	26.880	AGC MAVG - entered - Excess Energy
4/24/2014 3:21	0:02	KWP	0.036	24.352	AGC MAVG - entered - Excess Energy
4/24/2014 3:24	0:01	KWP	0.030	24.960	AGC MAVG - entered - Excess Energy
4/24/2014 3:26	0:05	KWP	0.138	25.360	AGC MAVG - entered - Excess Energy
4/24/2014 3:32	0:01	KWP	0.007	23.584	AGC MAVG - entered - Excess Energy
4/24/2014 3:34	0:28	KWP	0.897	26.768	AGC MAVG - entered - Excess Energy
4/24/2014 4:04	0:04	KWP	0.045	26.016	AGC MAVG - entered - Excess Energy
4/24/2014 4:09	0:01	KWP	0.018	26.084	AGC MAVG - entered - Excess Energy
4/24/2014 4:14	0:01	KWP	0.011	26.656	AGC MAVG - entered - Excess Energy
4/24/2014 8:20	8:45	KWPII	114.138	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 11:23	0:06	AWE	0.110	20.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 11:32	0:05	AWE	0.078	20.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 11:38	0:01	AWE	0.018	19.900	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 11:51	0:01	AWE	0.008	20.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 11:57	0:01	AWE	0.000	19.900	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:08	0:03	AWE	0.033	20.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:12	0:01	AWE	0.017	19.900	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:14	0:08	AWE	0.194	20.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:24	0:02	AWE	0.043	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:26	0:06	AWE	0.137	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 12:35	0:03	AWE	0.055	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 13:07	2:34	KWPII	33.955	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 13:17	0:02	AWE	0.015	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 13:26	0:01	AWE	0.013	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 15:45	0:02	KWPII	0.018	20.708	AGC MAVG - calculated
4/24/2014 21:26	0:04	KWPII	0.110	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/24/2014 22:28	0:27	KWPII	4.006	20.708	AGC MAVG - entered - Maintaining Regulating Reserves Good Engineering and Operating Practices and AGC MAVG - calculated
4/24/2014 22:56	14:34	KWPII	260.113	20.708	AGC MAVG - calculated, Good Engineering and Operating Practices AGC MAVG - entered AGC MAVG - entered - Maintaining Regulating Reserves AGC MAVG - calculated AGC MAVG - entered, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
4/24/2014 23:09	1:04	AWE	8.220	21.000	AGC MAVG - entered - Maintaining Regulating Reserves Good Engineering and Operating Practices, AGC MAVG - calculated, and AGC MAVG - entered
4/25/2014 0:14	5:45	AWE	58.309	20.800	AGC MAVG - entered Good Engineering and Operating Practices, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
4/25/2014 0:38	0:03	KWP	0.018	25.472	AGC MAVG - calculated, Good Engineering and Operating Practices and AGC MAVG - entered - Maintaining Regulating Reserves
4/25/2014 0:40	0:09	KWP	0.040	25.472	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/25/2014 0:45	4:15	MH	Data is not available	Data is not available	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/25/2014 0:50	4:10	KWP	25.697	25.488	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
4/25/2014 5:00	0:01	AWE	0.034	17.300	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 5:03	0:01	AWE	0.021	17.100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 5:05	0:03	AWE	0.041	19.100	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 5:15	0:01	AWE	0.002	19.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 11:40	0:47	AWE	2.095	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 12:30	0:12	AWE	0.311	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 12:47	0:09	AWE	0.304	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 12:58	0:01	AWE	0.005	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 13:01	0:07	AWE	0.165	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 13:10	0:03	AWE	0.044	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 13:16	0:01	AWE	0.004	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 13:21	0:01	AWE	0.005	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 13:37	1:57	KWPII	28.581	20.708	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 15:30	0:07	KWPII	0.106	20.699	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 15:39	0:02	KWPII	0.023	20.701	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 15:47	0:02	KWPII	0.010	20.698	AGC MAVG - calculated and Good Engineering and Operating Practices
4/25/2014 22:28	15:40	KWPII	313.893	20.708	AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/25/2014 23:17	8:52	AWE	114.810	21.000	AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/26/2014 1:18	3:05	MH	Data is not available	Data is not available	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - entered - Excess Energy
4/26/2014 2:38	0:07	KWP	0.110	24.000	AGC MAVG - entered - Excess Energy
4/26/2014 2:48	1:30	KWP	1.351	24.000	AGC MAVG - entered - Excess Energy
4/26/2014 8:10	0:05	AWE	0.029	21.000	AGC MAVG - calculated
4/26/2014 8:16	0:01	AWE	0.006	21.000	AGC MAVG - calculated
4/26/2014 8:18	0:03	AWE	0.018	21.000	AGC MAVG - calculated
4/26/2014 8:22	0:04	AWE	0.035	21.000	AGC MAVG - calculated
4/26/2014 8:27	0:03	AWE	0.016	21.000	AGC MAVG - calculated
4/26/2014 8:31	0:05	AWE	0.053	21.000	AGC MAVG - calculated
4/26/2014 8:37	0:03	AWE	0.035	21.000	AGC MAVG - calculated
4/26/2014 8:41	0:01	AWE	0.005	21.000	AGC MAVG - calculated
4/26/2014 8:45	3:51	AWE	14.443	21.000	AGC MAVG - calculated
4/26/2014 12:37	0:10	AWE	0.500	21.000	AGC MAVG - calculated
4/26/2014 12:48	0:02	AWE	0.033	21.000	AGC MAVG - calculated
4/26/2014 12:52	0:01	AWE	0.014	21.000	AGC MAVG - calculated
4/26/2014 13:04	0:01	AWE	0.006	21.000	AGC MAVG - calculated
4/26/2014 13:19	0:40	AWE	2.032	21.000	AGC MAVG - calculated
4/26/2014 14:07	1:29	KWPII	15.463	20.708	AGC MAVG - calculated
4/26/2014 14:08	0:01	AWE	0.005	21.000	AGC MAVG - calculated
4/26/2014 15:37	0:11	KWPII	0.187	20.637	AGC MAVG - calculated
4/26/2014 15:51	0:01	KWPII	0.017	20.230	AGC MAVG - calculated
4/26/2014 15:53	0:08	KWPII	0.161	20.563	AGC MAVG - calculated

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RSWG Maui Curtailment Report April 2014

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
4/26/2014 16:06	0:03	KWPII	0.015	19.975	AGC MAVG - calculated
4/26/2014 16:11	0:01	KWPII	0.002	20.183	AGC MAVG - calculated
4/26/2014 16:13	0:01	KWPII	0.007	20.418	AGC MAVG - calculated
4/26/2014 16:15	0:01	KWPII	0.004	20.640	AGC MAVG - calculated
4/26/2014 21:57	2:47	KWPII	40.796	20.708	AGC MAVG - calculated
4/26/2014 23:20	0:02	AWE	0.027	21.000	AGC MAVG - calculated
4/26/2014 23:23	0:01	AWE	0.021	21.000	AGC MAVG - calculated
4/26/2014 23:28	0:05	AWE	0.168	21.000	AGC MAVG - calculated
4/26/2014 23:37	0:12	AWE	0.536	19.900	AGC MAVG - calculated
4/26/2014 23:55	0:01	AWE	0.036	19.600	AGC MAVG - calculated
4/27/2014 0:00	0:29	AWE	2.221	20.000	AGC MAVG - calculated
4/27/2014 0:33	0:03	AWE	0.110	19.100	AGC MAVG - calculated
4/27/2014 0:37	0:02	AWE	0.046	15.700	AGC MAVG - calculated
4/27/2014 0:46	5:55	KWPII	100.942	20.642	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/27/2014 0:49	0:11	AWE	0.467	17.600	AGC MAVG - calculated
4/27/2014 1:06	0:01	AWE	0.004	13.000	AGC MAVG - calculated
4/27/2014 1:08	5:27	AWE	85.958	20.000	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
4/27/2014 2:55	1:39	MH	Data is not available	Data is not available	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - entered - Excess Energy
4/27/2014 2:56	0:50	KWP	2.553	22.480	AGC MAVG - entered - Excess Energy
4/27/2014 3:49	0:03	KWP	0.098	21.184	AGC MAVG - entered - Excess Energy
4/27/2014 3:53	0:02	KWP	0.036	19.984	AGC MAVG - entered - Excess Energy
4/27/2014 3:56	0:01	KWP	0.028	19.536	AGC MAVG - entered - Excess Energy
4/27/2014 3:58	0:01	KWP	0.029	19.712	AGC MAVG - entered - Excess Energy
4/27/2014 4:00	0:11	KWP	0.312	21.424	AGC MAVG - entered - Excess Energy
4/27/2014 4:12	0:02	KWP	0.039	21.440	AGC MAVG - entered - Excess Energy
4/27/2014 4:16	0:02	KWP	0.048	21.712	AGC MAVG - entered - Excess Energy
4/27/2014 4:20	0:01	KWP	0.018	21.056	AGC MAVG - entered - Excess Energy
4/27/2014 4:24	0:03	KWP	0.041	21.232	AGC MAVG - entered - Excess Energy
4/27/2014 4:28	0:01	KWP	0.003	20.288	AGC MAVG - entered - Excess Energy
4/27/2014 6:44	0:02	KWPII	0.016	9.895	AGC MAVG - calculated
4/27/2014 6:47	0:01	KWPII	0.006	9.245	AGC MAVG - calculated
4/28/2014 10:19	0:01	KWPII	0.001	0.048	AGC MAVG - calculated and Testing
4/28/2014 13:33	0:01	KWP	0.000	0.018	AGC MAVG - calculated and Testing
4/28/2014 14:51	0:01	KWP	0.002	0.144	AGC MAVG - calculated and Testing
4/28/2014 23:51	0:01	KWP	0.005	0.288	AGC MAVG - calculated
4/29/2014 8:47	0:01	AWE	0.003	0.200	AGC MAVG - calculated
4/29/2014 14:52	0:01	AWE	0.002	0.100	AGC MAVG - calculated
4/29/2014 15:00	0:01	AWE	0.002	0.100	AGC MAVG - calculated
4/30/2014 2:00	0:01	AWE	0.003	0.200	AGC MAVG - calculated
4/30/2014 3:41	0:01	AWE	0.003	0.200	AGC MAVG - calculated
4/30/2014 9:10	0:01	AWE	0.003	0.200	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.

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Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
4/1/2014 7 33	4/1/2014 7 58	0 26	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 8 02	4/1/2014 8 31	0 30	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 8 34	4/1/2014 8 34	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 8 38	4/1/2014 8 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 8 41	4/1/2014 8 42	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 8 50	4/1/2014 8 57	0.08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 9 02	4/1/2014 9 08	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 9 08	4/1/2014 9 09	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 9 11	4/1/2014 9 36	0 26	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 9 41	4/1/2014 9 43	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 9 48	4/1/2014 10:11	0 24	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 10 31	4/1/2014 10 33	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 10 47	4/1/2014 10 49	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 11:53	4/1/2014 12 30	0 38	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 12.35	4/1/2014 12 43	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 12 48	4/1/2014 12:59	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 13 01	4/1/2014 13:01	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 13 03	4/1/2014 13 05	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 13 07	4/1/2014 13 07	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 13 39	4/1/2014 13 42	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 16 23	4/1/2014 16 42	0 20	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/1/2014 16 45	4/1/2014 16 52	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 7 23	4/2/2014 7 23	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 7 28	4/2/2014 7 29	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 8 03	4/2/2014 8 03	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 8 05	4/2/2014 8 21	0 17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 8 25	4/2/2014 8 38	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 9 11	4/2/2014 9:17	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 9 28	4/2/2014 9 45	0 18	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 9.51	4/2/2014 9 51	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 10:05	4/2/2014 10 10	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 10 12	4/2/2014 10 17	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 10 49	4/2/2014 10 51	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 12 12	4/2/2014 12 15	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 12.18	4/2/2014 12.36	0 19	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 12 57	4/2/2014 12 57	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 13 00	4/2/2014 13.20	0:21	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14 19	4/2/2014 14 19	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14 21	4/2/2014 14 25	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14:37	4/2/2014 14 39	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14:41	4/2/2014 14 42	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14 46	4/2/2014 14 46	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 14:50	4/2/2014 14 50	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 00	4/2/2014 15 01	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 03	4/2/2014 15 04	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 06	4/2/2014 15.06	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 08	4/2/2014 15 10	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 19	4/2/2014 15 21	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 23	4/2/2014 15 24	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 29	4/2/2014 15 30	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 34	4/2/2014 15 35	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 41	4/2/2014 15 49	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15:52	4/2/2014 15 54	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 56	4/2/2014 15 56	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 15 58	4/2/2014 15 59	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 05	4/2/2014 16 05	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 07	4/2/2014 16:08	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 12	4/2/2014 16 20	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 22	4/2/2014 16 22	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 25	4/2/2014 16 28	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16 31	4/2/2014 16 31	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 16:33	4/2/2014 16 42	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/2/2014 17 07	4/2/2014 17.19	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 8 25	4/3/2014 8 25	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 8 30	4/3/2014 8 32	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 8 38	4/3/2014 8 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 8 42	4/3/2014 8 45	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 8 55	4/3/2014 9 00	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 9 02	4/3/2014 11:12	2:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 11:16	4/3/2014 11 24	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 11:40	4/3/2014 11 42	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 11 44	4/3/2014 11 44	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 12 00	4/3/2014 12 00	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 12 36	4/3/2014 12 37	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 12 53	4/3/2014 12 54	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 13 22	4/3/2014 13 23	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 13 32	4/3/2014 13 44	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 13 54	4/3/2014 14 04	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 14 11	4/3/2014 14 11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 14:17	4/3/2014 14.17	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 14 57	4/3/2014 14 57	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 16 29	4/3/2014 16:30	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 16 34	4/3/2014 16 35	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 16 44	4/3/2014 17 21	0 36	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 17 24	4/3/2014 17 28	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 17 33	4/3/2014 17 33	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/3/2014 17 35	4/3/2014 17 37	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lana'i Curtailment Report April 2014

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
4/4/2014 7 14	4/4/2014 11 56	4 43	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 11.59	4/4/2014 11 59	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 12 01	4/4/2014 12 01	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 12:07	4/4/2014 12 07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 13 05	4/4/2014 13 05	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 13 16	4/4/2014 13 18	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 13 26	4/4/2014 13 27	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 13 30	4/4/2014 13 31	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 14 06	4/4/2014 14 11	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 14 16	4/4/2014 14 16	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 14 30	4/4/2014 14 35	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 14 40	4/4/2014 14 41	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 14:45	4/4/2014 14:50	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 15 00	4/4/2014 15 01	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 15 06	4/4/2014 15 09	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 15 16	4/4/2014 15 21	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 15 24	4/4/2014 16 38	1:15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 16 40	4/4/2014 17 13	0 34	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/4/2014 17 15	4/4/2014 17 25	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 7.44	4/5/2014 7 48	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 7.50	4/5/2014 8 13	0 24	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 8 46	4/5/2014 8 48	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 9 19	4/5/2014 9 46	0 28	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 9 54	4/5/2014 10 02	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 10 07	4/5/2014 10 12	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 10 15	4/5/2014 10 19	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 10 23	4/5/2014 10 37	0 15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 10 39	4/5/2014 11 30	0 52	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 11 32	4/5/2014 11 54	0 23	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 11 57	4/5/2014 12 00	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12.02	4/5/2014 12.12	0.11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12:14	4/5/2014 12 14	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12:16	4/5/2014 12 21	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12 23	4/5/2014 12 24	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12.28	4/5/2014 12 38	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12 40	4/5/2014 12 43	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12 45	4/5/2014 12 50	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 12 52	4/5/2014 12 58	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 00	4/5/2014 13 00	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 03	4/5/2014 13.13	0.11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 24	4/5/2014 13 27	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 31	4/5/2014 13 32	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 38	4/5/2014 13 40	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 42	4/5/2014 13 53	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 13 55	4/5/2014 14 06	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 14 08	4/5/2014 14 20	0 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 14.22	4/5/2014 14 30	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 14 32	4/5/2014 15 21	0 50	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 15 23	4/5/2014 15 28	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 15 30	4/5/2014 15 30	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 15 33	4/5/2014 15 45	0:13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 15 47	4/5/2014 15 58	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 16 06	4/5/2014 16 06	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 16.29	4/5/2014 16 31	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 17 09	4/5/2014 17 09	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/5/2014 17.11	4/5/2014 17.11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7 05	4/6/2014 7 05	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7 07	4/6/2014 7 12	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7:17	4/6/2014 7 21	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7 25	4/6/2014 7 31	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7 36	4/6/2014 7 55	0 20	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 7 59	4/6/2014 10 09	2.11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 10 11	4/6/2014 10 27	0 17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 10 29	4/6/2014 10 35	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 10 43	4/6/2014 10 45	0.03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 10 47	4/6/2014 10 48	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 11 23	4/6/2014 11 28	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 11 29	4/6/2014 11 34	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 11 40	4/6/2014 11 43	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 11 45	4/6/2014 12 04	0 20	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 12 09	4/6/2014 12 12	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 12:15	4/6/2014 12 55	0 41	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 12 59	4/6/2014 12 59	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 07	4/6/2014 13 07	0.01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 09	4/6/2014 13:11	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 14	4/6/2014 13 15	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 22	4/6/2014 13 24	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 26	4/6/2014 13 33	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 13 35	4/6/2014 14 38	1 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 14 38	4/6/2014 15 00	0 23	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 07	4/6/2014 15 08	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 10	4/6/2014 15 19	0:10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 22	4/6/2014 15 24	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 26	4/6/2014 15 47	0 22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 49	4/6/2014 15 52	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 15 56	4/6/2014 15 56	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 16 11	4/6/2014 16 12	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lana'i Curtailment Report April 2014

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
4/6/2014 16 14	4/6/2014 16 20	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 16 23	4/6/2014 17:09	0 47	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/6/2014 17 11	4/6/2014 17:12	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 6 57	4/7/2014 7 04	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 7 06	4/7/2014 7:10	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 7 15	4/7/2014 7 22	0.08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 7 24	4/7/2014 7 26	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8.01	4/7/2014 8 01	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8 08	4/7/2014 8 18	0.11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8 20	4/7/2014 8 22	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8 29	4/7/2014 8 32	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8 34	4/7/2014 8 37	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 8:39	4/7/2014 9 01	0 23	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9 05	4/7/2014 9 05	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9 09	4/7/2014 9 19	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9.21	4/7/2014 9 26	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9:28	4/7/2014 9:31	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9 34	4/7/2014 9 36	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9 39	4/7/2014 9.41	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 9 44	4/7/2014 10 08	0:25	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 10	4/7/2014 10:12	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10.17	4/7/2014 10 17	0.01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 19	4/7/2014 10 19	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10:21	4/7/2014 10 21	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 24	4/7/2014 10 24	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 28	4/7/2014 10:29	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 32	4/7/2014 10 34	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10.38	4/7/2014 10 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 41	4/7/2014 10 42	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10 47	4/7/2014 10:47	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 10.51	4/7/2014 10.51	0.01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 11 09	4/7/2014 11:10	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 11 19	4/7/2014 11:21	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 11 25	4/7/2014 11.33	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 11 43	4/7/2014 11:44	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 11.49	4/7/2014 11 58	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12.00	4/7/2014 12 00	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12 02	4/7/2014 12 03	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12 05	4/7/2014 12 06	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12 08	4/7/2014 12 10	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12 12	4/7/2014 12 16	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12.18	4/7/2014 12 19	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 12 22	4/7/2014 13 31	1.10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 13 33	4/7/2014 14 09	0.37	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 11	4/7/2014 14:14	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 16	4/7/2014 14:19	0.04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 27	4/7/2014 14 35	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 40	4/7/2014 14 41	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 43	4/7/2014 14 45	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 47	4/7/2014 14 48	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 50	4/7/2014 14 52	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14 56	4/7/2014 14 57	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 14:59	4/7/2014 15 00	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 15.02	4/7/2014 15 08	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 15.11	4/7/2014 15 11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 15:19	4/7/2014 15 20	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 15 41	4/7/2014 15 42	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 15 49	4/7/2014 15 50	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 00	4/7/2014 16 01	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 07	4/7/2014 16 07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16:18	4/7/2014 16:18	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 21	4/7/2014 16 21	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 28	4/7/2014 16 28	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 34	4/7/2014 16 34	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 39	4/7/2014 16 41	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 16 53	4/7/2014 16:56	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 01	4/7/2014 17.02	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 09	4/7/2014 17.10	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17:18	4/7/2014 17 18	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 24	4/7/2014 17 25	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 35	4/7/2014 17.36	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 38	4/7/2014 17 39	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 47	4/7/2014 17 47	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/7/2014 17 51	4/7/2014 17.52	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/8/2014 7 57	4/8/2014 7.57	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/8/2014 7 59	4/8/2014 8 02	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/8/2014 8 05	4/8/2014 17.19	9 15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/8/2014 17 22	4/8/2014 17 22	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/9/2014 7 34	4/9/2014 9 33	2 00	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/9/2014 9 35	4/9/2014 9 45	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/9/2014 9 47	4/9/2014 9 47	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/9/2014 9 50	4/9/2014 16.58	7 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/9/2014 17 30	4/9/2014 18:01	0:32	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/10/2014 7 01	4/10/2014 7 02	0.02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/10/2014 7 06	4/10/2014 7 20	0:15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/10/2014 7 22	4/10/2014 7 22	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
4/10/2014 7.24	4/10/2014 8 00	0 37	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lanai Curtailment Report April 2014

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

Maui Electric

Lana'i Curtailment Report April 2014

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

Maui Electric

Lanai Curtailment Report April 2014

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

Maui Electric

Lana'i Curtailment Report April 2014

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

Maui Electric

Lanai Curtailment Report April 2014

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

Maui Electric

Lanai Curtailment Report April 2014

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

Notes:

On June 27, 2012, Maui Electric notified LSR that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, Maui Electric would 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 April 2014

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Reason for Curtailment
04/01/14 01:56	19.7 MW	04/01/14 04:14	18.8 MW	Tawhiri Group B curtailed for excess energy.
04/02/14 00:54	19.8 MW	04/02/14 04:31	18.8 MW	Tawhiri Group B curtailed for excess energy.
04/02/14 22:04	18.7 MW	04/02/14 22:54	16.1 MW	High wind curtailment at Tawhiri's request.
04/03/14 01:29	18.7 MW	04/03/14 04:22	18.7 MW	Tawhiri Group B curtailed for excess energy.
04/03/14 09:14	18.6 MW	04/03/14 16:37	17.0 MW	High wind curtailment at Tawhiri's request.
04/13/14 01:25	14.7 MW	04/13/14 02:54	14.9 MW	Tawhiri Group B curtailed for excess energy.
04/13/14 06:58	16.0 MW	04/13/14 11:10	17.7 MW	High wind curtailment at Tawhiri's request.
04/13/14 12:11	19.8 MW	04/13/14 17:42	17.9 MW	High wind curtailment at Tawhiri's request.
04/21/14 08:25	18.5 MW	04/21/14 18:37	18.4 MW	High wind curtailment at Tawhiri's request.
04/22/14 09:00	18.6 MW	04/22/14 09:23	17.0 MW	High wind curtailment at Tawhiri's request.
04/22/14 09:38	19.8 MW	04/22/14 15:21	17.9 MW	High wind curtailment at Tawhiri's request.
04/24/14 08:58	19.6 MW	04/24/14 13:52	19.3 MW	High wind curtailment at Tawhiri's request.
04/25/14 09:59	18.6 MW	04/25/14 12:17	18.1 MW	High wind curtailment at Tawhiri's request.
04/25/14 12.24	19.9 MW	04/25/14 14:54	19.7 MW	High wind curtailment at Tawhiri's request.
04/26/14 01 56	19.8 MW	04/26/14 04:00	17.8 MW	High wind curtailment at Tawhiri's request.
04/26/14 08:32	19.9 MW	04/26/14 17:01	19.6 MW	High wind curtailment at Tawhiri's request.