April 27, 2015

FILED

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PUBLIC UTILITIES COMMISSION

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 March 2015 on (1) system frequency control performance during month; (2) significant system events during month; and (3) curtailment of non-dispatchable renewable resources.

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

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

Sincerely,

Daniel G. Brown
Manager
Regulatory Non-Rate Proceedings

Enclosure

cc: Service List

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

SERVICE LIST
(Docket No. 2011-0206)

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

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

The following provides information with respect to items 1a) through 1b) – (all statements are current as of the month ending March 31, 2015):

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 March 31, 2015):

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:

Maui Electric's under frequency load shed events is provided in Attachment 4. Hawaiian Electric and Hawai'i Electric Light did not have any under frequency load shed events for the month of March.

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

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

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

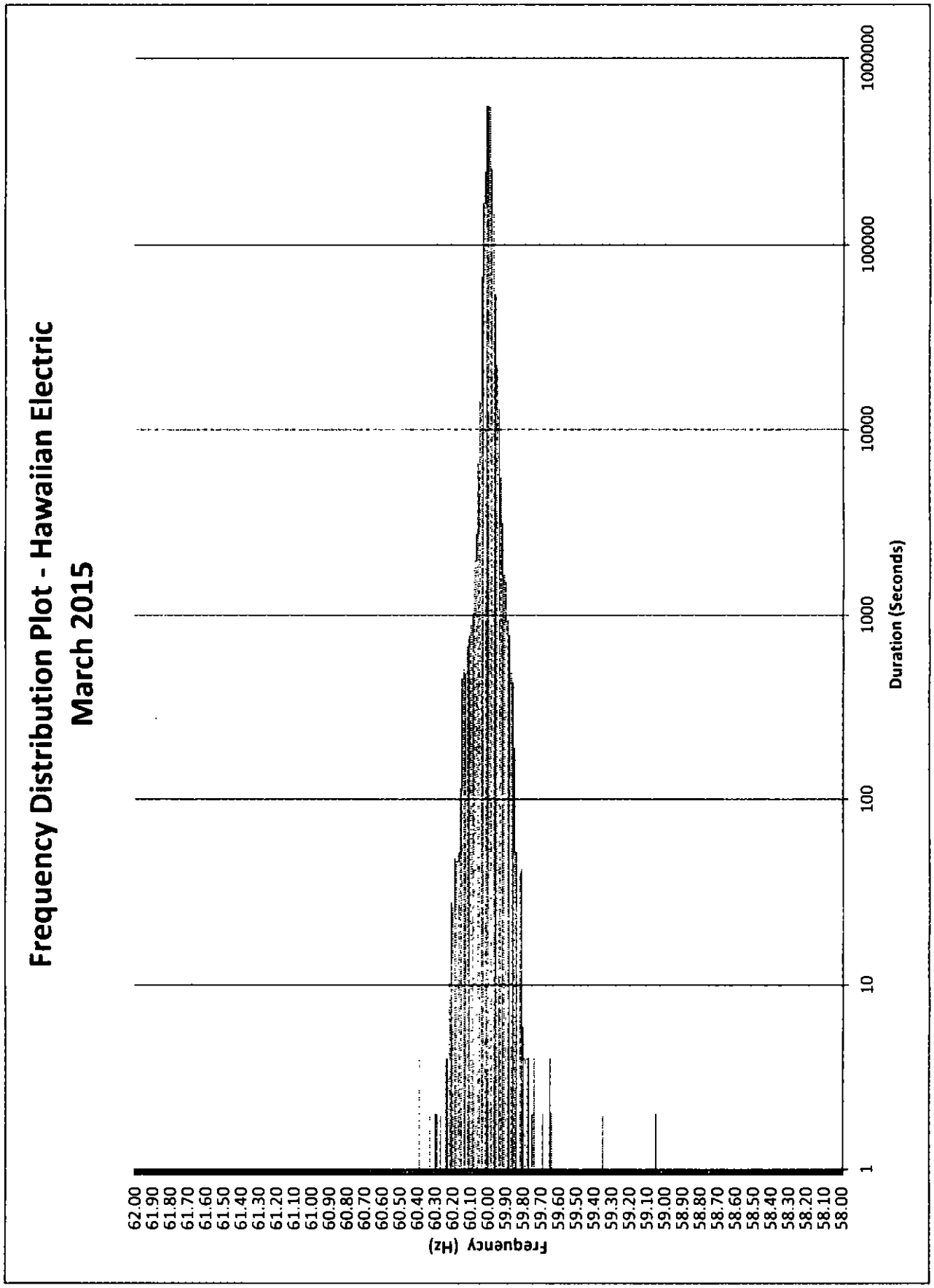
The following provides information with respect to items 3a) through 3b) – (all statements are current as of the month ending March 31, 2015):

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:

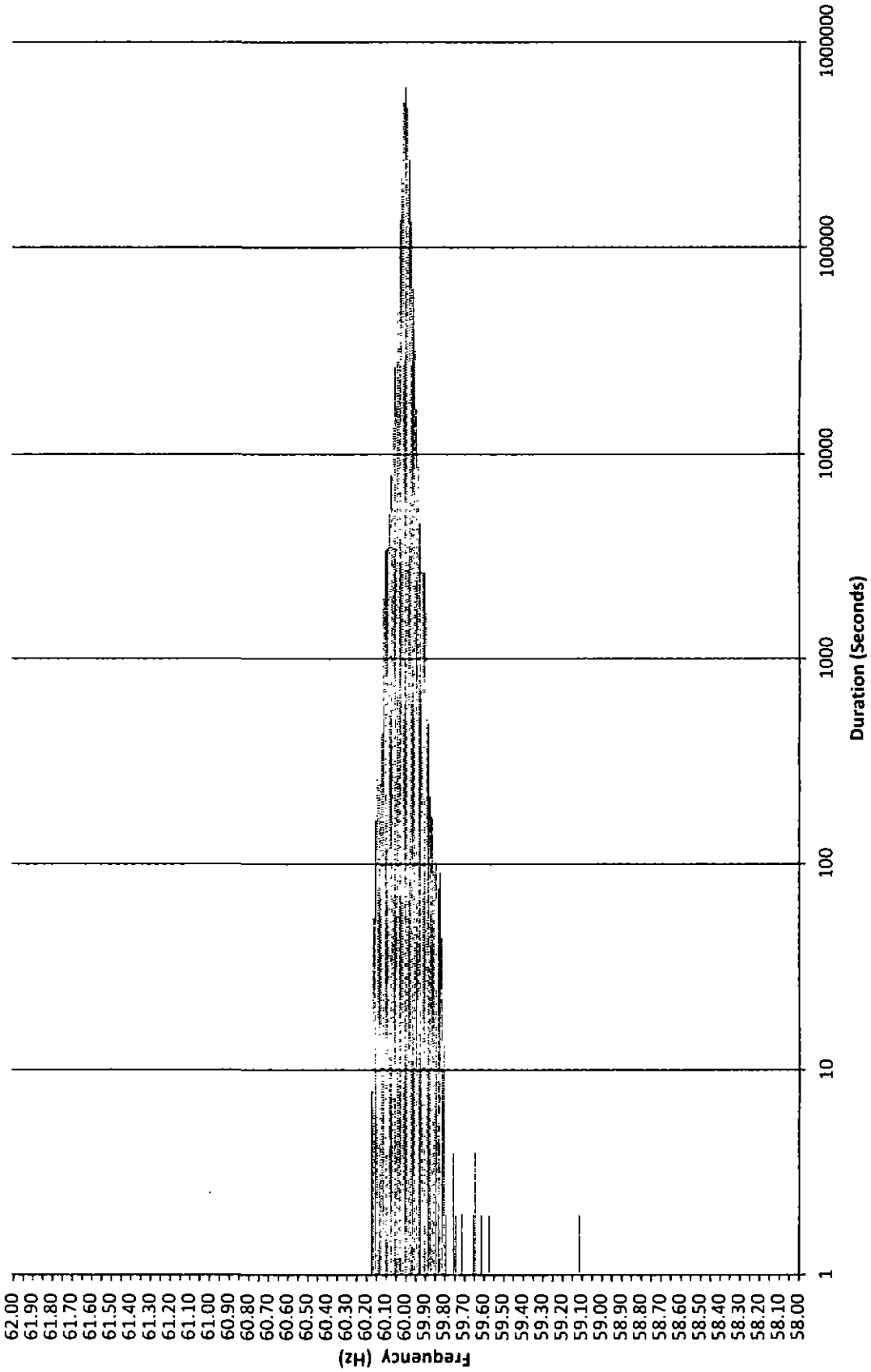
The tabulation of each curtailment event for each resource is provided in Attachment 6.

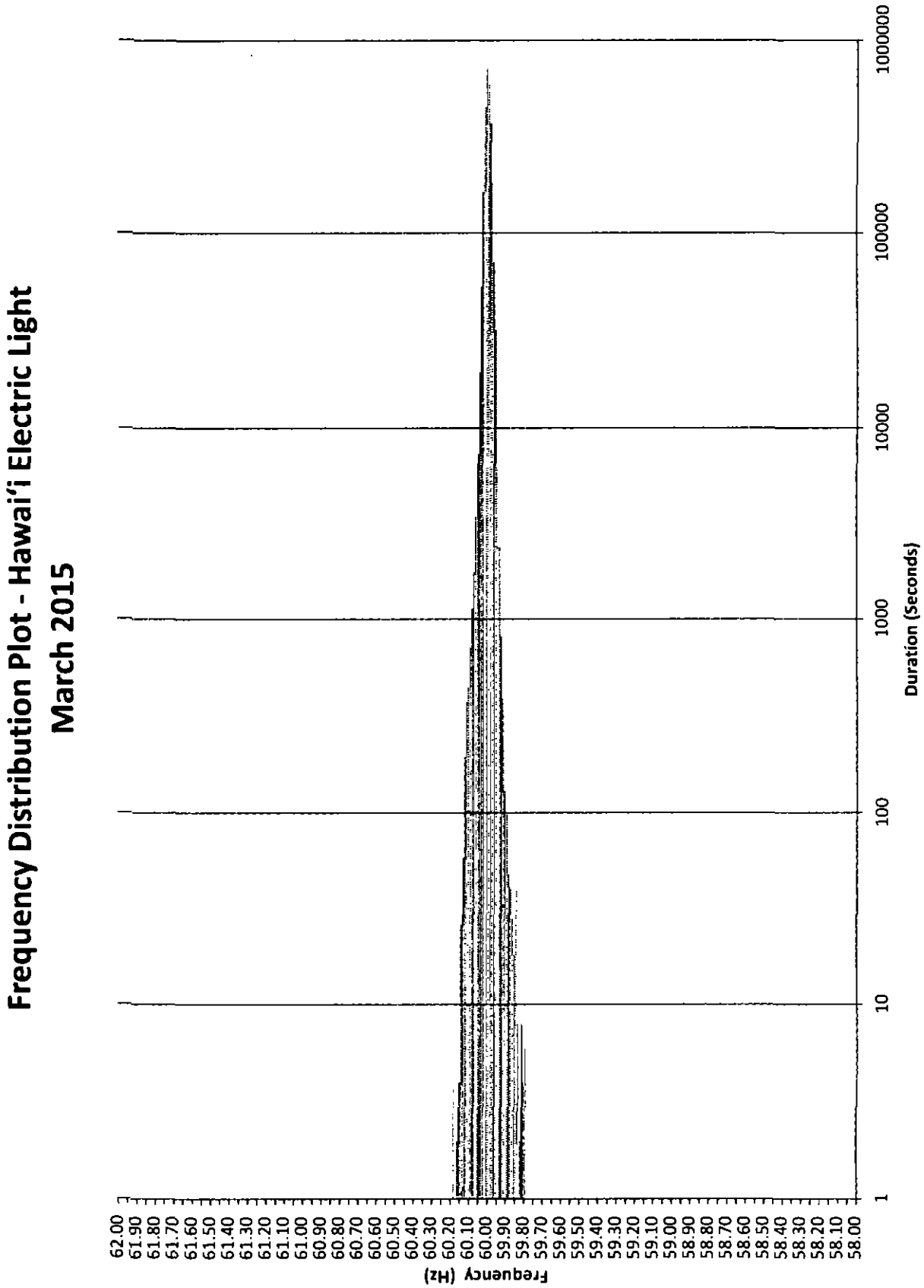
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

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
March 2015
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
March 2015




Frequency Distribution Plot - Hawai'i Electric Light
March 2015
Frequency (Hz)
62.00
61.90
61.80
61.70
61.60
61.50
61.40
61.30
61.20
61.10
61.00
60.90
60.80
60.70
60.60
60.50
60.40
60.30
60.20
60.10
60.00
59.90
59.80
59.70
59.60
59.50
59.40
59.30
59.20
59.10
59.00
58.90
58.80
58.70
58.60
58.50
58.40
58.30
58.20
58.10
58.00
1
10
100
1000
10000
100000
1000000
Duration (Seconds)

Hawaiian Electric Frequency Excursion Statistics March 2015		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	1922	991
Maximum Duration (sec)	934	2004
Maximum Deviation (Hz)	59.053	60.391
Total Duration of Excursions (sec)	35842	20918

Maui Electric Frequency Excursion Statistics March 2015		
	<59.95 Hz	>60.05 Hz
Number of Excursions	6515	4695
Maximum Duration (sec)	548	936
Maximum Deviation (Hz)	59.1083	60.17
Total Duration of Excursions (sec)	52026	47258

Hawai'i Electric Light Frequency Excursion Statistics March 2015		
	<59.95 Hz	>60.05 Hz
Number of Excursions	3886	1268
Maximum Duration (sec)	224	1320
Maximum Deviation (Hz)	59.789	60.179
Total Duration of Excursions (sec)	26420	11090

HAWAIIAN ELECTRIC COMPANY, INC.
CONTINGENCY RESERVE ACTIVATION EVENTS
MARCH 2015

Event #	Date & Time	Frequency (Hz)			Spinning Reserve Shortfall (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	03/03/15 11:58	59.987	59 647	N/A	20 00	0:08	K1 tripped offline while generating ~42 MW. W10 called online for spinning reserve.
2	03/13/15 06.04	60.035	59.934	N/A	6.90	0·03	Kalaeloa CT1 required controlled shutdown while generating ~44 MW W10 called online for spinning reserve.

MAUI ELECTRIC COMPANY, LIMITED
UNDERFREQUENCY LOADSHEDDING EVENTS
March 2015

				Frequency (Hz)					
Event #	IR #	Island	Date & Time	Prior to Event	Nadir	Levels UFLS Occurred	Load Shed (MW)	Duration (HH:MM)	Description
1	365	Lāna'i	3/6/2015 0:14 AM	60.00	58.07	58.65	0.25	0:22	A system frequency depression of 58.07 Hz occurred due to loss of the CHP unit at Manele

HAWAIIAN ELECTRIC COMPANY, INC.
DEMAND RESPONSE EVENTS
MARCH 2015

Event #	Date & Time	Frequency (Hz)			Load Shed (MW)	Duration (HH:MM)	Description
		Prior to Event	Nadir	Trigger			
1	03/03/15 11 59	59.987	59.647	59.70	N/A	0:05	K1 tripped offline while generating ~42 MW. RDLC activated.
2	03/19/15 00.55	60.010	59.643	59 70	N/A	0:03	HPOWER TG1 tripped offline while generating ~36 MW. RDLC activated.

Hawaiian Electric Curtailment Report March 2015

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
03/07/15 20:13	0.0	3.90	03/07/15 20 22	0	*	KWF	Maintenance work
03/07/15 21:22	0 0	3 40	03/07/15 21 33	0	*	KWF	Maintenance work
03/10/15 06:54	0 0	0 00	03/10/15 07:55	0	*	KWF	Replacement work
03/10/15 06:54	0 0	0.00	03/10/15 07:55	0	*	Makai	Replacement work
03/10/15 16.55	0 0	1.30	03/10/15 17:21	0	*	KWF	Replacement work
03/10/15 16:56	0 0	3.00	03/10/15 17:21	0	*	Makai	Replacement work
03/14/15 11 27	0 0	0 00	03/15/15 08 48	0	*	KWF	Maintenance work
03/15/15 07 00	0.0	1 80	03/15/15 08:49	0	*	Makai	Maintenance work
03/15/15 07 01	0 0	1 70	03/15/15 08:49	0	*	Mauka	Maintenance work
03/18/15 06:22	0 0	0 00	03/18/15 16 03	0	*	KLS2	Replacement work
03/19/15 10 00	0 0	1.00	03/19/15 10 44	0	*	KREP	Replacement work
03/19/15 14:16	0 0	1.50	03/19/15 14:32	0	*	KREP	Replacement work

KLS2 = Kalaeloa Solar 2 PV Farm
KREP = Kalaeloa Renewable Energy Park
KWF = Kahuku Wind Farm
Makai = Kawailoa Makai Wind Farm
Mauka = Kawailoa Mauka Wind Farm
(1) The 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 March 2015

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/1/2015 0:00	0:05	KWPII	0.143	7.997	AGC MAVG - calculated
3/1/2015 0:21	0:09	KWPII	0.438	13.184	AGC MAVG - calculated
3/1/2015 0:35	0:19	KWPII	0.594	14.484	AGC MAVG - calculated
3/1/2015 0:55	0:01	KWPII	0.018	2.858	AGC MAVG - calculated
3/1/2015 1:34	0:03	KWPII	0.021	1.954	AGC MAVG - calculated
3/1/2015 2:33	0:08	KWPII	0.090	8.709	AGC MAVG - calculated
3/1/2015 2:57	0:02	KWPII	0.022	8.768	AGC MAVG - calculated
3/1/2015 3:01	0:03	KWPII	0.048	6.499	AGC MAVG - calculated
3/1/2015 3:14	0:02	KWPII	0.023	11.342	AGC MAVG - calculated
3/1/2015 3:17	0:01	KWPII	0.002	11.675	AGC MAVG - calculated
3/1/2015 3:19	0:53	KWPII	8.319	18.025	AGC MAVG - calculated
3/1/2015 3:57	0:01	KWP	0.026	22.663	AGC MAVG - calculated
3/1/2015 4:13	0:13	KWPII	0.954	14.343	AGC MAVG - calculated
3/1/2015 4:26	0:26	KWPII	3.298	20.201	AGC MAVG - calculated
3/1/2015 5:25	0:47	KWPII	3.116	20.893	AGC MAVG - calculated
3/1/2015 6:46	0:05	KWPII	0.065	17.541	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 6:54	0:07	KWPII	0.084	18.174	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:03	0:05	KWPII	0.149	17.320	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:10	0:11	KWPII	0.342	17.083	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:25	0:03	KWPII	0.071	16.081	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:29	0:05	KWPII	0.091	19.593	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:37	0:15	KWPII	0.171	20.061	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 7:56	0:01	KWPII	0.002	20.575	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:05	0:14	KWPII	0.426	20.386	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:22	0:01	KWPII	0.009	16.454	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:26	0:12	KWPII	0.379	17.543	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:39	0:01	KWPII	0.024	15.852	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:44	0:07	KWPII	0.194	17.783	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 8:54	0:05	KWPII	0.054	19.708	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:00	0:01	KWPII	0.001	19.974	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:03	0:04	KWPII	0.018	20.309	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:08	0:01	KWPII	0.002	20.220	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:17	0:06	KWPII	0.110	19.490	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:24	0:04	KWPII	0.084	19.345	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 9:32	0:08	KWPII	0.097	20.357	AGC MAVG - calculated and Good Engineering and Operating Practices
3/1/2015 14:47	0:25	KWPII	1.060	20.022	AGC MAVG - calculated
3/1/2015 15:14	0:06	KWPII	0.043	20.382	AGC MAVG - calculated
3/1/2015 15:21	0:16	KWPII	0.218	20.255	AGC MAVG - calculated
3/1/2015 15:38	0:01	KWPII	0.005	20.336	AGC MAVG - calculated
3/1/2015 15:41	0:01	KWPII	0.006	20.292	AGC MAVG - calculated
3/1/2015 15:44	0:14	KWPII	0.155	20.380	AGC MAVG - calculated
3/1/2015 15:59	0:04	KWPII	0.027	20.226	AGC MAVG - calculated
3/1/2015 16:06	0:02	KWPII	0.010	20.301	AGC MAVG - calculated
3/1/2015 16:14	0:02	KWPII	0.022	20.483	AGC MAVG - calculated
3/1/2015 16:21	0:01	KWPII	0.003	20.585	AGC MAVG - calculated
3/1/2015 16:24	0:05	KWPII	0.038	20.509	AGC MAVG - calculated
3/1/2015 16:30	0:15	KWPII	0.134	20.105	AGC MAVG - calculated
3/1/2015 16:46	0:01	KWPII	0.000	20.095	AGC MAVG - calculated
3/1/2015 16:48	0:11	KWPII	0.077	20.296	AGC MAVG - calculated
3/1/2015 17:03	0:02	KWPII	0.001	20.197	AGC MAVG - calculated
3/1/2015 17:06	0:01	KWPII	0.001	20.562	AGC MAVG - calculated
3/1/2015 17:17	0:06	KWPII	0.035	20.883	AGC MAVG - calculated
3/1/2015 17:25	0:04	KWPII	0.047	20.224	AGC MAVG - calculated
3/1/2015 17:31	0:06	KWPII	0.037	20.268	AGC MAVG - calculated
3/1/2015 17:45	0:01	KWPII	0.001	20.691	AGC MAVG - calculated
3/1/2015 18:50	0:01	KWPII	0.001	20.833	AGC MAVG - calculated
3/1/2015 19:06	0:01	KWPII	0.002	20.523	AGC MAVG - calculated
3/1/2015 19:10	0:01	KWPII	0.012	20.449	AGC MAVG - calculated
3/1/2015 20:09	0:01	KWPII	0.001	20.840	AGC MAVG - calculated
3/1/2015 20:15	0:02	KWPII	0.002	20.644	AGC MAVG - calculated
3/1/2015 21:20	0:01	KWPII	0.001	20.799	AGC MAVG - calculated
3/1/2015 21:22	0:01	KWPII	0.003	20.747	AGC MAVG - calculated
3/1/2015 21:24	0:02	KWPII	0.014	19.829	AGC MAVG - calculated
3/1/2015 21:34	0:05	KWPII	0.053	20.499	AGC MAVG - calculated
3/1/2015 21:42	0:03	KWPII	0.009	20.472	AGC MAVG - calculated
3/1/2015 21:46	0:01	KWPII	0.001	20.386	AGC MAVG - calculated
3/1/2015 21:51	0:06	KWPII	0.035	20.502	AGC MAVG - calculated
3/1/2015 21:58	0:06	KWPII	0.100	19.943	AGC MAVG - calculated
3/1/2015 22:08	0:05	KWPII	0.058	19.196	AGC MAVG - calculated
3/1/2015 22:17	0:01	KWPII	0.006	19.129	AGC MAVG - calculated
3/1/2015 22:20	0:03	KWPII	0.029	19.224	AGC MAVG - calculated
3/1/2015 22:24	0:03	KWPII	0.025	18.953	AGC MAVG - calculated
3/1/2015 22:30	0:01	KWPII	0.007	19.577	AGC MAVG - calculated
3/1/2015 22:33	0:18	KWPII	0.591	20.338	AGC MAVG - calculated
3/1/2015 22:52	0:19	KWPII	0.471	20.435	AGC MAVG - calculated
3/1/2015 23:17	5:33	KWPII	93.097	20.661	AGC MAVG - calculated
3/2/2015 1:28	2:56	KWP	11.063	26.742	AGC MAVG - calculated
3/2/2015 4:27	0:01	KWP	0.001	26.305	AGC MAVG - calculated
3/2/2015 4:34	0:01	AWE	0.007	0.627	AGC MAVG - calculated
3/2/2015 4:51	1:02	KWPII	9.735	20.491	AGC MAVG - calculated
3/2/2015 7:59	0:01	KWPII	0.001	15.309	AGC MAVG - calculated
3/2/2015 9:47	0:02	KWPII	0.039	18.328	AGC MAVG - calculated
3/2/2015 9:55	0:01	KWPII	0.010	18.219	AGC MAVG - calculated
3/2/2015 10:08	0:01	KWPII	0.025	18.277	AGC MAVG - calculated
3/2/2015 10:11	0:35	KWPII	3.246	20.570	AGC MAVG - calculated
3/2/2015 10:47	0:10	KWPII	0.275	20.172	AGC MAVG - calculated
3/2/2015 10:59	0:02	KWPII	0.030	17.552	AGC MAVG - calculated
3/2/2015 11:04	0:01	KWPII	0.002	17.453	AGC MAVG - calculated
3/2/2015 11:08	0:22	KWPII	1.681	20.192	AGC MAVG - calculated
3/2/2015 11:32	0:39	KWPII	2.742	19.624	AGC MAVG - calculated
3/2/2015 12:15	0:02	KWPII	0.024	14.535	AGC MAVG - calculated
3/2/2015 15:57	0:03	KWPII	0.043	4.209	AGC MAVG - calculated
3/2/2015 16:12	0:02	KWPII	0.023	4.522	AGC MAVG - calculated
3/2/2015 16:23	0:02	KWPII	0.026	7.963	AGC MAVG - calculated
3/2/2015 16:26	0:04	KWPII	0.045	8.870	AGC MAVG - calculated
3/2/2015 16:32	0:02	KWPII	0.048	9.327	AGC MAVG - calculated
3/2/2015 16:37	0:01	KWPII	0.008	9.587	AGC MAVG - calculated
3/2/2015 16:39	0:02	KWPII	0.014	11.789	AGC MAVG - calculated
3/2/2015 16:44	0:08	KWPII	0.166	13.377	AGC MAVG - calculated
3/2/2015 16:51	0:01	KWPII	0.005	9.761	AGC MAVG - calculated
3/2/2015 16:53	0:02	KWPII	0.026	9.828	AGC MAVG - calculated
3/2/2015 17:00	0:02	KWPII	0.018	8.276	AGC MAVG - calculated
3/2/2015 17:08	0:02	KWPII	0.026	9.464	AGC MAVG - calculated
3/2/2015 17:11	0:07	KWPII	0.102	8.164	AGC MAVG - calculated
3/2/2015 17:28	0:01	KWPII	0.010	5.521	AGC MAVG - calculated
3/2/2015 17:30	0:03	KWPII	0.038	4.795	AGC MAVG - calculated
3/2/2015 17:36	0:01	KWPII	0.001	4.300	AGC MAVG - calculated
3/2/2015 17:39	0:03	KWPII	0.043	4.338	AGC MAVG - calculated
3/2/2015 17:47	0:01	KWPII	0.010	4.858	AGC MAVG - calculated
3/2/2015 17:53	0:03	KWPII	0.058	7.515	AGC MAVG - calculated
3/2/2015 17:59	0:01	KWPII	0.017	6.418	AGC MAVG - calculated
3/2/2015 18:08	0:04	KWPII	0.055	7.068	AGC MAVG - calculated
3/2/2015 18:13	0:02	KWPII	0.014	5.987	AGC MAVG - calculated
3/2/2015 18:21	0:32	KWPII	0.846	15.523	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/2/2015 18 54	0 04	KWPII	0 115	11 173	AGC MAVG - calculated
3/2/2015 19 04	0 07	KWPII	0 184	13 047	AGC MAVG - calculated
3/2/2015 19 14	0 03	KWPII	0 082	11 581	AGC MAVG - calculated
3/2/2015 19 18	0 01	KWPII	0 014	11 728	AGC MAVG - calculated
3/2/2015 19 20	0 06	KWPII	0 124	13 231	AGC MAVG - calculated
3/2/2015 19 27	0 15	KWPII	0 295	17 788	AGC MAVG - calculated
3/2/2015 19 43	0 01	KWPII	0 002	16 059	AGC MAVG - calculated
3/2/2015 19 48	0 02	KWPII	0 027	16 496	AGC MAVG - calculated
3/2/2015 19 52	0 33	KWPII	1 106	19 413	AGC MAVG - calculated
3/2/2015 20 26	0 04	KWPII	0 023	17 588	AGC MAVG - calculated
3/2/2015 20 31	0 07	KWPII	0 093	18 612	AGC MAVG - calculated
3/2/2015 20 39	0 01	KWPII	0 006	18 167	AGC MAVG - calculated
3/2/2015 20 41	0 03	KWPII	0 036	18 388	AGC MAVG - calculated
3/2/2015 20 46	0 04	KWPII	0 127	18 940	AGC MAVG - calculated
3/2/2015 20 53	0 01	KWPII	0 001	17 995	AGC MAVG - calculated
3/2/2015 20 55	0 01	KWPII	0 002	18 341	AGC MAVG - calculated
3/2/2015 21 00	0 04	KWPII	0 023	19 449	AGC MAVG - calculated
3/2/2015 21 10	0 08	KWPII	0 084	20 187	AGC MAVG - calculated
3/2/2015 21 22	0 04	KWPII	0 018	20 378	AGC MAVG - calculated
3/2/2015 21 28	0 07	KWPII	0 059	20 065	AGC MAVG - calculated
3/2/2015 21 36	0 01	KWPII	0 004	19 935	AGC MAVG - calculated
3/2/2015 21 39	0 01	KWPII	0 006	20 182	AGC MAVG - calculated
3/2/2015 21 41	0 07	KWPII	0 100	20 102	AGC MAVG - calculated
3/2/2015 21 49	3 00	KWPII	27 960	20 637	AGC MAVG - calculated
3/2/2015 23 55	0 08	AWE	0 178	11 527	AGC MAVG - calculated
3/3/2015 0 02	0 04	AWE	0 111	8 887	AGC MAVG - calculated
3/3/2015 0 07	0 24	AWE	0 865	9 527	AGC MAVG - calculated
3/3/2015 0 32	0 03	AWE	0 066	4 567	AGC MAVG - calculated
3/3/2015 0 50	0 37	KWPII	10 885	20 565	AGC MAVG - calculated
3/3/2015 1 18	0 01	AWE	0 007	8 720	AGC MAVG - calculated
3/3/2015 1 29	3 15	KWPII	28 920	20 694	AGC MAVG - calculated
3/3/2015 8 02	0 05	KWPII	0 028	20 349	AGC MAVG - calculated
3/3/2015 8 08	0 03	KWPII	0 040	20 019	AGC MAVG - calculated
3/3/2015 8 12	0 11	KWPII	0 144	19 809	AGC MAVG - calculated
3/3/2015 8 24	0 03	KWPII	0 015	19 155	AGC MAVG - calculated
3/3/2015 8 32	0 01	KWPII	0 003	20 425	AGC MAVG - calculated
3/3/2015 8 35	0 01	KWPII	0 002	20 510	AGC MAVG - calculated
3/3/2015 8 37	0 01	KWPII	0 002	20 549	AGC MAVG - calculated
3/3/2015 8 39	0 01	KWPII	0 006	20 408	AGC MAVG - calculated
3/3/2015 8 42	0 01	KWPII	0 009	20 245	AGC MAVG - calculated
3/3/2015 8 46	0 01	KWPII	0 005	20 362	AGC MAVG - calculated
3/3/2015 8 53	0 02	KWPII	0 005	20 545	AGC MAVG - calculated
3/3/2015 9 09	0 01	KWPII	0 017	20 191	AGC MAVG - calculated
3/3/2015 9 13	0 08	KWPII	0 049	19 903	AGC MAVG - calculated
3/3/2015 9 22	0 04	KWPII	0 073	19 687	AGC MAVG - calculated
3/3/2015 9 27	0 15	KWPII	0 136	20 077	AGC MAVG - calculated
3/3/2015 9 43	0 03	KWPII	0 025	19 989	AGC MAVG - calculated
3/3/2015 9 49	0 02	KWPII	0 004	20 165	AGC MAVG - calculated
3/3/2015 9 52	0 04	KWPII	0 026	20 111	AGC MAVG - calculated
3/3/2015 9 57	0 12	KWPII	0 181	20 036	AGC MAVG - calculated
3/3/2015 10 12	0 01	KWPII	0 001	20 149	AGC MAVG - calculated
3/3/2015 10 14	0 03	KWPII	0 011	20 544	AGC MAVG - calculated
3/3/2015 10 18	0 12	KWPII	0 280	20 330	AGC MAVG - calculated
3/3/2015 10 32	0 05	KWPII	0 126	19 590	AGC MAVG - calculated
3/3/2015 10 40	0 07	KWPII	0 204	19 647	AGC MAVG - calculated
3/3/2015 10 48	0 01	KWPII	0 011	18 164	AGC MAVG - calculated
3/3/2015 10 51	0 01	KWPII	0 024	17 372	AGC MAVG - calculated
3/3/2015 10 55	0 06	KWPII	0 152	18 051	AGC MAVG - calculated
3/3/2015 11 02	0 04	KWPII	0 053	14 224	AGC MAVG - calculated
3/3/2015 11 07	0 09	KWPII	0 248	18 403	AGC MAVG - calculated
3/3/2015 11 18	0 03	KWPII	0 091	17 970	AGC MAVG - calculated
3/3/2015 11 27	0 04	KWPII	0 041	17 395	AGC MAVG - calculated
3/3/2015 11 28	0 04	KWPII	0 131	19 178	AGC MAVG - calculated
3/3/2015 11 35	0 01	KWPII	0 013	17 185	AGC MAVG - calculated
3/3/2015 11 38	0 01	KWPII	0 003	17 344	AGC MAVG - calculated
3/3/2015 11 41	0 02	KWPII	0 003	17 832	AGC MAVG - calculated
3/3/2015 11 44	0 01	KWPII	0 014	18 350	AGC MAVG - calculated
3/3/2015 11 48	0 02	KWPII	0 030	18 090	AGC MAVG - calculated
3/3/2015 11 52	0 22	KWPII	0 589	20 029	AGC MAVG - calculated
3/3/2015 12 17	0 01	KWPII	0 008	17 020	AGC MAVG - calculated
3/3/2015 12 22	0 02	KWPII	0 032	18 254	AGC MAVG - calculated
3/3/2015 12 28	0 08	KWPII	0 183	19 822	AGC MAVG - calculated
3/3/2015 12 35	0 13	KWPII	0 187	20 411	AGC MAVG - calculated
3/3/2015 12 51	0 09	KWPII	0 058	20 662	AGC MAVG - calculated
3/3/2015 13 01	0 08	KWPII	0 039	20 594	AGC MAVG - calculated
3/3/2015 13 10	0 06	KWPII	0 036	20 652	AGC MAVG - calculated
3/3/2015 13 19	0 02	KWPII	0 002	19 044	AGC MAVG - calculated
3/3/2015 14 17	0 04	KWPII	0 029	20 426	AGC MAVG - calculated and Operating Conditions on Company's System
3/3/2015 14 23	0 04	KWPII	0 028	20 871	AGC MAVG - calculated and Operating Conditions on Company's System
3/3/2015 14 29	0 02	KWPII	0 006	20 844	AGC MAVG - calculated
3/3/2015 14 35	0 02	KWPII	0 003	20 669	AGC MAVG - calculated
3/3/2015 14 50	0 03	KWPII	0 014	20 859	AGC MAVG - calculated
3/3/2015 15 02	0 06	KWPII	0 103	20 426	AGC MAVG - calculated
3/3/2015 15 22	0 01	KWPII	0 002	14 550	AGC MAVG - calculated
3/3/2015 15 26	0 02	KWPII	0 012	15 440	AGC MAVG - calculated
3/3/2015 15 33	0 03	KWPII	0 095	14 312	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 15 39	0 02	KWPII	0 031	14 764	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 15 42	0 02	KWPII	0 035	14 887	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 15 46	0 05	KWPII	0 086	14 254	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 15 54	0 02	KWPII	0 037	15 470	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 15 58	0 01	KWPII	0 018	17 368	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 16 00	0 04	KWPII	0 040	20 245	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 16 07	0 01	KWPII	0 005	20 832	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 16 13	0 01	KWPII	0 001	20 831	AGC MAVG - calculated and Good Engineering and Operating Practices
3/3/2015 17 28	0 02	KWPII	0 004	20 390	AGC MAVG - calculated
3/3/2015 18 08	0 01	KWPII	0 001	20 670	AGC MAVG - calculated
3/3/2015 18 47	0 02	KWPII	0 004	20 618	AGC MAVG - calculated
3/3/2015 21 33	0 01	KWPII	0 001	20 643	AGC MAVG - calculated
3/3/2015 21 55	0 01	KWPII	0 002	20 649	AGC MAVG - calculated
3/3/2015 22 17	0 01	KWPII	0 001	20 673	AGC MAVG - calculated
3/3/2015 22 20	0 01	KWPII	0 001	20 419	AGC MAVG - calculated
3/3/2015 22 22	0 05	KWPII	0 030	20 258	AGC MAVG - calculated
3/3/2015 22 28	0 02	KWPII	0 011	19 851	AGC MAVG - calculated
3/3/2015 22 37	0 01	KWPII	0 004	20 584	AGC MAVG - calculated
3/3/2015 22 40	0 01	KWPII	0 005	20 474	AGC MAVG - calculated
3/3/2015 22 45	0 01	KWPII	0 002	20 500	AGC MAVG - calculated
3/3/2015 22 47	0 08	KWPII	0 136	20 408	AGC MAVG - calculated
3/3/2015 22 59	0 03	KWPII	0 031	19 803	AGC MAVG - calculated
3/3/2015 23 05	0 01	KWPII	0 016	19 093	AGC MAVG - calculated
3/3/2015 23 09	0 01	KWPII	0 001	19 852	AGC MAVG - calculated
3/3/2015 23 24	0 01	KWPII	0 001	20 682	AGC MAVG - calculated and Operating Conditions on Company's System
3/3/2015 23 35	1 15	KWPII	3 584	20 696	AGC MAVG - entered - Maintaining Regulating Reserves Operating Conditions on Company's System, AGC MAVG - calculated Testing, and AGC MAVG - calculated
3/4/2015 0 52	0 01	KWPII	0 000	7 931	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/4/2015 0 58	0 01	KWPII	0 012	10 028	AGC MAVG - calculated
3/4/2015 1 01	0 03	KWPII	0 072	9 871	AGC MAVG - calculated
3/4/2015 1 12	1 19	KWPII	13 912	20 588	AGC MAVG - calculated
3/4/2015 2 10	0 18	AWE	0 929	16 110	AGC MAVG - calculated
3/4/2015 2 32	0 23	KWPII	1 606	17 754	AGC MAVG - calculated
3/4/2015 2 56	0 04	KWPII	0 063	8 072	AGC MAVG - calculated
3/4/2015 3 21	0 02	KWPII	0 017	3 394	AGC MAVG - calculated
3/4/2015 3 36	0 01	KWP	0 000	0 007	AGC MAVG - calculated
3/4/2015 3 37	0 14	KWPII	0 508	15 182	AGC MAVG - calculated
3/4/2015 3 52	0 03	KWPII	0 066	11 695	AGC MAVG - calculated
3/4/2015 4 12	0 03	KWPII	0 119	15 403	AGC MAVG - calculated
3/4/2015 4 18	0 04	KWPII	0 163	16 878	AGC MAVG - calculated
3/4/2015 4 29	0 01	KWPII	0 001	18 880	AGC MAVG - calculated
3/4/2015 4 34	1 16	KWPII	7 244	20 706	AGC MAVG - calculated
3/4/2015 6 00	0 01	KWPII	0 005	19 839	AGC MAVG - calculated
3/4/2015 7 28	0 02	KWPII	0 020	16 387	AGC MAVG - calculated
3/4/2015 7 33	0 03	KWPII	0 041	15 187	AGC MAVG - calculated
3/4/2015 7 38	0 01	KWPII	0 017	12 976	AGC MAVG - calculated
3/4/2015 7 45	0 07	KWPII	0 154	13 582	AGC MAVG - calculated and Testing
3/4/2015 7 53	0 02	KWPII	0 014	7 975	AGC MAVG - calculated and Testing
3/4/2015 7 57	0 02	KWPII	0 025	8 416	AGC MAVG - calculated and Testing
3/4/2015 8 26	0 04	KWPII	0 061	11 255	AGC MAVG - calculated
3/4/2015 8 31	0 01	KWPII	0 013	6 491	AGC MAVG - calculated
3/4/2015 8 33	0 02	KWPII	0 029	5 135	AGC MAVG - calculated
3/4/2015 9 34	0 05	KWPII	0 051	3 418	AGC MAVG - calculated
3/4/2015 10 14	0 01	KWPII	0 018	7 359	AGC MAVG - calculated
3/4/2015 10 18	0 03	KWPII	0 035	6 649	AGC MAVG - calculated
3/4/2015 10 25	0 02	KWPII	0 061	6 616	AGC MAVG - calculated
3/4/2015 10 30	0 01	KWPII	0 015	5 025	AGC MAVG - calculated
3/4/2015 10 35	0 01	KWPII	0 018	4 787	AGC MAVG - calculated
3/4/2015 10 41	0 01	KWPII	0 006	6 606	AGC MAVG - calculated
3/4/2015 10 46	0 04	KWPII	0 037	9 331	AGC MAVG - calculated
3/4/2015 10 52	0 02	KWPII	0 054	9 990	AGC MAVG - calculated
3/4/2015 10 57	0 05	KWPII	0 099	12 166	AGC MAVG - calculated
3/4/2015 11 03	0 09	KWPII	0 194	12 303	AGC MAVG - calculated
3/4/2015 11 14	0 03	KWPII	0 083	8 051	AGC MAVG - calculated
3/4/2015 11 18	0 03	KWPII	0 036	5 638	AGC MAVG - calculated
3/4/2015 11 24	0 01	KWPII	0 012	3 547	AGC MAVG - calculated
3/4/2015 12 48	0 01	KWPII	0 011	3 715	AGC MAVG - calculated
3/4/2015 12 48	0 01	KWPII	0 006	2 779	AGC MAVG - calculated
3/4/2015 13 53	0 01	KWPII	0 006	0 574	AGC MAVG - calculated
3/4/2015 13 59	0 01	KWPII	0 004	0 270	AGC MAVG - calculated
3/4/2015 14 37	0 13	KWPII	0 885	20 685	AGC MAVG - calculated
3/4/2015 20 49	0 01	KWPII	0 028	18 863	AGC MAVG - calculated
3/4/2015 22 49	0 02	KWPII	0 015	19 715	AGC MAVG - calculated
3/4/2015 23 58	0 05	KWPII	0 230	13 552	AGC MAVG - calculated
3/5/2015 0 05	0 20	KWPII	2 533	18 156	AGC MAVG - calculated
3/5/2015 1 14	0 29	KWPII	5 270	19 204	AGC MAVG - calculated
3/5/2015 1 45	0 22	KWPII	2 758	18 026	AGC MAVG - calculated
3/5/2015 2 29	0 01	KWPII	0 015	13 401	AGC MAVG - calculated
3/5/2015 2 38	0 01	KWPII	0 009	10 446	AGC MAVG - calculated
3/5/2015 5 34	0 06	KWPII	0 287	18 968	AGC MAVG - calculated
3/5/2015 5 41	0 01	KWPII	0 003	19 060	AGC MAVG - calculated
3/5/2015 6 46	0 01	AWE	0 000	0 027	AGC MAVG - calculated
3/5/2015 9 30	0 01	KWPII	0 000	20 614	AGC MAVG - calculated
3/5/2015 9 46	0 03	KWPII	0 010	20 650	AGC MAVG - calculated
3/5/2015 9 51	0 04	KWPII	0 027	20 519	AGC MAVG - calculated
3/5/2015 10 07	0 02	KWPII	0 012	20 541	AGC MAVG - calculated
3/5/2015 10 11	0 09	KWPII	0 256	19 996	AGC MAVG - calculated
3/5/2015 10 21	0 01	KWPII	0 037	17 209	AGC MAVG - calculated
3/5/2015 10 24	0 01	KWPII	0 005	17 921	AGC MAVG - calculated
3/5/2015 10 27	0 01	KWPII	0 002	18 689	AGC MAVG - calculated
3/5/2015 10 30	0 01	KWPII	0 018	19 103	AGC MAVG - calculated
3/5/2015 10 38	0 01	KWPII	0 001	19 034	AGC MAVG - calculated
3/5/2015 10 44	0 01	KWPII	0 004	19 916	AGC MAVG - calculated
3/5/2015 10 48	0 03	KWPII	0 025	20 065	AGC MAVG - calculated
3/5/2015 10 51	0 17	KWPII	0 199	19 800	AGC MAVG - calculated
3/5/2015 11 05	0 03	KWPII	0 026	19 606	AGC MAVG - calculated
3/5/2015 11 10	0 01	KWPII	0 000	19 743	AGC MAVG - calculated
3/5/2015 11 13	0 01	KWPII	0 018	19 991	AGC MAVG - calculated
3/5/2015 11 16	0 01	KWPII	0 009	19 987	AGC MAVG - calculated
3/5/2015 11 25	0 01	KWPII	0 007	19 997	AGC MAVG - calculated
3/5/2015 11 27	0 01	KWPII	0 019	19 679	AGC MAVG - calculated
3/5/2015 11 33	0 11	KWPII	0 364	19 716	AGC MAVG - calculated
3/5/2015 11 50	0 04	KWPII	0 083	18 690	AGC MAVG - calculated
3/5/2015 11 57	0 01	KWPII	0 010	19 297	AGC MAVG - calculated
3/5/2015 11 58	0 01	KWPII	0 002	19 780	AGC MAVG - calculated
3/5/2015 12 05	0 01	KWPII	0 009	20 091	AGC MAVG - calculated
3/5/2015 12 11	0 01	KWPII	0 013	19 829	AGC MAVG - calculated
3/5/2015 12 13	0 03	KWPII	0 030	19 898	AGC MAVG - calculated
3/5/2015 12 18	0 04	KWPII	0 024	19 855	AGC MAVG - calculated
3/5/2015 12 23	0 08	KWPII	0 107	19 828	AGC MAVG - calculated
3/5/2015 12 34	0 01	KWPII	0 027	18 459	AGC MAVG - calculated
3/5/2015 12 36	0 04	KWPII	0 040	18 735	AGC MAVG - calculated
3/5/2015 12 46	0 02	KWPII	0 017	18 942	AGC MAVG - calculated
3/5/2015 12 50	0 02	KWPII	0 012	17 726	AGC MAVG - calculated
3/5/2015 12 53	0 20	KWPII	0 351	18 859	AGC MAVG - calculated
3/5/2015 13 14	0 03	KWPII	0 095	17 142	AGC MAVG - calculated
3/5/2015 13 18	0 05	KWPII	0 123	18 917	AGC MAVG - calculated
3/5/2015 13 24	0 01	KWPII	0 017	18 541	AGC MAVG - calculated
3/5/2015 13 28	0 13	KWPII	0 220	20 352	AGC MAVG - calculated
3/5/2015 13 46	0 02	KWPII	0 002	20 553	AGC MAVG - calculated
3/5/2015 13 49	0 01	KWPII	0 001	20 612	AGC MAVG - calculated
3/5/2015 14 19	0 01	KWPII	0 008	20 226	AGC MAVG - calculated
3/5/2015 14 31	0 02	KWPII	0 010	20 587	AGC MAVG - calculated
3/5/2015 23 23	0 25	KWPII	0 939	20 696	AGC MAVG - calculated
3/6/2015 0 24	2 26	KWPII	38 605	20 677	AGC MAVG - calculated
3/6/2015 1 52	0 02	KWP	0 038	22 845	AGC MAVG - calculated
3/6/2015 1 58	0 18	KWP	0 793	25 753	AGC MAVG - calculated
3/6/2015 2 15	0 03	KWP	0 106	26 803	AGC MAVG - calculated
3/6/2015 2 19	0 15	KWP	0 471	27 490	AGC MAVG - calculated
3/6/2015 2 52	1 05	KWPII	11 149	20 398	AGC MAVG - calculated
3/6/2015 4 27	0 48	KWPII	3 844	20 014	AGC MAVG - calculated
3/6/2015 5 19	0 11	KWPII	0 514	20 321	AGC MAVG - calculated
3/6/2015 5 31	0 27	KWPII	2 201	20 297	AGC MAVG - calculated
3/6/2015 6 58	0 04	KWPII	0 075	19 886	AGC MAVG - calculated
3/6/2015 7 04	0 09	KWPII	0 159	19 503	AGC MAVG - calculated
3/6/2015 7 19	0 05	KWPII	0 024	20 395	AGC MAVG - calculated
3/6/2015 7 26	0 05	KWPII	0 035	20 503	AGC MAVG - calculated
3/6/2015 7 32	0 01	KWPII	0 007	20 099	AGC MAVG - calculated
3/6/2015 7 34	0 07	KWPII	0 099	20 464	AGC MAVG - calculated
3/6/2015 7 43	0 10	KWPII	0 129	20 447	AGC MAVG - calculated
3/6/2015 7 57	0 04	KWPII	0 063	20 147	AGC MAVG - calculated
3/6/2015 8 13	0 01	KWPII	0 007	20 630	AGC MAVG - calculated

Maui Electric

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/6/2015 9:26	0:01	AWE	0.000	0.007	AGC MAVG - calculated
3/6/2015 9:34	0:01	AWE	0.000	0.003	AGC MAVG - calculated
3/6/2015 11:02	0:01	KWPII	0.005	20.708	AGC MAVG - calculated
3/6/2015 12:11	0:08	KWPII	0.115	20.708	AGC MAVG - calculated
3/6/2015 12:20	0:04	KWPII	0.055	20.700	AGC MAVG - calculated
3/6/2015 12:36	0:01	KWPII	0.000	20.702	AGC MAVG - calculated
3/6/2015 12:38	0:04	KWPII	0.030	20.700	AGC MAVG - calculated
3/6/2015 12:45	0:01	KWPII	0.000	20.700	AGC MAVG - calculated
3/6/2015 12:55	0:39	KWPII	3.250	20.708	AGC MAVG - calculated
3/6/2015 13:37	0:01	KWPII	0.017	20.674	AGC MAVG - calculated
3/6/2015 13:41	0:04	KWPII	0.085	20.584	AGC MAVG - calculated
3/6/2015 13:48	0:02	KWPII	0.009	20.231	AGC MAVG - calculated
3/6/2015 14:55	0:03	KWPII	0.029	20.705	AGC MAVG - calculated
3/6/2015 15:00	0:01	KWPII	0.000	20.706	AGC MAVG - calculated
3/7/2015 0:31	5:11	KWPII	64.472	20.699	AGC MAVG - calculated
3/7/2015 10:53	0:02	KWPII	0.002	20.702	AGC MAVG - calculated
3/7/2015 12:03	0:01	KWPII	0.012	20.663	AGC MAVG - calculated
3/7/2015 12:38	0:01	KWPII	0.007	20.006	AGC MAVG - calculated
3/7/2015 12:55	0:01	KWPII	0.003	20.273	AGC MAVG - calculated
3/7/2015 13:27	0:01	KWPII	0.004	20.555	AGC MAVG - calculated
3/7/2015 13:32	0:01	KWPII	0.000	20.641	AGC MAVG - calculated
3/7/2015 13:39	0:01	KWPII	0.010	20.555	AGC MAVG - calculated
3/7/2015 13:42	0:03	KWPII	0.047	20.425	AGC MAVG - calculated
3/7/2015 13:48	0:01	KWPII	0.005	20.337	AGC MAVG - calculated
3/7/2015 13:59	0:01	KWPII	0.001	20.471	AGC MAVG - calculated
3/7/2015 15:17	0:01	KWPII	0.012	19.287	AGC MAVG - calculated
3/7/2015 16:25	0:02	KWPII	0.036	17.434	AGC MAVG - calculated
3/7/2015 16:47	0:02	KWPII	0.013	18.052	AGC MAVG - calculated
3/7/2015 22:25	0:01	KWPII	0.011	15.601	AGC MAVG - calculated
3/8/2015 1:07	0:02	KWPII	0.042	8.344	AGC MAVG - calculated
3/8/2015 1:18	0:02	KWPII	0.022	9.711	AGC MAVG - calculated
3/8/2015 1:21	0:01	KWPII	0.013	9.382	AGC MAVG - calculated
3/8/2015 1:28	0:02	KWPII	0.053	11.702	AGC MAVG - calculated
3/8/2015 1:34	0:07	KWPII	0.079	12.907	AGC MAVG - calculated
3/8/2015 1:45	0:07	KWPII	0.118	12.578	AGC MAVG - calculated
3/8/2015 1:53	0:04	KWPII	0.125	10.540	AGC MAVG - calculated
3/8/2015 2:02	0:04	KWPII	0.120	8.668	AGC MAVG - calculated
3/8/2015 2:18	0:02	KWPII	0.044	7.123	AGC MAVG - calculated
3/8/2015 2:25	0:02	KWPII	0.019	7.471	AGC MAVG - calculated
3/8/2015 2:37	0:01	KWPII	0.007	8.968	AGC MAVG - calculated
3/8/2015 2:48	0:01	KWPII	0.007	12.328	AGC MAVG - calculated
3/8/2015 2:50	0:03	KWPII	0.054	12.114	AGC MAVG - calculated
3/8/2015 2:58	0:04	KWPII	0.099	12.968	AGC MAVG - calculated
3/8/2015 3:01	0:08	KWPII	0.164	13.093	AGC MAVG - calculated
3/8/2015 3:11	0:03	KWPII	0.048	11.319	AGC MAVG - calculated
3/8/2015 3:15	0:09	KWPII	0.174	12.037	AGC MAVG - calculated
3/8/2015 3:27	0:01	KWPII	0.011	10.023	AGC MAVG - calculated
3/8/2015 3:31	0:03	KWPII	0.043	11.886	AGC MAVG - calculated
3/8/2015 3:35	0:01	KWPII	0.013	12.063	AGC MAVG - calculated
3/8/2015 3:37	0:01	KWPII	0.015	12.373	AGC MAVG - calculated
3/8/2015 3:39	0:01	KWPII	0.008	12.494	AGC MAVG - calculated
3/8/2015 3:42	0:03	KWPII	0.072	12.938	AGC MAVG - calculated
3/8/2015 3:50	0:08	KWPII	0.213	14.725	AGC MAVG - calculated
3/8/2015 3:59	0:10	KWPII	0.216	13.583	AGC MAVG - calculated
3/8/2015 8:14	0:01	KWPII	0.010	15.304	AGC MAVG - calculated
3/8/2015 23:16	0:01	KWPII	0.000	8.057	AGC MAVG - calculated
3/8/2015 23:21	0:03	KWPII	0.040	8.121	AGC MAVG - calculated
3/8/2015 23:27	0:03	KWPII	0.039	7.149	AGC MAVG - calculated
3/8/2015 23:32	0:04	KWPII	0.044	5.533	AGC MAVG - calculated
3/8/2015 23:44	0:02	KWPII	0.008	5.127	AGC MAVG - calculated
3/9/2015 0:06	0:01	KWP	0.000	0.007	AGC MAVG - calculated
3/9/2015 0:13	0:01	KWPII	0.007	7.249	AGC MAVG - calculated
3/9/2015 0:20	0:01	KWPII	0.006	7.454	AGC MAVG - calculated
3/9/2015 0:23	0:01	KWPII	0.006	7.297	AGC MAVG - calculated
3/9/2015 0:27	0:02	KWPII	0.008	8.351	AGC MAVG - calculated
3/9/2015 0:37	0:08	KWPII	0.083	11.297	AGC MAVG - calculated
3/9/2015 0:48	0:11	KWPII	0.202	12.301	AGC MAVG - calculated
3/9/2015 1:04	0:05	KWPII	0.117	9.420	AGC MAVG - calculated
3/9/2015 1:17	0:02	KWPII	0.037	9.764	AGC MAVG - calculated
3/9/2015 1:20	0:01	KWPII	0.009	8.254	AGC MAVG - calculated
3/9/2015 1:22	0:01	KWPII	0.009	8.069	AGC MAVG - calculated
3/9/2015 1:28	0:01	KWPII	0.018	7.913	AGC MAVG - calculated
3/9/2015 1:32	0:03	KWPII	0.058	7.814	AGC MAVG - calculated
3/9/2015 1:36	0:01	KWPII	0.009	5.760	AGC MAVG - calculated
3/9/2015 1:42	0:05	KWPII	0.039	5.657	AGC MAVG - calculated
3/9/2015 2:30	0:03	KWPII	0.040	7.770	AGC MAVG - calculated
3/9/2015 2:38	0:01	KWPII	0.003	7.945	AGC MAVG - calculated
3/9/2015 2:42	0:01	KWPII	0.012	8.443	AGC MAVG - calculated
3/9/2015 2:49	0:05	KWPII	0.090	8.356	AGC MAVG - calculated
3/9/2015 2:57	0:03	KWPII	0.025	5.943	AGC MAVG - calculated
3/9/2015 3:05	0:02	KWPII	0.027	7.481	AGC MAVG - calculated
3/9/2015 3:09	0:03	KWPII	0.066	7.068	AGC MAVG - calculated
3/9/2015 5:36	0:05	KWPII	0.065	7.660	AGC MAVG - calculated
3/9/2015 5:54	0:01	KWPII	0.007	5.647	AGC MAVG - calculated
3/9/2015 6:01	0:03	KWPII	0.051	5.026	AGC MAVG - calculated
3/9/2015 6:08	0:01	KWPII	0.002	7.120	AGC MAVG - calculated
3/9/2015 6:08	0:06	KWPII	0.057	7.475	AGC MAVG - calculated
3/9/2015 6:18	0:03	KWPII	0.039	6.824	AGC MAVG - calculated
3/9/2015 6:21	0:01	KWPII	0.005	6.130	AGC MAVG - calculated
3/9/2015 6:32	0:01	KWPII	0.011	7.498	AGC MAVG - calculated
3/9/2015 6:36	0:01	KWPII	0.021	7.473	AGC MAVG - calculated
3/9/2015 6:41	0:01	KWPII	0.004	7.208	AGC MAVG - calculated
3/9/2015 6:44	0:03	KWPII	0.062	6.546	AGC MAVG - calculated
3/9/2015 9:02	0:02	KWPII	0.025	6.492	AGC MAVG - calculated
3/9/2015 9:14	0:02	KWPII	0.035	6.962	AGC MAVG - calculated
3/9/2015 9:20	0:01	KWPII	0.014	5.359	AGC MAVG - calculated
3/9/2015 9:36	0:01	KWPII	0.008	5.352	AGC MAVG - calculated
3/9/2015 10:31	0:01	KWPII	0.007	5.399	AGC MAVG - calculated
3/9/2015 10:38	0:01	KWPII	0.001	5.555	AGC MAVG - calculated
3/9/2015 11:05	0:01	KWPII	0.018	10.228	AGC MAVG - calculated
3/9/2015 11:08	0:03	KWPII	0.045	9.634	AGC MAVG - calculated
3/9/2015 11:18	0:05	KWPII	0.078	9.787	AGC MAVG - calculated
3/9/2015 11:28	0:02	KWPII	0.023	7.752	AGC MAVG - calculated
3/9/2015 11:38	0:03	KWPII	0.034	8.569	AGC MAVG - calculated
3/9/2015 11:42	0:02	KWPII	0.032	8.739	AGC MAVG - calculated
3/9/2015 12:01	0:05	KWPII	0.065	10.362	AGC MAVG - calculated
3/9/2015 12:10	0:03	KWPII	0.065	10.474	AGC MAVG - calculated
3/9/2015 12:14	0:01	KWPII	0.007	8.313	AGC MAVG - calculated
3/9/2015 12:18	0:02	KWPII	0.062	11.083	AGC MAVG - calculated
3/9/2015 12:24	0:05	KWPII	0.145	11.043	AGC MAVG - calculated
3/9/2015 12:36	0:08	KWPII	0.112	9.988	AGC MAVG - calculated
3/9/2015 13:01	0:02	KWPII	0.010	8.156	AGC MAVG - calculated
3/9/2015 13:04	0:01	KWPII	0.008	7.401	AGC MAVG - calculated
3/9/2015 13:17	0:01	KWPII	0.018	7.636	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/9/2015 13:22	0:01	KWPII	0.012	7,347	AGC MAVG - calculated
3/9/2015 13:31	0:05	KWPII	0.107	9,786	AGC MAVG - calculated
3/9/2015 13:43	0:01	KWPII	0.009	8,741	AGC MAVG - calculated
3/9/2015 13:48	0:04	KWPII	0.059	8,372	AGC MAVG - calculated
3/9/2015 13:57	0:01	KWPII	0.013	8,366	AGC MAVG - calculated
3/9/2015 14:00	0:01	KWPII	0.016	7,430	AGC MAVG - calculated
3/9/2015 14:14	0:01	KWPII	0.007	8,956	AGC MAVG - calculated
3/9/2015 14:19	0:01	KWPII	0.006	8,415	AGC MAVG - calculated
3/9/2015 14:24	0:03	KWPII	0.050	9,500	AGC MAVG - calculated
3/9/2015 14:30	0:02	KWPII	0.024	7,718	AGC MAVG - calculated
3/9/2015 14:36	0:03	KWPII	0.051	8,679	AGC MAVG - calculated
3/9/2015 14:43	0:02	KWPII	0.015	9,115	AGC MAVG - calculated
3/9/2015 14:52	0:03	KWPII	0.022	11,024	AGC MAVG - calculated
3/9/2015 15:29	0:01	KWP	0.000	0,006	AGC MAVG - calculated
3/10/2015 2:21	0:04	KWPII	0.050	9,122	AGC MAVG - calculated
3/10/2015 2:29	0:02	KWPII	0.029	10,014	AGC MAVG - calculated
3/10/2015 2:34	0:04	KWPII	0.063	9,626	AGC MAVG - calculated
3/10/2015 2:40	0:02	KWPII	0.017	8,779	AGC MAVG - calculated
3/10/2015 2:45	0:04	KWPII	0.057	9,568	AGC MAVG - calculated
3/10/2015 2:52	0:04	KWPII	0.051	10,548	AGC MAVG - calculated
3/10/2015 2:59	0:03	KWPII	0.074	10,684	AGC MAVG - calculated
3/10/2015 3:05	0:02	KWPII	0.022	10,852	AGC MAVG - calculated
3/10/2015 3:08	0:12	KWPII	0.197	12,016	AGC MAVG - calculated
3/10/2015 3:22	0:10	KWPII	0.155	12,361	AGC MAVG - calculated
3/10/2015 3:33	0:35	KWPII	0.671	14,983	AGC MAVG - calculated
3/10/2015 4:09	0:04	KWPII	0.116	11,180	AGC MAVG - calculated
3/10/2015 4:15	0:06	KWPII	0.102	9,706	AGC MAVG - calculated
3/10/2015 4:28	0:04	KWPII	0.073	10,478	AGC MAVG - calculated
3/10/2015 4:34	0:03	KWPII	0.042	8,879	AGC MAVG - calculated
3/10/2015 4:45	0:04	KWPII	0.039	9,594	AGC MAVG - calculated
3/10/2015 5:07	0:08	KWPII	0.152	10,361	AGC MAVG - calculated
3/10/2015 5:18	0:17	KWPII	0.220	10,094	AGC MAVG - calculated
3/10/2015 5:38	0:07	KWPII	0.084	8,260	AGC MAVG - calculated
3/10/2015 5:45	0:02	KWPII	0.016	7,857	AGC MAVG - calculated
3/10/2015 5:55	0:03	KWPII	0.049	8,349	AGC MAVG - calculated
3/10/2015 6:00	0:02	KWPII	0.030	7,820	AGC MAVG - calculated
3/10/2015 6:07	0:01	KWPII	0.010	6,986	AGC MAVG - calculated
3/10/2015 6:13	0:03	KWPII	0.028	8,370	AGC MAVG - calculated
3/10/2015 6:22	0:01	KWPII	0.005	9,281	AGC MAVG - calculated
3/10/2015 6:25	0:02	KWPII	0.025	9,663	AGC MAVG - calculated
3/10/2015 6:31	0:04	KWPII	0.103	10,356	AGC MAVG - calculated
3/10/2015 6:36	0:01	KWPII	0.009	8,466	AGC MAVG - calculated
3/10/2015 6:38	0:03	KWPII	0.049	8,825	AGC MAVG - calculated
3/10/2015 6:40	0:03	KWPII	0.003	12,014	AGC MAVG - calculated
3/10/2015 6:47	0:08	KWPII	0.143	13,095	AGC MAVG - calculated
3/10/2015 6:54	0:04	KWPII	0.087	12,239	AGC MAVG - calculated
3/10/2015 9:07	0:23	KWPII	0.556	14,939	AGC MAVG - calculated
3/10/2015 9:33	0:44	KWPII	1.024	15,895	AGC MAVG - calculated
3/10/2015 10:18	1:43	KWPII	2.919	17,530	AGC MAVG - calculated
3/10/2015 12:02	0:01	KWPII	0.018	15,126	AGC MAVG - calculated
3/10/2015 12:04	0:31	KWPII	0.873	15,983	AGC MAVG - calculated
3/10/2015 12:36	0:19	KWPII	0.464	14,902	AGC MAVG - calculated
3/10/2015 12:57	0:11	KWPII	0.335	13,809	AGC MAVG - calculated
3/10/2015 13:11	0:07	KWPII	0.113	10,879	AGC MAVG - calculated
3/10/2015 13:23	0:02	KWPII	0.034	9,656	AGC MAVG - calculated
3/10/2015 13:28	0:01	KWPII	0.015	9,025	AGC MAVG - calculated
3/10/2015 13:33	0:03	KWPII	0.048	10,855	AGC MAVG - calculated
3/10/2015 13:38	0:02	KWPII	0.023	9,943	AGC MAVG - calculated
3/10/2015 13:43	0:06	KWPII	0.121	10,552	AGC MAVG - calculated
3/10/2015 13:50	0:01	KWPII	0.014	7,423	AGC MAVG - calculated
3/10/2015 13:59	0:01	KWPII	0.009	7,740	AGC MAVG - calculated
3/10/2015 14:06	0:01	KWPII	0.007	7,708	AGC MAVG - calculated
3/10/2015 14:18	0:01	KWPII	0.003	7,946	AGC MAVG - calculated
3/10/2015 14:20	0:03	KWPII	0.103	10,739	AGC MAVG - calculated
3/10/2015 14:28	0:05	KWPII	0.151	11,079	AGC MAVG - calculated
3/10/2015 14:33	0:02	KWPII	0.016	8,521	AGC MAVG - calculated
3/10/2015 14:37	0:03	KWPII	0.028	8,537	AGC MAVG - calculated
3/10/2015 14:41	0:03	KWPII	0.029	8,364	AGC MAVG - calculated
3/10/2015 14:47	0:02	KWPII	0.028	8,938	AGC MAVG - calculated
3/10/2015 14:52	0:04	KWPII	0.143	10,844	AGC MAVG - calculated
3/10/2015 14:59	0:02	KWPII	0.016	8,495	AGC MAVG - calculated
3/10/2015 15:04	0:07	KWPII	0.126	9,973	AGC MAVG - calculated
3/10/2015 15:12	0:02	KWPII	0.020	8,917	AGC MAVG - calculated
3/10/2015 15:18	0:05	KWPII	0.084	7,939	AGC MAVG - calculated
3/10/2015 15:29	0:02	KWPII	0.021	7,434	AGC MAVG - calculated
3/10/2015 15:35	0:03	KWPII	0.065	7,630	AGC MAVG - calculated
3/10/2015 15:42	0:01	KWPII	0.010	6,163	AGC MAVG - calculated
3/10/2015 15:47	0:01	KWPII	0.013	7,562	AGC MAVG - calculated
3/10/2015 15:49	0:04	KWPII	0.065	7,521	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 15:58	0:01	KWPII	0.010	6,162	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:02	0:02	KWPII	0.037	6,205	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:13	0:03	KWPII	0.046	6,690	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:21	0:03	KWPII	0.029	7,154	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:26	0:03	KWPII	0.026	6,460	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:31	0:04	KWPII	0.037	4,920	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:40	0:04	KWPII	0.049	4,377	AGC MAVG - calculated and Good Engineering and Operating Practices
3/10/2015 16:54	0:02	KWPII	0.011	1,794	AGC MAVG - calculated
3/10/2015 17:32	0:02	KWPII	0.007	1,749	AGC MAVG - calculated
3/10/2015 19:30	0:02	KWPII	0.009	2,815	AGC MAVG - calculated
3/10/2015 19:41	0:01	KWPII	0.006	2,684	AGC MAVG - calculated
3/10/2015 19:46	0:02	KWPII	0.027	3,079	AGC MAVG - calculated
3/10/2015 19:53	0:02	KWPII	0.026	3,079	AGC MAVG - calculated
3/10/2015 20:00	0:02	KWPII	0.029	4,839	AGC MAVG - calculated
3/10/2015 20:09	0:03	KWPII	0.037	4,751	AGC MAVG - calculated
3/10/2015 20:16	0:06	KWPII	0.048	4,181	AGC MAVG - calculated
3/10/2015 20:40	0:01	KWPII	0.008	2,787	AGC MAVG - calculated
3/10/2015 20:59	0:01	KWPII	0.004	1,790	AGC MAVG - calculated
3/10/2015 22:30	0:05	KWPII	0.049	9,658	AGC MAVG - calculated
3/10/2015 22:40	0:04	KWPII	0.081	12,428	AGC MAVG - calculated
3/10/2015 22:51	0:08	KWPII	0.110	10,609	AGC MAVG - calculated
3/10/2015 23:00	0:04	KWPII	0.054	8,728	AGC MAVG - calculated
3/10/2015 23:08	0:07	KWPII	0.124	9,141	AGC MAVG - calculated
3/10/2015 23:17	0:11	KWPII	0.204	6,852	AGC MAVG - calculated
3/11/2015 1:39	0:07	AWE	0.264	16,120	AGC MAVG - calculated
3/11/2015 8:16	0:03	KWPII	0.073	4,458	AGC MAVG - calculated
3/11/2015 9:32	0:02	KWPII	0.019	1,703	AGC MAVG - calculated
3/11/2015 9:41	0:01	KWPII	0.021	4,399	AGC MAVG - calculated
3/11/2015 9:48	0:01	KWPII	0.001	4,908	AGC MAVG - calculated
3/11/2015 9:53	0:02	KWPII	0.054	4,007	AGC MAVG - calculated
3/11/2015 10:23	0:02	KWPII	0.025	5,022	AGC MAVG - calculated
3/11/2015 10:43	0:03	KWPII	0.047	8,454	AGC MAVG - calculated
3/11/2015 10:50	0:01	KWPII	0.008	3,581	AGC MAVG - calculated
3/11/2015 11:15	0:08	KWPII	0.152	7,462	AGC MAVG - calculated
3/11/2015 11:47	0:03	KWPII	0.125	12,184	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/11/2015 11:51	0:12	KWPII	0.792	18.981	AGC MAVG - calculated
3/11/2015 12:11	0:03	KWPII	0.041	8.240	AGC MAVG - calculated
3/11/2015 12:23	0:02	KWPII	0.033	5.355	AGC MAVG - calculated
3/11/2015 12:35	0:05	KWPII	0.132	16.617	AGC MAVG - calculated
3/11/2015 12:56	0:04	KWPII	0.144	15.893	AGC MAVG - calculated
3/11/2015 14:08	0:01	KWPII	0.020	8.143	AGC MAVG - calculated
3/11/2015 14:39	0:01	KWPII	0.007	6.833	AGC MAVG - calculated
3/11/2015 14:43	0:04	KWPII	0.148	9.041	AGC MAVG - calculated
3/11/2015 15:08	0:01	KWPII	0.009	1.976	AGC MAVG - calculated
3/11/2015 15:24	0:03	KWPII	0.056	5.167	AGC MAVG - calculated
3/11/2015 15:42	0:02	KWPII	0.050	4.768	AGC MAVG - calculated
3/11/2015 15:54	0:03	KWPII	0.040	7.830	AGC MAVG - calculated
3/11/2015 16:06	0:03	KWPII	0.083	15.764	AGC MAVG - calculated
3/11/2015 16:10	0:01	KWPII	0.013	17.329	AGC MAVG - calculated
3/11/2015 16:28	0:03	KWPII	0.060	12.581	AGC MAVG - calculated
3/11/2015 16:33	0:02	KWPII	0.049	11.805	AGC MAVG - calculated
3/11/2015 16:39	0:06	KWPII	0.219	18.164	AGC MAVG - calculated
3/11/2015 16:46	0:05	KWPII	0.189	11.738	AGC MAVG - calculated
3/11/2015 16:53	0:03	KWPII	0.077	8.144	AGC MAVG - calculated
3/11/2015 17:01	0:02	KWPII	0.040	6.745	AGC MAVG - calculated
3/11/2015 17:04	0:02	KWPII	0.034	5.405	AGC MAVG - calculated
3/11/2015 17:27	0:01	KWPII	0.008	14.137	AGC MAVG - calculated
3/11/2015 17:31	0:06	KWPII	0.205	15.789	AGC MAVG - calculated
3/11/2015 17:41	0:02	KWPII	0.043	8.456	AGC MAVG - calculated
3/11/2015 17:47	0:09	KWPII	0.157	9.593	AGC MAVG - calculated
3/11/2015 17:58	0:10	KWPII	0.105	5.242	AGC MAVG - calculated
3/11/2015 18:11	0:04	KWPII	0.057	6.579	AGC MAVG - calculated
3/11/2015 18:23	0:01	KWPII	0.012	12.088	AGC MAVG - calculated
3/11/2015 18:25	0:04	KWPII	0.094	14.781	AGC MAVG - calculated
3/11/2015 18:32	0:08	KWPII	0.238	15.948	AGC MAVG - calculated
3/11/2015 18:49	0:19	KWPII	0.471	12.769	AGC MAVG - calculated
3/11/2015 19:11	0:03	KWPII	0.031	4.055	AGC MAVG - calculated
3/11/2015 19:15	0:05	KWPII	0.050	3.734	AGC MAVG - calculated
3/11/2015 19:38	0:05	KWPII	0.082	8.139	AGC MAVG - calculated
3/11/2015 19:47	0:03	KWPII	0.027	4.213	AGC MAVG - calculated
3/11/2015 19:56	0:34	KWPII	1.013	15.199	AGC MAVG - calculated
3/11/2015 20:34	0:04	KWPII	0.162	10.162	AGC MAVG - calculated
3/11/2015 20:42	0:04	KWPII	0.058	5.974	AGC MAVG - calculated
3/11/2015 21:03	0:06	KWPII	0.089	8.827	AGC MAVG - calculated
3/11/2015 21:11	0:02	KWPII	0.045	5.845	AGC MAVG - calculated
3/11/2015 21:43	0:07	KWPII	0.168	7.367	AGC MAVG - calculated
3/11/2015 22:57	0:03	KWPII	0.127	7.362	AGC MAVG - calculated
3/11/2015 23:11	0:04	KWPII	0.074	3.970	AGC MAVG - calculated
3/11/2015 23:44	0:01	KWPII	0.009	2.663	AGC MAVG - calculated
3/11/2015 23:56	0:09	KWPII	0.231	10.718	AGC MAVG - calculated
3/12/2015 0:09	0:03	KWPII	0.054	4.552	AGC MAVG - calculated
3/12/2015 2:46	0:03	KWPII	0.053	8.318	AGC MAVG - calculated
3/12/2015 2:51	0:06	KWPII	0.083	5.157	AGC MAVG - calculated
3/12/2015 2:58	0:03	KWPII	0.047	4.769	AGC MAVG - calculated
3/12/2015 3:13	0:02	KWPII	0.013	3.484	AGC MAVG - calculated
3/12/2015 8:11	0:30	KWP	0.117	1.773	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 8:34	0:07	AWE	0.058	1.027	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 9:28	0:01	AWE	0.001	0.400	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 10:55	0:02	AWE	0.003	2.270	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 10:58	0:05	AWE	0.005	2.953	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 11:04	0:13	AWE	0.015	3.960	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 11:18	0:23	AWE	0.043	5.990	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 11:43	0:25	AWE	0.065	6.987	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 12:09	0:08	AWE	0.005	2.743	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 12:17	0:18	AWE	0.025	4.587	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 12:36	1:25	AWE	0.269	9.820	AGC MAVG - calculated and Good Engineering and Operating Practices
3/12/2015 20:32	0:01	AWE	0.000	0.007	AGC MAVG - calculated
3/12/2015 22:33	0:01	KWPII	0.002	0.937	AGC MAVG - calculated
3/12/2015 22:41	0:03	KWPII	0.018	1.578	AGC MAVG - calculated
3/12/2015 22:47	0:08	KWPII	0.044	1.737	AGC MAVG - calculated
3/12/2015 23:01	0:14	KWPII	0.085	3.385	AGC MAVG - calculated
3/12/2015 23:19	0:10	KWPII	0.118	3.571	AGC MAVG - calculated
3/13/2015 0:01	0:01	KWPII	0.002	1.537	AGC MAVG - calculated
3/13/2015 0:04	0:39	KWPII	0.189	2.239	AGC MAVG - calculated
3/13/2015 0:47	0:07	KWPII	0.058	1.886	AGC MAVG - calculated
3/13/2015 0:58	0:01	KWPII	0.001	1.113	AGC MAVG - calculated
3/13/2015 1:00	0:08	KWPII	0.033	1.282	AGC MAVG - calculated
3/13/2015 1:09	0:05	KWPII	0.024	1.319	AGC MAVG - calculated
3/13/2015 1:19	0:01	KWPII	0.006	0.568	AGC MAVG - calculated
3/13/2015 1:23	0:07	KWPII	0.010	1.231	AGC MAVG - calculated
3/13/2015 3:43	0:05	KWPII	0.057	3.878	AGC MAVG - calculated
3/13/2015 3:50	0:09	KWPII	0.073	2.540	AGC MAVG - calculated
3/13/2015 4:00	0:07	KWPII	0.078	4.154	AGC MAVG - calculated
3/13/2015 4:08	0:01	KWPII	0.001	3.842	AGC MAVG - calculated
3/13/2015 4:11	0:06	KWPII	0.084	8.320	AGC MAVG - calculated
3/13/2015 4:19	0:27	KWPII	0.440	7.784	AGC MAVG - calculated
3/13/2015 6:38	0:02	KWPII	0.039	12.825	AGC MAVG - calculated
3/13/2015 7:01	0:01	KWPII	0.007	17.319	AGC MAVG - calculated
3/13/2015 7:07	0:03	KWPII	0.037	18.014	AGC MAVG - calculated
3/13/2015 7:14	0:01	KWPII	0.025	18.744	AGC MAVG - calculated
3/13/2015 7:25	0:03	KWPII	0.042	17.907	AGC MAVG - calculated
3/13/2015 7:34	0:01	KWPII	0.017	18.170	AGC MAVG - calculated
3/13/2015 7:39	0:01	KWPII	0.003	18.669	AGC MAVG - calculated
3/13/2015 7:43	0:09	KWPII	0.084	18.856	AGC MAVG - calculated
3/13/2015 7:53	0:01	KWPII	0.005	18.326	AGC MAVG - calculated
3/13/2015 7:55	0:07	KWPII	0.056	18.608	AGC MAVG - calculated
3/13/2015 8:03	0:01	KWPII	0.007	18.755	AGC MAVG - calculated
3/13/2015 8:06	0:10	KWPII	0.077	18.936	AGC MAVG - calculated
3/13/2015 8:18	0:05	KWPII	0.058	18.940	AGC MAVG - calculated
3/13/2015 8:25	1:04	KWPII	1.748	18.772	AGC MAVG - calculated
3/13/2015 9:31	0:10	KWPII	0.098	18.931	AGC MAVG - calculated
3/13/2015 9:44	0:05	KWPII	0.056	19.101	AGC MAVG - calculated
3/13/2015 9:50	0:09	KWPII	0.085	18.958	AGC MAVG - calculated
3/13/2015 10:00	0:01	KWPII	0.001	18.731	AGC MAVG - calculated
3/13/2015 10:03	0:05	KWPII	0.036	18.973	AGC MAVG - calculated
3/13/2015 10:08	0:01	AWE	0.000	0.003	AGC MAVG - calculated
3/13/2015 10:09	0:03	KWPII	0.016	19.096	AGC MAVG - calculated
3/13/2015 10:14	0:02	KWPII	0.018	19.100	AGC MAVG - calculated
3/13/2015 10:19	0:02	KWPII	0.016	19.097	AGC MAVG - calculated
3/13/2015 10:22	0:02	KWPII	0.013	19.083	AGC MAVG - calculated
3/13/2015 10:28	0:03	KWPII	0.004	19.194	AGC MAVG - calculated
3/13/2015 10:33	0:18	KWPII	0.421	19.195	AGC MAVG - calculated
3/13/2015 10:52	0:01	KWPII	0.000	19.190	AGC MAVG - calculated
3/13/2015 10:54	0:01	KWPII	0.000	19.195	AGC MAVG - calculated
3/13/2015 11:07	0:05	KWPII	0.036	19.201	AGC MAVG - calculated
3/13/2015 11:19	3:08	KWPII	19.882	20.599	AGC MAVG - calculated
3/13/2015 11:22	0:01	AWE	0.000	0.013	AGC MAVG - calculated
3/13/2015 14:32	0:01	KWPII	0.000	19.177	AGC MAVG - calculated
3/13/2015 14:35	0:12	KWPII	0.053	19.183	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/13/2015 14 48	0 15	KWPII	0 248	20 851	AGC MAVG - calculated
3/13/2015 15 09	0 03	KWPII	0 067	20 801	AGC MAVG - calculated
3/13/2015 15 19	0 06	KWPII	0 068	20 588	AGC MAVG - calculated
3/13/2015 15 26	0 02	KWPII	0 003	20 616	AGC MAVG - calculated
3/13/2015 15 30	0 01	KWPII	0 007	20 487	AGC MAVG - calculated
3/13/2015 15 32	0 02	KWPII	0 029	20 584	AGC MAVG - calculated
3/13/2015 15 35	0 10	KWPII	0 141	20 270	AGC MAVG - calculated
3/13/2015 15 46	0 04	KWPII	0 022	20 532	AGC MAVG - calculated
3/13/2015 15 52	0 02	KWPII	0 036	20 395	AGC MAVG - calculated
3/13/2015 15 55	0 07	KWPII	0 093	20 504	AGC MAVG - calculated
3/13/2015 16 03	0 02	KWPII	0 010	20 339	AGC MAVG - calculated
3/13/2015 16 07	0 04	KWPII	0 037	20 566	AGC MAVG - calculated
3/13/2015 16 12	0 01	KWPII	0 001	20 588	AGC MAVG - calculated
3/13/2015 16 15	0 13	KWPII	0 227	20 537	AGC MAVG - calculated
3/13/2015 16 33	0 06	KWPII	0 082	19 511	AGC MAVG - calculated
3/13/2015 16 41	0 01	KWPII	0 008	19 348	AGC MAVG - calculated
3/13/2015 16 44	0 01	KWPII	0 005	19 819	AGC MAVG - calculated
3/13/2015 16 48	0 19	KWPII	0 287	20 020	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 06	0 03	KWPII	0 037	19 668	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 11	0 04	KWPII	0 045	19 299	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 17	0 02	KWPII	0 031	19 022	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 20	0 02	KWPII	0 011	19 208	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 23	0 08	KWPII	0 136	19 227	AGC MAVG - calculated and Good Engineering and Operating Practices
3/13/2015 17 33	0 02	KWPII	0 009	20 182	AGC MAVG - calculated
3/13/2015 17 37	0 02	KWPII	0 009	20 568	AGC MAVG - calculated
3/13/2015 17 40	0 02	KWPII	0 007	20 466	AGC MAVG - calculated
3/13/2015 17 43	0 06	KWPII	0 043	20 469	AGC MAVG - calculated
3/13/2015 17 50	0 04	KWPII	0 032	20 184	AGC MAVG - calculated
3/13/2015 17 55	0 09	KWPII	0 093	20 553	AGC MAVG - calculated
3/13/2015 18 06	0 03	KWPII	0 049	19 801	AGC MAVG - calculated
3/13/2015 18 10	0 04	KWPII	0 054	19 404	AGC MAVG - calculated
3/13/2015 18 18	0 09	KWPII	0 097	20 112	AGC MAVG - calculated
3/13/2015 18 28	0 02	KWPII	0 030	20 057	AGC MAVG - calculated
3/13/2015 18 30	0 06	KWPII	0 068	20 363	AGC MAVG - calculated
3/13/2015 18 37	4 37	KWPII	5 411	20 706	AGC MAVG - calculated
3/13/2015 23 15	8 50	KWPII	87 702	20 708	AGC MAVG - calculated
3/14/2015 8 46	0 01	KWPII	0 001	20 685	AGC MAVG - calculated
3/14/2015 9 05	0 01	KWPII	0 002	20 696	AGC MAVG - calculated
3/14/2015 9 22	0 01	KWPII	0 002	20 699	AGC MAVG - calculated
3/14/2015 10 10	0 07	KWPII	0 064	20 705	AGC MAVG - calculated
3/14/2015 10 23	3 49	KWPII	59 804	20 685	AGC MAVG - calculated
3/14/2015 11 04	0 50	AWE	6 265	21 000	AGC MAVG - calculated
3/14/2015 12 03	0 03	AWE	0 147	20 010	AGC MAVG - calculated
3/14/2015 12 17	0 05	AWE	0 068	21 000	AGC MAVG - calculated
3/14/2015 12 24	0 05	AWE	0 114	21 000	AGC MAVG - calculated
3/14/2015 12 30	1 39	AWE	7 876	21 000	AGC MAVG - calculated
3/14/2015 14 10	0 01	AWE	0 005	15 067	AGC MAVG - calculated
3/14/2015 14 13	0 02	AWE	0 023	18 520	AGC MAVG - calculated
3/14/2015 14 14	0 21	KWPII	4 225	14 882	AGC MAVG - calculated
3/14/2015 14 18	0 14	AWE	0 382	21 000	AGC MAVG - calculated
3/14/2015 14 38	0 24	KWPII	2 821	15 069	AGC MAVG - calculated
3/14/2015 15 07	0 03	KWPII	0 111	15 892	AGC MAVG - calculated
3/14/2015 15 14	0 03	KWPII	0 095	18 018	AGC MAVG - calculated
3/14/2015 15 20	0 06	KWPII	0 158	18 338	AGC MAVG - calculated
3/14/2015 15 27	0 04	KWPII	0 115	18 705	AGC MAVG - calculated
3/14/2015 15 32	0 02	KWPII	0 020	17 706	AGC MAVG - calculated
3/14/2015 15 35	3 27	KWPII	8 240	20 465	AGC MAVG - calculated
3/14/2015 19 03	1 19	KWPII	1 735	20 272	AGC MAVG - calculated
3/14/2015 20 23	0 03	KWPII	0 004	20 275	AGC MAVG - calculated
3/14/2015 20 27	0 19	KWPII	0 128	20 232	AGC MAVG - calculated
3/14/2015 20 49	0 02	KWPII	0 008	20 374	AGC MAVG - calculated
3/14/2015 20 52	0 09	KWPII	0 025	20 377	AGC MAVG - calculated
3/14/2015 21 02	0 09	KWPII	0 069	20 202	AGC MAVG - calculated
3/14/2015 21 12	0 06	KWPII	0 053	20 274	AGC MAVG - calculated
3/14/2015 21 19	0 02	KWPII	0 006	20 178	AGC MAVG - calculated
3/14/2015 21 22	0 09	KWPII	0 103	20 145	AGC MAVG - calculated
3/14/2015 21 35	0 04	KWPII	0 016	20 403	AGC MAVG - calculated
3/14/2015 21 40	0 02	KWPII	0 013	20 316	AGC MAVG - calculated
3/14/2015 21 43	7 30	KWPII	9 248	20 290	AGC MAVG - calculated
3/15/2015 5 24	0 06	KWPII	0 050	4 177	AGC MAVG - calculated
3/15/2015 5 36	0 09	KWPII	0 062	4 747	AGC MAVG - calculated
3/15/2015 6 05	0 04	KWPII	0 045	6 124	AGC MAVG - calculated
3/15/2015 6 27	0 02	KWPII	0 037	10 255	AGC MAVG - calculated
3/15/2015 6 44	0 01	KWPII	0 002	12 999	AGC MAVG - calculated
3/15/2015 6 47	0 06	KWPII	0 090	13 414	AGC MAVG - calculated
3/15/2015 6 59	0 01	KWPII	0 012	9 747	AGC MAVG - calculated
3/15/2015 7 58	0 01	KWPII	0 008	5 418	AGC MAVG - calculated
3/15/2015 8 20	0 27	KWPII	0 243	5 001	AGC MAVG - calculated
3/15/2015 8 48	0 02	KWPII	0 011	7 364	AGC MAVG - calculated
3/15/2015 8 55	0 01	KWPII	0 016	9 433	AGC MAVG - calculated
3/15/2015 9 02	0 01	KWPII	0 019	10 149	AGC MAVG - calculated
3/15/2015 9 10	0 02	KWPII	0 044	10 433	AGC MAVG - calculated
3/15/2015 9 14	0 02	KWPII	0 025	11 458	AGC MAVG - calculated
3/15/2015 9 20	0 03	KWPII	0 076	11 325	AGC MAVG - calculated
3/15/2015 9 27	0 02	KWPII	0 014	9 570	AGC MAVG - calculated
3/15/2015 10 11	0 02	KWPII	0 032	5 431	AGC MAVG - calculated and Good Engineering and Operating Practices
3/15/2015 10 18	0 01	KWPII	0 025	4 534	AGC MAVG - calculated and Good Engineering and Operating Practices
3/15/2015 10 53	0 01	KWPII	0 009	4 357	AGC MAVG - calculated
3/15/2015 11 47	0 05	KWPII	0 150	7 865	AGC MAVG - calculated
3/15/2015 11 54	0 20	KWPII	0 810	10 449	AGC MAVG - calculated
3/15/2015 12 25	0 03	KWPII	0 045	10 493	AGC MAVG - calculated
3/15/2015 12 30	0 05	KWPII	0 120	11 604	AGC MAVG - calculated
3/15/2015 12 39	0 05	KWPII	0 202	13 078	AGC MAVG - calculated
3/15/2015 13 11	0 20	KWPII	0 909	14 272	AGC MAVG - calculated
3/15/2015 14 23	0 04	KWPII	0 109	13 516	AGC MAVG - calculated
3/15/2015 14 28	0 04	KWPII	0 069	12 005	AGC MAVG - calculated
3/15/2015 14 36	0 21	KWPII	1 576	14 829	AGC MAVG - calculated
3/15/2015 16 46	0 01	KWPII	0 040	17 982	AGC MAVG - calculated
3/15/2015 20 20	0 01	KWPII	0 005	14 868	AGC MAVG - calculated
3/15/2015 22 23	0 01	KWPII	0 012	3 813	AGC MAVG - calculated
3/15/2016 23 09	0 01	KWPII	0 002	2 263	AGC MAVG - calculated
3/16/2015 7 56	0 01	AWE	0 004	1 200	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 7 58	0 02	AWE	0 011	1 733	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 01	0 01	AWE	0 006	1 883	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 04	0 01	AWE	0 010	2 327	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 08	0 03	AWE	0 026	2 360	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 10	0 02	AWE	0 010	1 863	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 15	0 02	AWE	0 009	1 667	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 19	0 01	AWE	0 004	1 500	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 21	0 01	AWE	0 006	1 953	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 25	0 02	AWE	0 010	2 177	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 29	0 04	AWE	0 025	2 253	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 8 36	0 01	AWE	0 004	1 587	AGC MAVG - calculated and Operating Conditions on Company's System
3/16/2015 15 37	0 01	AWE	0 000	0 003	AGC MAVG - calculated

Maui Electric

RSWG Maui Curtailment Report March 2015

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/17/2015 19:03	0:01	AWE	0.000	0.007	AGC MAVG - calculated
3/18/2015 15:09	0:03	KWPII	0.014	1.079	AGC MAVG - calculated
3/19/2015 0:11	0:01	KWPII	0.008	4.854	AGC MAVG - calculated
3/19/2015 0:26	0:01	KWPII	0.014	5.037	AGC MAVG - calculated
3/19/2015 3:35	0:03	KWPII	0.049	5.862	AGC MAVG - calculated
3/19/2015 3:40	0:02	KWPII	0.030	5.545	AGC MAVG - calculated
3/19/2015 3:43	0:01	KWPII	0.018	5.573	AGC MAVG - calculated
3/19/2015 3:46	0:17	KWPII	0.246	8.147	AGC MAVG - calculated
3/19/2015 4:04	0:22	KWPII	0.490	9.898	AGC MAVG - calculated
3/19/2015 4:27	0:10	KWPII	0.186	8.993	AGC MAVG - calculated
3/19/2015 5:41	0:16	KWPII	0.454	12.243	AGC MAVG - calculated
3/19/2015 6:36	0:01	KWPII	0.031	12.451	AGC MAVG - calculated
3/19/2015 6:59	0:01	KWPII	0.009	13.037	AGC MAVG - calculated
3/19/2015 7:01	1:47	KWPII	3.144	19.029	AGC MAVG - calculated
3/19/2015 8:49	0:06	KWPII	0.065	20.283	AGC MAVG - calculated
3/19/2015 8:58	0:05	KWPII	0.106	20.187	AGC MAVG - calculated
3/19/2015 9:04	0:13	KWPII	0.246	19.801	AGC MAVG - calculated
3/19/2015 9:18	0:01	KWPII	0.006	20.200	AGC MAVG - calculated
3/19/2015 9:20	0:44	KWPII	1.017	20.509	AGC MAVG - calculated
3/19/2015 10:05	0:04	KWPII	0.120	18.985	AGC MAVG - calculated
3/19/2015 10:10	0:04	KWPII	0.073	17.586	AGC MAVG - calculated
3/19/2015 10:16	0:27	KWPII	0.572	19.290	AGC MAVG - calculated
3/19/2015 10:45	0:04	KWPII	0.059	19.811	AGC MAVG - calculated
3/19/2015 10:50	0:08	KWPII	0.081	20.184	AGC MAVG - calculated
3/19/2015 11:01	0:02	KWPII	0.008	20.608	AGC MAVG - calculated
3/19/2015 11:08	0:03	KWPII	0.018	20.592	AGC MAVG - calculated
3/19/2015 11:11	0:04	KWPII	0.032	20.624	AGC MAVG - calculated
3/19/2015 11:16	0:01	KWPII	0.003	20.325	AGC MAVG - calculated
3/19/2015 11:18	0:04	KWPII	0.033	20.645	AGC MAVG - calculated
3/19/2015 11:23	0:03	KWPII	0.030	20.597	AGC MAVG - calculated
3/19/2015 11:27	0:07	KWPII	0.096	20.630	AGC MAVG - calculated
3/19/2015 11:37	0:06	KWPII	0.057	20.648	AGC MAVG - calculated
3/19/2015 11:45	0:02	KWPII	0.003	20.554	AGC MAVG - calculated
3/19/2015 11:49	0:01	KWPII	0.000	20.553	AGC MAVG - calculated
3/19/2015 11:51	0:25	KWPII	0.414	20.644	AGC MAVG - calculated
3/19/2015 12:17	0:03	KWPII	0.025	20.118	AGC MAVG - calculated
3/19/2015 12:21	0:14	KWPII	0.270	20.559	AGC MAVG - calculated
3/19/2015 12:36	0:03	KWPII	0.025	20.572	AGC MAVG - calculated
3/19/2015 12:40	0:04	KWPII	0.007	20.670	AGC MAVG - calculated
3/19/2015 12:46	0:01	KWPII	0.001	20.568	AGC MAVG - calculated
3/19/2015 12:48	0:02	KWPII	0.004	20.632	AGC MAVG - calculated
3/19/2015 12:51	0:08	KWPII	0.047	20.624	AGC MAVG - calculated
3/19/2015 13:02	0:06	KWPII	0.070	20.580	AGC MAVG - calculated
3/19/2015 13:11	0:04	KWPII	0.035	20.496	AGC MAVG - calculated
3/19/2015 13:16	0:43	KWPII	1.488	20.701	AGC MAVG - calculated
3/19/2015 14:02	0:07	KWPII	0.068	20.683	AGC MAVG - calculated
3/19/2015 14:10	0:04	KWPII	0.023	20.592	AGC MAVG - calculated
3/19/2015 14:15	0:05	KWPII	0.025	20.606	AGC MAVG - calculated
3/19/2015 14:23	0:02	KWPII	0.001	20.691	AGC MAVG - calculated
3/19/2015 14:26	0:39	KWPII	0.569	20.691	AGC MAVG - calculated
3/19/2015 15:18	0:08	KWPII	0.083	20.284	AGC MAVG - calculated
3/19/2015 15:27	0:08	KWPII	0.066	20.376	AGC MAVG - calculated
3/19/2015 15:36	0:21	KWPII	0.187	20.431	AGC MAVG - calculated
3/19/2015 15:58	0:01	KWPII	0.002	20.032	AGC MAVG - calculated
3/19/2015 16:00	0:16	KWPII	0.237	20.385	AGC MAVG - calculated
3/19/2015 16:18	0:03	KWPII	0.020	20.490	AGC MAVG - calculated
3/19/2015 16:24	0:01	KWPII	0.000	20.641	AGC MAVG - calculated
3/19/2015 16:26	0:03	KWPII	0.010	20.669	AGC MAVG - calculated
3/19/2015 16:33	0:01	KWPII	0.001	20.589	AGC MAVG - calculated
3/19/2015 16:35	0:02	KWPII	0.009	20.691	AGC MAVG - calculated
3/19/2015 16:39	0:07	KWPII	0.084	20.701	AGC MAVG - calculated
3/19/2015 17:01	0:02	KWPII	0.001	20.702	AGC MAVG - calculated
3/19/2015 18:33	0:01	KWPII	0.001	20.703	AGC MAVG - calculated
3/19/2015 20:56	0:02	KWPII	0.005	20.460	AGC MAVG - calculated
3/19/2015 21:42	0:01	KWPII	0.003	20.614	AGC MAVG - calculated
3/19/2015 22:05	0:01	KWPII	0.001	20.430	AGC MAVG - calculated
3/19/2015 22:17	0:02	KWPII	0.008	20.568	AGC MAVG - calculated
3/19/2015 22:20	0:04	KWPII	0.014	20.409	AGC MAVG - calculated
3/19/2015 22:32	0:16	KWPII	0.704	20.656	AGC MAVG - calculated
3/19/2015 22:58	0:04	KWPII	0.019	20.671	AGC MAVG - calculated
3/19/2015 23:08	0:11	KWPII	0.474	20.690	AGC MAVG - calculated
3/19/2015 23:35	0:01	KWPII	0.002	20.623	AGC MAVG - calculated
3/19/2015 23:45	3:13	KWPII	29.319	20.703	AGC MAVG - calculated
3/20/2015 2:17	0:01	AWE	0.002	5.680	AGC MAVG - calculated
3/20/2015 2:55	2:38	KWPII	23.793	18.024	AGC MAVG - calculated
3/20/2015 5:34	0:08	KWPII	0.273	18.559	AGC MAVG - calculated
3/20/2015 5:44	0:01	KWPII	0.000	18.700	AGC MAVG - calculated
3/20/2015 5:47	0:07	KWPII	0.099	18.401	AGC MAVG - calculated
3/20/2015 5:55	0:01	KWPII	0.009	18.587	AGC MAVG - calculated
3/20/2015 5:57	0:08	KWPII	0.073	18.585	AGC MAVG - calculated
3/20/2015 6:04	0:08	KWPII	0.124	18.272	AGC MAVG - calculated
3/20/2015 6:13	0:01	KWPII	0.005	17.784	AGC MAVG - calculated
3/20/2015 6:17	0:03	KWPII	0.041	17.706	AGC MAVG - calculated
3/20/2015 6:23	0:06	KWPII	0.092	17.475	AGC MAVG - calculated
3/20/2015 6:58	0:01	KWPII	0.006	18.669	AGC MAVG - calculated
3/20/2015 7:04	0:02	KWPII	0.027	18.388	AGC MAVG - calculated
3/20/2015 7:12	0:30	KWPII	0.787	18.671	AGC MAVG - calculated
3/20/2015 7:43	0:16	KWPII	0.316	18.345	AGC MAVG - calculated
3/20/2015 8:00	0:11	KWPII	0.484	18.456	AGC MAVG - calculated
3/20/2015 8:12	0:53	KWPII	1.884	18.922	AGC MAVG - calculated
3/20/2015 9:06	0:01	KWPII	0.009	18.037	AGC MAVG - calculated
3/20/2015 9:09	0:44	KWPII	1.618	18.884	AGC MAVG - calculated
3/20/2015 9:54	0:25	KWPII	1.008	18.547	AGC MAVG - calculated
3/20/2015 10:20	0:07	KWPII	0.233	11.258	AGC MAVG - calculated
3/20/2015 10:28	0:05	KWPII	0.075	7.787	AGC MAVG - calculated
3/20/2015 10:34	0:01	KWPII	0.031	7.513	AGC MAVG - calculated
3/20/2015 10:37	0:01	KWPII	0.004	7.728	AGC MAVG - calculated
3/20/2015 10:40	0:03	KWPII	0.067	7.987	AGC MAVG - calculated
3/20/2015 10:45	0:05	KWPII	0.115	10.487	AGC MAVG - calculated
3/20/2015 10:52	0:17	KWPII	0.535	12.980	AGC MAVG - calculated
3/20/2015 11:14	0:02	KWPII	0.062	12.096	AGC MAVG - calculated
3/20/2015 11:17	0:12	KWPII	0.324	12.850	AGC MAVG - calculated
3/20/2015 11:33	0:04	KWPII	0.075	11.057	AGC MAVG - calculated
3/20/2015 11:38	0:01	KWPII	0.010	10.493	AGC MAVG - calculated
3/20/2015 11:40	0:04	KWPII	0.103	11.786	AGC MAVG - calculated
3/20/2015 11:47	0:08	KWPII	0.217	11.865	AGC MAVG - calculated and Testing
3/20/2015 11:56	0:10	KWPII	0.249	12.418	AGC MAVG - calculated
3/20/2015 12:10	0:01	KWPII	0.002	13.041	AGC MAVG - calculated
3/20/2015 12:12	0:14	KWPII	0.408	14.334	AGC MAVG - calculated
3/20/2015 12:27	0:24	KWPII	0.724	14.958	AGC MAVG - calculated and Good Engineering and Operating Practices
3/20/2015 12:53	0:17	KWPII	0.606	16.783	AGC MAVG - calculated and Good Engineering and Operating Practices
3/20/2015 13:11	0:40	KWPII	0.982	16.550	AGC MAVG - calculated and Good Engineering and Operating Practices
3/20/2015 13:54	0:01	KWPII	0.035	19.553	AGC MAVG - calculated
3/20/2015 13:58	0:03	KWPII	0.053	19.724	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWh	Peak MW Curtailed	Reasons for Curtailment
3/20/2015 14:02	0:01	KWPII	0.015	18,683	AGC MAVG - calculated
3/20/2015 14:07	0:05	KWPII	0.115	19,938	AGC MAVG - calculated
3/20/2015 14:14	0:06	KWPII	0.118	19,157	AGC MAVG - calculated
3/20/2015 14:21	0:03	KWPII	0.058	19,191	AGC MAVG - calculated
3/20/2015 14:27	0:09	KWPII	0.171	20,213	AGC MAVG - calculated
3/20/2015 14:40	0:06	KWPII	0.036	20,033	AGC MAVG - calculated
3/20/2015 14:47	0:01	KWPII	0.007	19,398	AGC MAVG - calculated
3/20/2015 14:49	0:05	KWPII	0.074	19,929	AGC MAVG - calculated
3/20/2015 14:56	0:01	KWPII	0.015	20,049	AGC MAVG - calculated
3/20/2015 15:12	0:10	KWPII	0.144	20,143	AGC MAVG - calculated
3/20/2015 15:23	0:07	KWPII	0.073	19,868	AGC MAVG - calculated
3/20/2015 15:31	0:01	KWPII	0.003	19,387	AGC MAVG - calculated
3/20/2015 15:33	0:04	KWPII	0.054	20,125	AGC MAVG - calculated
3/20/2015 15:41	0:01	KWPII	0.011	19,845	AGC MAVG - calculated
3/20/2015 15:44	0:02	KWPII	0.024	19,859	AGC MAVG - calculated
3/20/2015 15:47	0:22	KWPII	0.417	20,012	AGC MAVG - calculated
3/20/2015 16:10	0:03	KWPII	0.073	20,096	AGC MAVG - calculated
3/20/2015 16:14	0:10	KWPII	0.109	20,475	AGC MAVG - calculated
3/20/2015 16:26	0:06	KWPII	0.136	18,758	AGC MAVG - calculated
3/20/2015 16:33	0:06	KWPII	0.063	20,281	AGC MAVG - calculated
3/20/2015 16:40	0:05	KWPII	0.084	20,425	AGC MAVG - calculated
3/20/2015 16:46	0:08	KWPII	0.098	19,871	AGC MAVG - calculated
3/20/2015 16:58	0:03	KWPII	0.011	20,453	AGC MAVG - calculated
3/20/2015 17:02	0:07	KWPII	0.030	20,617	AGC MAVG - calculated
3/20/2015 17:17	0:02	KWPII	0.001	20,674	AGC MAVG - calculated
3/20/2015 17:20	0:04	KWPII	0.003	20,681	AGC MAVG - calculated
3/20/2015 17:25	0:01	KWPII	0.000	20,694	AGC MAVG - calculated
3/20/2015 17:42	0:06	KWPII	0.015	20,668	AGC MAVG - calculated
3/20/2015 17:49	0:01	KWPII	0.003	20,526	AGC MAVG - calculated
3/20/2015 18:18	0:03	KWPII	0.020	20,705	AGC MAVG - calculated
3/20/2015 18:23	0:00	KWPII	0.000	20,708	AGC MAVG - calculated
3/20/2015 18:32	0:02	KWPII	0.001	20,708	AGC MAVG - calculated
3/20/2015 23:17	0:01	KWPII	0.004	20,708	AGC MAVG - entered - Maintaining Regulating Reserves
3/20/2015 23:19	8:07	KWPII	87.872	20,708	AGC MAVG - entered - Maintaining Regulating Reserves
3/21/2015 5:28	0:35	KWPII	3.442	19,211	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/21/2015 7:46	0:10	KWPII	0.141	20,688	AGC MAVG - calculated
3/21/2015 7:58	0:01	KWPII	0.003	20,123	AGC MAVG - calculated
3/21/2015 8:28	0:02	KWPII	0.006	20,421	AGC MAVG - calculated
3/21/2015 8:34	0:06	KWPII	0.041	20,647	AGC MAVG - calculated
3/21/2015 8:42	0:01	KWPII	0.005	20,021	AGC MAVG - calculated
3/21/2015 9:06	0:02	KWPII	0.011	20,653	AGC MAVG - calculated
3/21/2015 9:48	0:03	KWPII	0.027	18,358	AGC MAVG - calculated
3/21/2015 9:59	0:01	KWPII	0.027	15,214	AGC MAVG - calculated
3/21/2015 10:10	0:03	KWPII	0.089	18,283	AGC MAVG - calculated
3/21/2015 10:18	0:01	KWPII	0.002	18,977	AGC MAVG - calculated
3/21/2015 10:23	0:01	KWPII	0.028	19,467	AGC MAVG - calculated
3/21/2015 10:35	0:02	KWPII	0.016	20,117	AGC MAVG - calculated
3/21/2015 10:43	0:03	KWPII	0.041	19,901	AGC MAVG - calculated
3/21/2015 10:51	0:01	KWPII	0.026	19,335	AGC MAVG - calculated
3/21/2015 10:56	0:24	KWPII	1.988	20,662	AGC MAVG - calculated
3/21/2015 11:26	0:01	KWPII	0.004	15,988	AGC MAVG - calculated
3/21/2015 11:39	0:15	KWPII	0.399	20,440	AGC MAVG - calculated
3/21/2015 11:55	0:07	KWPII	0.109	20,410	AGC MAVG - calculated
3/21/2015 12:13	0:01	KWPII	0.019	18,935	AGC MAVG - calculated
3/21/2015 12:20	0:02	KWPII	0.060	15,982	AGC MAVG - calculated
3/21/2015 12:24	0:02	KWPII	0.036	13,903	AGC MAVG - calculated
3/21/2015 12:34	0:01	KWPII	0.018	14,835	AGC MAVG - calculated
3/21/2015 12:38	0:01	KWPII	0.033	14,661	AGC MAVG - calculated
3/21/2015 14:18	0:03	KWPII	0.049	9,088	AGC MAVG - calculated
3/21/2015 14:20	0:04	KWPII	0.034	6,957	AGC MAVG - calculated
3/21/2015 14:27	0:02	KWPII	0.014	4,970	AGC MAVG - calculated
3/21/2015 14:31	0:01	KWPII	0.023	5,802	AGC MAVG - calculated
3/21/2015 14:35	0:01	KWPII	0.007	4,701	AGC MAVG - calculated
3/21/2015 14:36	0:31	KWPII	2.069	10,971	AGC MAVG - calculated
3/21/2015 15:10	0:02	KWPII	0.031	9,890	AGC MAVG - calculated
3/21/2015 15:13	0:01	KWPII	0.008	9,282	AGC MAVG - calculated
3/21/2015 15:15	0:01	KWPII	0.021	8,667	AGC MAVG - calculated
3/21/2015 15:20	0:02	KWPII	0.013	9,776	AGC MAVG - calculated
3/21/2015 15:26	0:03	KWPII	0.061	10,007	AGC MAVG - calculated
3/21/2015 15:30	0:01	KWPII	0.004	7,959	AGC MAVG - calculated
3/21/2015 15:35	0:02	KWPII	0.014	10,281	AGC MAVG - calculated
3/21/2015 15:39	0:06	KWPII	0.095	10,757	AGC MAVG - calculated
3/21/2015 15:45	0:02	KWPII	0.026	10,119	AGC MAVG - calculated
3/21/2015 15:49	0:12	KWPII	0.304	14,248	AGC MAVG - calculated
3/21/2015 16:03	0:14	KWPII	0.299	12,509	AGC MAVG - calculated
3/21/2015 16:18	0:02	KWPII	0.027	10,187	AGC MAVG - calculated
3/21/2015 16:21	0:04	KWPII	0.060	10,500	AGC MAVG - calculated
3/21/2015 16:28	0:05	KWPII	0.068	10,695	AGC MAVG - calculated
3/21/2015 16:39	1:04	KWPII	2.780	19,909	AGC MAVG - calculated
3/21/2015 17:44	0:13	KWPII	0.358	18,024	AGC MAVG - calculated
3/21/2015 17:58	0:03	KWPII	0.053	16,089	AGC MAVG - calculated
3/21/2015 18:02	0:02	KWPII	0.018	15,769	AGC MAVG - calculated
3/21/2015 18:06	0:01	KWPII	0.010	16,435	AGC MAVG - calculated
3/21/2015 18:08	0:01	KWPII	0.008	16,431	AGC MAVG - calculated
3/21/2015 18:10	0:04	KWPII	0.040	16,939	AGC MAVG - calculated
3/21/2015 18:15	0:03	KWPII	0.106	17,575	AGC MAVG - calculated
3/21/2015 18:20	0:10	KWPII	0.120	18,871	AGC MAVG - calculated
3/21/2015 18:31	0:09	KWPII	0.123	19,500	AGC MAVG - calculated
3/21/2015 18:41	0:01	KWPII	0.013	18,559	AGC MAVG - calculated
3/21/2015 18:44	0:06	KWPII	0.125	19,262	AGC MAVG - calculated
3/21/2015 18:53	0:03	KWPII	0.055	19,940	AGC MAVG - calculated
3/21/2015 19:01	0:03	KWPII	0.032	18,128	AGC MAVG - calculated
3/21/2015 19:05	0:05	KWPII	0.074	16,701	AGC MAVG - calculated
3/21/2015 19:13	0:04	KWPII	0.060	18,998	AGC MAVG - calculated
3/21/2015 19:18	0:03	KWPII	0.008	20,345	AGC MAVG - calculated
3/21/2015 19:25	0:04	KWPII	0.023	20,478	AGC MAVG - calculated
3/21/2015 19:32	0:08	KWPII	0.062	20,548	AGC MAVG - calculated
3/21/2015 19:41	0:01	KWPII	0.000	20,322	AGC MAVG - calculated
3/21/2015 19:43	0:07	KWPII	0.081	20,453	AGC MAVG - calculated
3/21/2015 19:52	0:04	KWPII	0.053	20,382	AGC MAVG - calculated
3/21/2015 19:57	0:08	KWPII	0.086	19,989	AGC MAVG - calculated
3/21/2015 20:08	0:05	KWPII	0.099	19,520	AGC MAVG - calculated
3/21/2015 20:15	0:06	KWPII	0.073	19,338	AGC MAVG - calculated
3/21/2015 20:22	0:06	KWPII	0.056	18,883	AGC MAVG - calculated
3/21/2015 20:29	0:14	KWPII	0.158	20,198	AGC MAVG - calculated
3/21/2015 20:44	0:02	KWPII	0.015	20,583	AGC MAVG - calculated
3/21/2015 22:32	0:05	KWPII	0.037	20,655	AGC MAVG - entered - Maintaining Regulating Reserves
3/21/2015 22:42	2:38	KWPII	28.386	20,168	AGC MAVG - entered - Maintaining Regulating Reserves
3/21/2015 23:58	0:07	AWE	0.008	20,357	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 0:31	0:01	AWE	0.001	20,267	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 0:46	0:18	AWE	0.600	19,420	AGC MAVG - entered - Maintaining Regulating Reserves AGC MAVG - calculated and AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 1:08	0:03	AWE	0.043	19,450	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 1:22	0:25	KWPII	3.274	17,897	AGC MAVG - entered - Maintaining Regulating Reserves

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/22/2015 1:49	0:11	KWPII	0.172	8.274	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 4:03	0:01	AWE	0.007	11.100	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 4:06	0:33	AWE	3.273	16.863	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 4:10	0:46	KWPII	7.679	15.378	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 4:45	0:03	AWE	0.069	16.337	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 4:59	0:01	KWPII	0.031	4.209	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 5:10	0:04	KWPII	0.102	9.713	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 5:15	0:14	KWPII	0.233	7.781	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 7:42	0:01	AWE	0.009	20.000	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 7:46	0:01	AWE	0.001	20.397	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 7:49	0:02	AWE	0.006	20.380	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 7:57	0:01	AWE	0.001	20.513	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:02	0:03	AWE	0.015	20.390	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:03	0:01	KWPII	0.001	0.286	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:09	0:01	AWE	0.001	20.230	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:16	0:02	AWE	0.004	20.623	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:28	0:01	KWPII	0.007	0.483	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 8:58	0:01	AWE	0.000	20.823	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 10:40	0:01	AWE	0.002	19.580	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 10:44	0:01	AWE	0.005	19.020	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 11:00	0:01	AWE	0.002	20.447	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 11:03	*0:01*	*KWPII*	*0.003*	*0.186*	*AGC MAVG - entered - Maintaining Regulating Reserves*
3/22/2015 11:26	0:01	KWPII	0.009	2.202	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 11:35	0:01	KWPII	0.004	1.075	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 11:44	0:01	KWPII	0.008	0.987	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 12:01	0:02	KWPII	0.016	0.889	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 14:58	0:01	KWPII	0.001	7.878	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:03	0:02	KWPII	0.024	8.763	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:10	0:01	KWPII	0.007	8.807	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:14	0:04	KWPII	0.069	8.054	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:27	0:01	KWPII	0.015	7.356	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:36	0:04	KWPII	0.075	9.582	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:43	0:07	KWPII	0.089	9.076	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:54	0:01	KWPII	0.024	12.036	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 15:58	0:07	KWPII	0.226	15.036	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:06	0:18	KWPII	0.433	17.035	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:25	0:13	KWPII	0.429	18.997	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:40	0:02	KWPII	0.010	18.504	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:45	0:04	KWPII	0.031	19.678	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:50	0:04	KWPII	0.043	19.338	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 16:55	0:11	KWPII	0.232	18.414	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:07	0:09	KWPII	0.087	19.392	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:18	0:03	KWPII	0.025	18.097	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:22	0:01	KWPII	0.004	17.513	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:27	0:02	KWPII	0.002	17.088	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:30	0:04	KWPII	0.039	16.534	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:48	0:01	KWPII	0.010	16.659	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 17:53	0:11	KWPII	0.191	16.407	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 18:05	0:06	KWPII	0.151	10.933	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 18:14	0:02	KWPII	0.024	1.302	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 18:39	0:01	AWE	0.010	19.297	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 18:44	0:01	AWE	0.007	19.147	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 20:39	0:03	KWPII	0.015	0.365	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 20:40	0:09	AWE	0.045	12.637	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 20:44	0:18	KWPII	0.783	15.419	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:04	0:01	KWPII	0.024	16.082	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:06	0:22	KWPII	0.333	16.891	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:30	0:04	KWPII	0.065	17.755	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:36	0:01	KWPII	0.007	16.928	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:40	0:01	KWPII	0.019	16.581	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:46	0:02	KWPII	0.025	17.326	AGC MAVG - entered - Maintaining Regulating Reserves
3/22/2015 21:51	0:05	KWPII	0.041	16.705	AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, and Good Engineering and Operating Practices
3/22/2015 21:58	0:01	KWPII	0.002	16.375	AGC MAVG - calculated and Good Engineering and Operating Practices
3/22/2015 22:02	0:02	KWPII	0.037	14.012	AGC MAVG - calculated and Good Engineering and Operating Practices
3/22/2015 22:05	0:02	KWPII	0.072	13.668	AGC MAVG - calculated and Good Engineering and Operating Practices
3/22/2015 22:15	0:02	KWPII	0.024	9.536	AGC MAVG - calculated
3/22/2015 22:18	0:01	KWPII	0.015	9.349	AGC MAVG - calculated
3/22/2015 22:20	0:11	KWPII	0.232	10.634	AGC MAVG - calculated
3/22/2015 22:32	0:10	KWPII	0.230	12.393	AGC MAVG - calculated
3/22/2015 22:44	0:01	KWPII	0.007	12.894	AGC MAVG - calculated
3/22/2015 22:46	0:02	KWPII	0.033	14.922	AGC MAVG - calculated
3/22/2015 22:49	0:03	KWPII	0.064	15.241	AGC MAVG - calculated
3/22/2015 22:53	0:06	KWPII	0.315	15.281	AGC MAVG - calculated
3/22/2015 23:01	0:03	KWPII	0.072	7.255	AGC MAVG - calculated
3/22/2015 23:08	0:03	KWPII	0.068	4.945	AGC MAVG - calculated
3/22/2015 23:17	0:00	KWPII	0.002	4.277	AGC MAVG - calculated
3/22/2015 23:27	0:01	KWPII	0.002	0.129	AGC MAVG - calculated
3/22/2015 23:27	0:04	AWE	0.012	10.643	AGC MAVG - calculated
3/22/2015 23:30	0:01	KWPII	0.001	0.068	AGC MAVG - calculated
3/22/2015 23:33	0:01	KWPII	0.003	0.709	AGC MAVG - calculated
3/22/2015 23:37	2:34	KWPII	32.453	20.558	AGC MAVG - calculated 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, AGC MAVG - calculated AGC MAVG - entered, AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
3/23/2015 1:52	0:02	AWE	0.007	8.527	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 1:58	0:06	AWE	0.282	9.847	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/23/2015 2:17	1:38	KWPII	19.064	17.921	AGC MAVG - calculated 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 AGC MAVG - calculated, and AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 2:19	0:01	AWE	0.004	7.843	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 2:27	0:02	AWE	0.059	8.487	AGC MAVG - calculated and AGC MAVG - entered
3/23/2015 2:32	1:11	AWE	5.801	15.793	AGC MAVG - entered - Maintaining Regulating Reserves AGC MAVG - calculated AGC MAVG - entered - Maintaining Regulating Reserves AGC MAVG - calculated AGC MAVG - entered AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/23/2015 3:44	0:03	AWE	0.050	9.567	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 3:50	0:01	AWE	0.002	6.893	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 3:52	0:37	KWPII	1.406	4.820	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 3:58	0:05	AWE	0.357	13.733	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 4:04	0:26	AWE	2.982	17.897	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 5:08	0:01	KWPII	0.007	0.530	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 5:25	0:01	KWPII	0.004	0.224	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 5:25	0:02	AWE	0.013	17.873	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 5:28	0:02	AWE	0.011	18.210	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 5:35	0:01	AWE	0.008	18.213	AGC MAVG - entered - Maintaining Regulating Reserves
3/23/2015 6:55	0:01	AWE	0.001	15.160	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:26	0:04	KWPII	0.054	8.338	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:32	0:01	KWPII	0.010	5.016	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:34	0:03	KWPII	0.028	4.461	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:40	0:01	KWPII	0.008	2.978	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:45	0:01	KWPII	0.009	2.306	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 7:56	0:04	KWPII	0.040	3.251	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 8:21	0:01	KWPII	0.008	0.851	AGC MAVG - calculated and Operating Conditions on Company's System
3/23/2015 9:45	0:01	KWPII	0.007	1.344	AGC MAVG - calculated and Operating Conditions on Company's System

Maui Electric

RSWG Maui Curtailment Report March 2015

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/2/2015 10 41	0 02	KWPII	0 020	2 380	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 10 50	0 01	KWPII	0 006	0 745	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 11 01	2 57	AWE	1 426	20 037	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 11 58	0 05	KWPII	0 009	0 485	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 05	0 01	KWPII	0 001	0 520	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 20	0 02	KWPII	0 003	0 868	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 24	0 01	KWPII	0 000	0 760	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 30	0 14	KWPII	0 043	0 730	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 46	0 01	KWPII	0 002	0 478	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 12 50	0 08	KWPII	0 040	0 773	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 08	0 04	KWPII	0 014	0 377	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 13	0 09	KWPII	0 026	0 947	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 30	0 02	KWPII	0 002	0 083	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 36	0 04	KWPII	0 010	0 205	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 43	0 07	KWPII	0 026	0 340	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 51	0 02	KWPII	0 011	0 392	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 13 58	0 22	AWE	0 118	14 240	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 00	0 03	KWPII	0 012	1 032	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 04	0 05	KWPII	0 020	0 755	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 10	0 09	KWPII	0 034	0 326	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 26	0 01	KWPII	0 000	1 758	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 30	0 02	KWPII	0 006	2 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 34	0 01	KWPII	0 000	1 929	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 40	0 02	KWPII	0 004	2 177	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 43	0 02	KWPII	0 008	1 998	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 46	0 10	KWPII	0 038	2 136	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 50	0 19	AWE	0 101	14 660	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 14 59	0 02	KWPII	0 005	0 917	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 02	0 02	KWPII	0 008	0 919	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 11	0 01	KWPII	0 004	1 677	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 11	0 01	AWE	0 007	14 777	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 13	0 04	KWPII	0 009	2 032	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 18	0 01	KWPII	0 004	2 393	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 26	0 03	KWPII	0 019	2 993	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 30	0 14	KWPII	0 112	3 125	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 40	0 07	AWE	0 032	13 927	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 45	0 01	KWPII	0 005	1 530	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 48	0 03	KWPII	0 018	1 789	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 48	0 04	AWE	0 024	13 747	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 55	0 01	AWE	0 002	13 353	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 15 55	0 04	KWPII	0 023	2 256	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 00	0 08	KWPII	0 029	2 273	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 02	0 01	AWE	0 006	15 723	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 05	0 01	AWE	0 007	15 737	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 09	0 04	KWPII	0 010	1 973	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 09	0 02	AWE	0 012	14 833	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 12	0 04	AWE	0 022	15 723	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 15	0 08	KWPII	0 031	2 146	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 17	0 01	AWE	0 003	13 787	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 26	0 09	KWPII	0 027	2 173	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 31	0 01	AWE	0 005	12 683	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 33	0 02	AWE	0 012	12 893	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 39	0 01	KWPII	0 004	1 893	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 42	0 07	KWPII	0 032	2 416	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 45	0 04	AWE	0 019	11 803	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 50	0 01	KWPII	0 006	1 718	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 50	0 01	AWE	0 005	11 143	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 53	0 01	KWPII	0 009	1 850	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 53	0 01	AWE	0 004	12 673	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 56	0 03	KWPII	0 009	1 500	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 16 56	2 06	AWE	0 611	15 257	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 17 00	0 04	KWPII	0 014	1 357	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 17 06	0 10	KWPII	0 031	0 967	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 17 36	0 06	KWPII	0 018	0 455	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 17 49	0 02	KWPII	0 002	1 241	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 17 54	0 07	KWPII	0 025	1 669	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 18 37	1 24	KWPII	0 601	3 030	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 19 22	0 07	AWE	0 030	11 110	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 19 33	0 04	AWE	0 015	11 413	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 19 51	2 23	AWE	0 813	12 913	AGC MAVG - calculated and Operating Conditions on Company's System
3/2/2015 23 59	0 01	KWPII	0 004	2 344	AGC MAVG - calculated and Operating Conditions on Company's System
3/24/2015 0 18	0 05	KWPII	0 021	2 445	AGC MAVG - calculated and Operating Conditions on Company's System
3/24/2015 14 20	0 01	AWE	0 000	0 010	AGC MAVG - calculated and Operating Conditions on Company's System
3/24/2015 14 48	0 01	AWE	0 000	0 007	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 8 20	0 04	KWPII	0 044	5 893	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 8 29	0 05	KWPII	0 045	5 896	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 8 42	0 04	KWPII	0 057	5 512	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 8 49	0 04	KWPII	0 063	5 271	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 01	0 03	KWPII	0 051	7 084	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 20	0 01	KWPII	0 018	8 300	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 22	0 01	KWPII	0 011	8 056	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 27	0 01	KWPII	0 015	8 172	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 29	0 01	KWPII	0 018	7 558	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 36	0 01	KWPII	0 010	7 106	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 39	0 03	KWPII	0 040	6 805	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 43	0 01	KWPII	0 006	5 587	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 45	0 01	KWPII	0 008	5 331	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 9 48	0 01	KWPII	0 012	4 726	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 09	0 01	KWPII	0 012	5 797	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 25	0 04	KWPII	0 060	6 369	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 37	0 03	KWPII	0 028	5 812	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 46	0 01	KWPII	0 008	6 340	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 50	0 03	KWPII	0 033	6 413	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 10 57	0 03	KWPII	0 029	7 303	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 01	0 01	KWPII	0 017	7 279	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 22	0 03	KWPII	0 030	10 841	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 28	0 01	KWPII	0 014	12 243	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 30	0 01	KWPII	0 001	12 355	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 32	0 04	KWPII	0 095	12 366	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 37	0 10	KWPII	0 217	12 458	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 48	0 01	KWPII	0 017	10 435	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 54	0 02	KWPII	0 021	12 372	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 11 59	0 02	KWPII	0 041	13 656	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 12 03	0 01	KWPII	0 006	14 487	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 12 05	0 18	KWPII	0 415	15 915	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 12 24	0 01	AWE	0 000	0 003	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 12 27	0 57	KWPII	1 334	16 515	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 12 28	0 01	AWE	0 000	0 003	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 13 25	0 02	KWPII	0 064	15 609	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices
3/25/2015 13 28	0 21	KWPII	0 523	15 915	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices
3/25/2015 13 51	0 09	KWPII	0 227	13 727	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices
3/25/2015 14 01	0 08	KWPII	0 183	12 365	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices
3/25/2015 14 10	0 03	KWPII	0 043	9 641	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices
3/25/2015 14 16	0 01	KWPII	0 008	10 194	AGC MAVG - calculated, Operating Conditions on Company's System, and Good Engineering and Operating Practices

Maui Electric

RSWG Maui Curtailment Report March 2015

Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/25/2015 14 20	0 04	KWPII	0 060	11 433	AGC MAVG - calculated Operating Conditions on Company's System and Good Engineering and Operating Practices
3/25/2015 14 27	0 02	KWPII	0 026	11 286	AGC MAVG - calculated Operating Conditions on Company's System and Good Engineering and Operating Practices
3/25/2015 14 30	0 06	KWPII	0 065	12 496	AGC MAVG - calculated Operating Conditions on Company's System and Good Engineering and Operating Practices
3/25/2015 14 38	0 05	KWPII	0 078	13 890	AGC MAVG - calculated Operating Conditions on Company's System and Testing
3/25/2015 14 47	0 06	KWPII	0 074	14 700	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 14 54	0 01	KWPII	0 015	14 829	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 14 58	0 06	KWPII	0 098	17 178	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 25	0 01	KWPII	0 013	17 232	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 31	0 03	KWPII	0 040	17 787	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 35	0 03	KWPII	0 039	16 960	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 43	0 03	KWPII	0 038	17 869	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 55	0 02	KWPII	0 044	18 831	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 15 59	0 19	KWPII	0 411	18 329	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 21	0 23	KWPII	0 542	19 082	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 46	0 03	KWPII	0 087	19 009	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 57	0 07	KWPII	0 104	17 181	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 05	0 01	KWPII	0 001	17 482	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 08	0 05	KWPII	0 039	18 433	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 23	0 02	KWPII	0 008	20 140	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 26	0 03	KWPII	0 034	19 223	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 32	0 04	KWPII	0 013	20 132	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 46	0 01	KWPII	0 003	20 599	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 50	0 01	KWPII	0 003	20 513	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 54	0 03	KWPII	0 029	20 308	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 17 58	0 04	KWPII	0 046	19 576	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 03	0 07	KWPII	0 083	18 770	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 12	0 01	KWPII	0 002	17 735	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 15	0 26	KWPII	0 581	19 851	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 43	0 03	KWPII	0 014	20 300	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 47	0 02	KWPII	0 023	20 269	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 50	0 01	KWPII	0 013	19 730	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 18 52	0 06	KWPII	0 052	20 060	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 01	0 01	KWPII	0 004	19 468	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 03	0 01	KWPII	0 004	20 136	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 07	0 02	KWPII	0 010	20 230	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 11	0 06	KWPII	0 040	20 337	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 18	0 03	KWPII	0 022	19 991	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 22	0 01	KWPII	0 003	20 405	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 19 58	0 01	KWPII	0 000	20 696	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 20 02	0 01	KWPII	0 004	20 633	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 20 04	0 01	KWPII	0 001	20 614	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 20 06	0 01	KWPII	0 000	20 678	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 20 41	0 01	KWPII	0 001	20 517	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 21 04	0 01	KWPII	0 001	20 689	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 21 31	0 02	KWPII	0 006	20 686	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 21 57	0 01	KWPII	0 001	20 705	AGC MAVG - calculated and Operating Conditions on Company's System
3/25/2015 22 29	6 49	KWPII	112 283	20 708	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 1 40	0 01	KWP	0 002	25 880	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 1 47	2 53	KWP	12 429	26 474	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 2 18	0 03	AWE	0 003	0 100	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 2 26	0 01	AWE	0 001	0 050	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 3 41	0 26	AWE	0 414	2 807	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 19	0 36	AWE	0 998	4 030	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 41	0 05	KWP	0 644	25 910	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 47	0 06	KWP	0 155	26 203	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 54	0 01	KWP	0 002	25 650	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 56	0 01	AWE	0 015	1 047	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 4 58	0 01	AWE	0 011	0 753	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 5 12	0 01	AWE	0 032	5 593	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 5 20	2 42	KWPII	30 571	20 706	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 5 51	0 01	AWE	0 009	11 727	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 7 33	0 01	AWE	0 007	20 393	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 8 04	7 52	KWPII	107 541	20 708	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 11 03	0 02	AWE	0 002	21 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 11 32	0 05	AWE	0 056	21 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 11 38	0 22	AWE	0 815	21 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 12 29	1 25	AWE	5 448	21 000	AGC MAVG - entered - Maintaining Regulating Reserves, Operating Conditions on Company's System, and AGC MAVG - calculated
3/26/2015 21 25	7 43	KWPII	137 942	20 706	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 22 55	0 17	AWE	0 303	21 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 23 16	0 11	AWE	0 337	21 000	AGC MAVG - calculated and Operating Conditions on Company's System
3/26/2015 23 32	0 03	AWE	0 007	21 000	AGC MAVG - calculated
3/26/2015 23 50	4 38	AWE	37 064	21 000	AGC MAVG - calculated and Operating Conditions on Company's System, AGC MAVG - entered, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated AGC MAVG - entered AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
3/27/2015 4 30	0 34	AWE	2 873	20 053	AGC MAVG - calculated
3/27/2015 5 10	1 09	KWPII	10 485	20 706	AGC MAVG - calculated
3/27/2015 7 35	0 46	KWPII	1 670	20 707	AGC MAVG - calculated
3/27/2015 8 30	0 01	KWPII	0 008	20 611	AGC MAVG - calculated
3/27/2015 8 34	0 53	KWPII	2 343	20 674	AGC MAVG - calculated
3/27/2015 9 30	0 53	KWPII	2 318	20 589	AGC MAVG - calculated
3/27/2015 10 24	0 17	KWPII	0 939	20 141	AGC MAVG - calculated
3/27/2015 10 43	0 32	KWPII	1 839	20 026	AGC MAVG - calculated
3/27/2015 22 19	0 01	KWPII	0 012	15 375	AGC MAVG - calculated
3/27/2015 23 48	1 03	KWPII	12 748	17 237	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/28/2015 0 27	0 05	AWE	0 073	21 000	AGC MAVG - entered - Maintaining Regulating Reserves
3/28/2015 0 29	0 12	AWE	0 423	21 000	AGC MAVG - entered - Maintaining Regulating Reserves
3/28/2015 0 54	0 10	KWPII	0 651	12 202	AGC MAVG - calculated
3/28/2015 1 35	0 01	KWP	0 000	0 005	AGC MAVG - calculated
3/28/2015 2 27	0 01	KWPII	0 000	2 859	AGC MAVG - calculated
3/28/2015 2 28	0 01	AWE	0 006	21 000	AGC MAVG - calculated and AGC MAVG - entered
3/28/2015 2 30	1 44	KWPII	9 985	10 928	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/28/2015 7 30	1 44	AWE	14 089	21 000	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
3/29/2015 7 30	0 01	KWP	0 000	0 002	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 9 43	0 02	KWPII	0 062	6 922	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 9 48	0 01	AWE	0 000	20 960	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 9 48	0 07	KWPII	0 189	5 944	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 9 53	0 01	AWE	0 001	20 957	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 10 38	0 01	KWPII	0 018	7 248	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 10 42	0 03	KWPII	0 060	6 889	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 11 32	0 01	AWE	0 001	21 000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 12 48	0 15	KWPII	0 600	5 348	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 12 53	0 06	AWE	0 013	21 000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 13 00	0 02	AWE	0 007	21 000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 13 06	0 02	KWPII	0 042	5 012	AGC MAVG - calculated and Good Engineering and Operating Practices
3/29/2015 13 37	0 02	KWPII	0 024	9 330	AGC MAVG - calculated
3/29/2015 14 17	0 02	KWPII	0 041	8 847	AGC MAVG - calculated
3/29/2015 14 21	0 46	KWPII	5 837	19 675	AGC MAVG - calculated
3/29/2015 14 34	0 01	AWE	0 000	21 000	AGC MAVG - calculated
3/29/2015 15 09	0 15	KWPII	0 547	19 600	AGC MAVG - calculated
3/29/2015 15 44	0 09	KWPII	0 368	19 877	AGC MAVG - calculated
3/29/2015 15 59	0 01	KWPII	0 008	19 818	AGC MAVG - calculated
3/29/2015 22 01	8 13	KWPII	140 514	20 706	AGC MAVG - calculated
3/29/2015 22 53	7 18	AWE	93 415	21 000	AGC MAVG - calculated
3/30/2015 1 07	0 01	KWP	0 005	27 998	AGC MAVG - calculated

Maui Electric

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
3/30/2015 1:10	0:30	KWP	0.856	28.220	AGC MAVG - calculated
3/30/2015 1:43	0:14	KWP	0.638	28.228	AGC MAVG - calculated
3/30/2015 1:58	0:10	KWP	0.280	28.307	AGC MAVG - calculated
3/30/2015 2:59	0:13	KWP	0.507	27.503	AGC MAVG - calculated
3/30/2015 3:13	0:23	KWP	0.842	27.519	AGC MAVG - calculated
3/30/2015 3:41	0:01	KWP	0.001	27.845	AGC MAVG - calculated
3/30/2015 3:46	0:02	KWP	0.019	27.027	AGC MAVG - calculated
3/30/2015 3:49	0:01	KWP	0.011	27.407	AGC MAVG - calculated
3/30/2015 3:54	0:59	KWP	2.533	28.226	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 4:54	0:01	KWP	0.011	27.788	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 4:56	0:02	KWP	0.007	28.043	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 6:18	0:01	KWPII	0.115	18.959	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 6:20	0:34	KWPII	5.683	19.211	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 6:55	0:12	KWPII	0.302	19.211	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 7:10	2:11	KWPII	16.986	20.670	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 9:22	0:30	KWPII	1.761	20.564	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 9:56	0:05	KWPII	0.243	18.765	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 10:02	0:06	KWPII	0.117	19.068	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 10:09	0:58	KWPII	6.607	20.014	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 11:09	0:51	KWPII	6.365	20.360	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 11:32	0:05	AWE	0.013	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 11:40	0:12	AWE	0.079	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 12:01	0:18	KWPII	2.109	17.707	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 12:18	0:02	KWPII	0.023	14.617	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 12:28	0:03	KWPII	0.129	17.513	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 12:46	0:08	KWPII	0.401	16.829	AGC MAVG - calculated and Good Engineering and Operating Practices
3/30/2015 13:07	0:05	KWPII	0.147	13.567	AGC MAVG - calculated
3/31/2015 2:40	0:04	AWE	0.099	20.993	AGC MAVG - calculated and Good Engineering and Operating Practices
3/31/2015 2:56	0:06	AWE	0.114	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/31/2015 3:06	0:09	AWE	0.143	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/31/2015 3:19	0:04	AWE	0.153	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/31/2015 3:24	1:00	AWE	5.578	21.000	AGC MAVG - calculated and Good Engineering and Operating Practices
3/31/2015 9:07	0:01	AWE	0.024	20.780	AGC MAVG - calculated and Operating Conditions on Company's System
3/31/2015 12:00	0:06	KWPII	0.168	6.058	AGC MAVG - calculated and Operating Conditions on Company's System
3/31/2015 12:07	0:01	KWPII	0.014	4.580	AGC MAVG - calculated and Operating Conditions on Company's System
3/31/2015 12:11	0:03	KWPII	0.037	4.701	AGC MAVG - calculated and Operating Conditions on Company's System
3/31/2015 23:25	0:06	AWE	0.124	21.000	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.
- The Estimated Curtailed MWH and Peak MW Curtailed are calculated with information provided by AWE, KWP, and KWPII. Maui Electric does not make any representation as to its accuracy.
- The data to calculate the Estimated Curtailed MWH and Peak MW Curtailed is not provided by 5A, BS, or MH.
- Curtailment signals sent to 5A or BS during nighttime hours are not recorded as curtailment events because no energy generation is possible during that time.

Maui Electric

Lanai Curtailment Report March 2015

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
3/1/2015 8 22	3/1/2015 9 04	0 43	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 9 09	3/1/2015 9 16	0 08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 9 59	3/1/2015 10 02	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 10 07	3/1/2015 10 10	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 13 40	3/1/2015 13 44	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 13 50	3/1/2015 13 50	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 13 59	3/1/2015 14 00	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14 02	3/1/2015 14 10	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14:14	3/1/2015 14 15	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14 22	3/1/2015 14 33	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14 35	3/1/2015 14 35	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14 47	3/1/2015 14 52	0:06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 14 54	3/1/2015 14 54	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 15 14	3/1/2015 15 14	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 15 17	3/1/2015 15 19	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 15 35	3/1/2015 15 44	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 15 59	3/1/2015 16 09	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 18 24	3/1/2015 18:35	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 18 48	3/1/2015 18 59	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 17.02	3/1/2015 17.02	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/1/2015 17 12	3/1/2015 17:15	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 7 08	3/2/2015 7 19	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 7 36	3/2/2015 10:18	2 43	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 10 20	3/2/2015 10 26	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 10 29	3/2/2015 10 32	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 10 38	3/2/2015 10 46	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/2/2015 16 47	3/2/2015 16 57	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 7 43	3/3/2015 8 19	0.37	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 8 22	3/3/2015 8 23	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 8 25	3/3/2015 8 38	0:14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 8 42	3/3/2015 8 45	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 8 49	3/3/2015 8 52	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 8 55	3/3/2015 9 08	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9 11	3/3/2015 9 11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9:16	3/3/2015 9 22	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9 24	3/3/2015 9 30	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9 32	3/3/2015 9 36	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9 40	3/3/2015 9 49	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 9 54	3/3/2015 10 10	0 17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 11 15	3/3/2015 11 17	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 11 19	3/3/2015 11:19	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 11 21	3/3/2015 11 25	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 11 57	3/3/2015 11.57	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 12 04	3/3/2015 12 04	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 12 07	3/3/2015 12.07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 12 23	3/3/2015 12.23	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 12 46	3/3/2015 12 47	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 13 09	3/3/2015 13 10	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 13 12	3/3/2015 13 14	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 13.17	3/3/2015 13 17	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 13 19	3/3/2015 13 20	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 14 23	3/3/2015 14 23	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/3/2015 14 25	3/3/2015 14:25	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 7 29	3/5/2015 7 30	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 7 32	3/5/2015 7 43	0 12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 7 46	3/5/2015 7 49	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 8 27	3/5/2015 8 31	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 8 33	3/5/2015 8 52	0 20	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 8 55	3/5/2015 9 16	0 22	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 9 43	3/5/2015 9 43	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 9 50	3/5/2015 9 54	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 9 56	3/5/2015 11 10	1.15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 11 12	3/5/2015 13:14	2 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 13 17	3/5/2015 13 59	0 43	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 14 02	3/5/2015 14:29	0 26	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 14 32	3/5/2015 14 40	0 09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 14 42	3/5/2015 14 48	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 14 51	3/5/2015 17 03	2 13	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 17 08	3/5/2015 17.08	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 17:12	3/5/2015 17:12	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 17.22	3/5/2015 17 24	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 17.32	3/5/2015 17 32	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/5/2015 17:39	3/5/2015 17 42	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 7:18	3/6/2015 7 22	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 7 41	3/6/2015 7.59	0 19	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 14 05	3/6/2015 14 05	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 14 07	3/6/2015 14 07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 14 09	3/6/2015 14 11	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 14:14	3/6/2015 14 51	0 38	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 15 02	3/6/2015 16 18	1.17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 16 28	3/6/2015 16 30	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 16 32	3/6/2015 16 32	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 17 05	3/6/2015 17 07	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 17 09	3/6/2015 17.10	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/6/2015 17 12	3/6/2015 17 13	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 9 22	3/7/2015 9 24	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 11 01	3/7/2015 11 31	0 31	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 11 36	3/7/2015 11 42	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 11 44	3/7/2015 11 57	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 00	3/7/2015 12 02	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 04	3/7/2015 12 08	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 10	3/7/2015 12 23	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 27	3/7/2015 12 42	0 16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 44	3/7/2015 12 46	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 12 49	3/7/2015 13 07	0 19	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 13 09	3/7/2015 13 15	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 13:17	3/7/2015 13 21	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 13 24	3/7/2015 13:24	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lanai Curtailment Report March 2015

Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
3/7/2015 13:29	3/7/2015 13:58	0:28	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 13:58	3/7/2015 14:33	0:36	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 14:35	3/7/2015 14:50	0:16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 14:53	3/7/2015 14:54	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 14:58	3/7/2015 14:58	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 16:03	3/7/2015 16:04	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 16:07	3/7/2015 16:07	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/7/2015 16:16	3/7/2015 16:16	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/8/2015 9:20	3/8/2015 9:21	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/8/2015 11:54	3/8/2015 11:54	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/8/2015 11:56	3/8/2015 11:57	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/8/2015 14:05	3/8/2015 14:06	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 12:09	3/9/2015 12:15	0:07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 12:24	3/9/2015 12:24	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 12:26	3/9/2015 12:39	0:14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 12:51	3/9/2015 12:51	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:04	3/9/2015 13:04	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:20	3/9/2015 13:20	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:26	3/9/2015 13:26	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:30	3/9/2015 13:32	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:43	3/9/2015 13:44	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 13:53	3/9/2015 13:54	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 14:07	3/9/2015 14:10	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 16:49	3/9/2015 16:50	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 16:54	3/9/2015 16:58	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 17:02	3/9/2015 17:03	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/9/2015 17:08	3/9/2015 17:08	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/10/2015 7:27	3/10/2015 10:11	2:45	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/10/2015 10:13	3/10/2015 11:04	0:52	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/10/2015 11:08	3/10/2015 14:58	3:51	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/13/2015 11:49	3/13/2015 14:52	3:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 7:49	3/14/2015 9:05	1:17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 9:30	3/14/2015 9:34	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 10:00	3/14/2015 12:01	2:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 12:13	3/14/2015 12:19	0:07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 12:21	3/14/2015 12:53	0:33	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 12:55	3/14/2015 12:55	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 12:57	3/14/2015 12:57	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 13:02	3/14/2015 13:15	0:14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 13:19	3/14/2015 13:53	0:35	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 13:55	3/14/2015 14:05	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 14:07	3/14/2015 14:22	0:16	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 14:25	3/14/2015 14:25	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 14:36	3/14/2015 15:26	0:50	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:05	3/14/2015 16:09	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:24	3/14/2015 16:27	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:31	3/14/2015 16:32	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:42	3/14/2015 16:46	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:50	3/14/2015 16:55	0:06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/14/2015 16:57	3/14/2015 17:13	0:17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/15/2015 8:36	3/15/2015 8:49	0:14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/15/2015 12:43	3/15/2015 12:43	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/15/2015 16:15	3/15/2015 16:15	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/15/2015 16:26	3/15/2015 16:26	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/15/2015 17:16	3/15/2015 17:20	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 9:16	3/16/2015 9:17	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 9:46	3/16/2015 9:50	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 10:02	3/16/2015 10:02	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 10:11	3/16/2015 10:11	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 10:45	3/16/2015 10:47	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 10:49	3/16/2015 10:50	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 13:50	3/16/2015 13:59	0:10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 14:01	3/16/2015 14:01	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 14:07	3/16/2015 14:08	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 14:15	3/16/2015 14:17	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 14:57	3/16/2015 14:58	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 15:03	3/16/2015 15:11	0:09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 15:18	3/16/2015 15:18	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 15:44	3/16/2015 15:45	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 15:49	3/16/2015 16:00	0:12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/16/2015 16:02	3/16/2015 16:02	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 9:28	3/19/2015 9:30	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 9:39	3/19/2015 9:39	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 10:04	3/19/2015 10:05	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 10:08	3/19/2015 10:08	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 10:21	3/19/2015 10:24	0:04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 10:27	3/19/2015 10:29	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 10:32	3/19/2015 10:33	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 11:10	3/19/2015 11:11	0:02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 11:27	3/19/2015 11:27	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 12:52	3/19/2015 12:59	0:08	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 13:05	3/19/2015 13:05	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 13:11	3/19/2015 13:21	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 13:35	3/19/2015 13:39	0:05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 13:41	3/19/2015 13:43	0:03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 13:57	3/19/2015 14:07	0:11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 14:17	3/19/2015 14:17	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 14:19	3/19/2015 14:19	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 14:21	3/19/2015 14:32	0:12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 14:37	3/19/2015 14:37	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 14:46	3/19/2015 14:54	0:09	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 15:40	3/19/2015 15:40	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 15:42	3/19/2015 15:42	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 15:47	3/19/2015 15:47	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 15:55	3/19/2015 15:55	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 16:22	3/19/2015 16:22	0:01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 17:13	3/19/2015 17:24	0:12	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/19/2015 17:26	3/19/2015 17:42	0:17	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Maui Electric

Lanai Curtailment Report March 2015

Start Date/Time	Stop Date/Time	Duration (h mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
3/19/2015 17 49	3/19/2015 17 54	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 8 56	3/21/2015 8 56	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 9 02	3/21/2015 9 05	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 9 09	3/21/2015 9 13	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 9 15	3/21/2015 10 12	0 58	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 11 37	3/21/2015 11 42	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 12 03	3/21/2015 12 13	0 11	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 17 03	3/21/2015 17 09	0 07	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/21/2015 17 26	3/21/2015 17 53	0 28	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/22/2015 7 27	3/22/2015 7 38	0 10	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/23/2015 16 26	3/23/2015 16 26	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/23/2015 16 34	3/23/2015 17 24	0 51	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/23/2015 17 34	3/23/2015 17 39	0 06	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/24/2015 16 50	3/24/2015 17 53	1 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/24/2015 17 55	3/24/2015 17 55	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/25/2015 15 27	3/25/2015 15 58	0 30	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 9 22	3/26/2015 9 23	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 9 33	3/26/2015 9 37	0 05	LSR	Data is not available	Data is not available	Testing
3/26/2015 9 39	3/26/2015 9 42	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 9 44	3/26/2015 9 49	0 06	LSR	Data is not available	Data is not available	Testing
3/26/2015 9 51	3/26/2015 9 51	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 9 53	3/26/2015 9 55	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 00	3/26/2015 10 00	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 06	3/26/2015 10 08	0 03	LSR	Data is not available	Data is not available	Testing
3/26/2015 10 11	3/26/2015 10 11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 14	3/26/2015 10 18	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 20	3/26/2015 10 24	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 32	3/26/2015 10 32	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/26/2015 10 35	3/26/2015 10 35	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 7 34	3/28/2015 8 27	0 54	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 8 30	3/28/2015 8 33	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 8 44	3/28/2015 9 42	0 59	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 9 44	3/28/2015 9 58	0 15	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 10 01	3/28/2015 10 03	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 10 06	3/28/2015 10 06	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 10 08	3/28/2015 10 09	0 02	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 10 25	3/28/2015 10 25	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 10 34	3/28/2015 10 34	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 11 20	3/28/2015 11:33	0 14	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 12 11	3/28/2015 12.11	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 13 02	3/28/2015 13 04	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 13 07	3/28/2015 13 07	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/28/2015 13 11	3/28/2015 13 14	0 04	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/29/2015 12 08	3/29/2015 12 12	0 05	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/29/2015 13 45	3/29/2015 13 45	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/29/2015 13 52	3/29/2015 13 52	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/29/2015 14 11	3/29/2015 14 13	0 03	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices
3/29/2015 14 41	3/29/2015 14 41	0 01	LSR	Data is not available	Data is not available	Good Engineering and Operating Practices

Notes

On June 27, 2012, Maui Electric notified LSR that although LSR has not operated in compliance with the revised ramp rate of 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 March 2015

Start Date/Time	MW output prior to start of curtailment	End Date/Time	MW output after curtailment released	Reason for Curtailment
03/03/15 00:22	18.8 MW	03/03/15 01:00	18.8 MW	Tawhiri curtailed - generation unit maintenance at Keahole.
03/05/15 01:49	17.5 MW	03/05/15 04:33	18.2 MW	Tawhiri Group B curtailed for excess energy.
03/14/15 04:45	17.2 MW	03/14/15 05:16	16.2 MW	Tawhiri Group B curtailed for excess energy.
03/26/15 21:33	17.8 MW	03/27/15 06:08	15.9 MW	High wind curtailment to 10MW at Tawhiri's request.

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