



Dean K. Matsuura
Manager
Regulatory Affairs

October 29, 2013

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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 September 2013 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.

Very truly yours,

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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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 September 30, 2013):

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 September 30, 2013):

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

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

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

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

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. Maui Electric and Hawai'i Electric Light currently do not have demand response programs.

- (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 September 30, 2013):

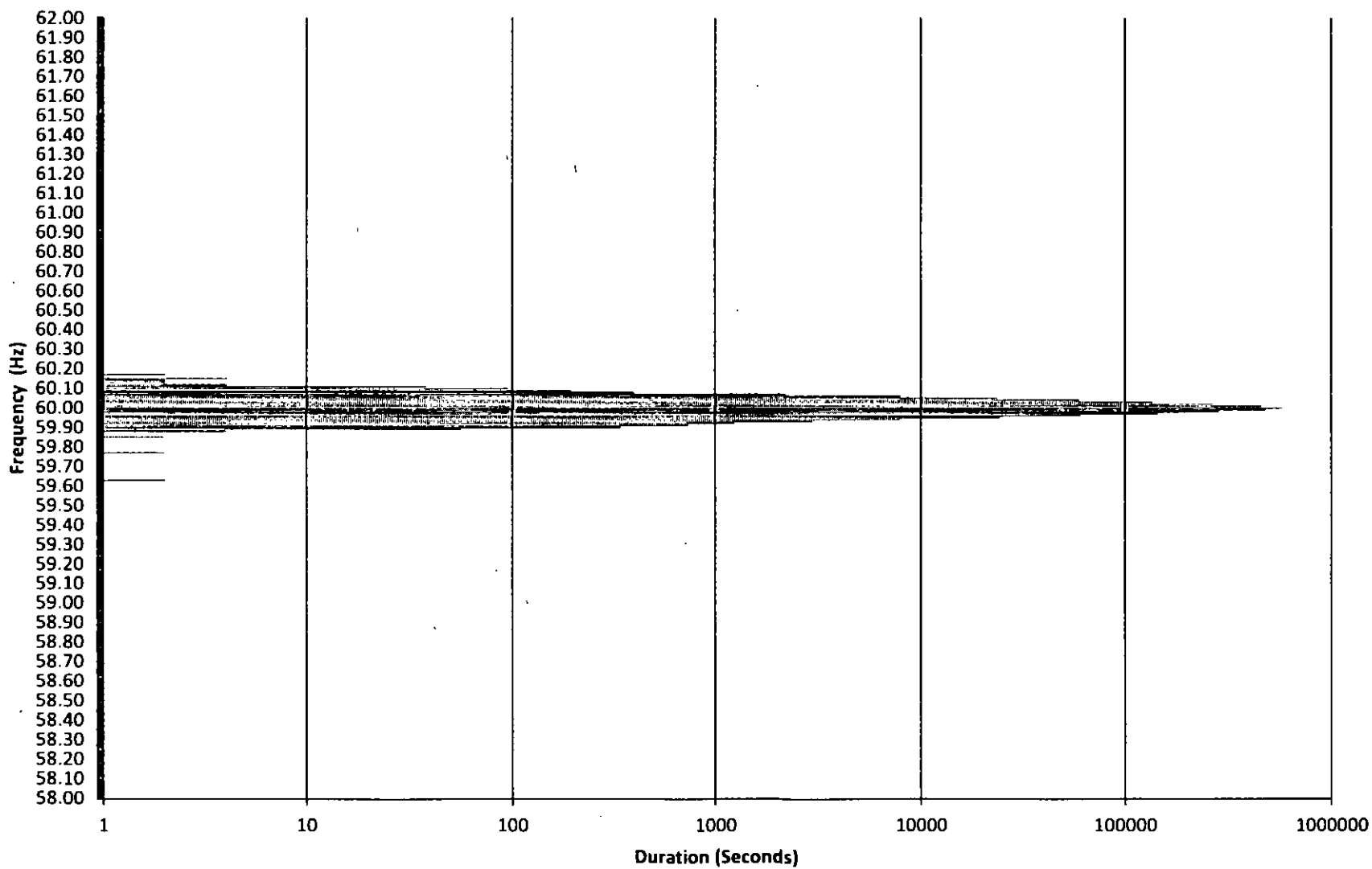
3a) Tabulation of each curtailment event for each resource including the starting date and time, duration, megawatt hours curtailed, peak MW curtailed, and reason for curtailment:

The tabulation of each curtailment event for each resource is provided in Attachment 6. Hawai'i Electric Light did not have any curtailment events for the month of September.

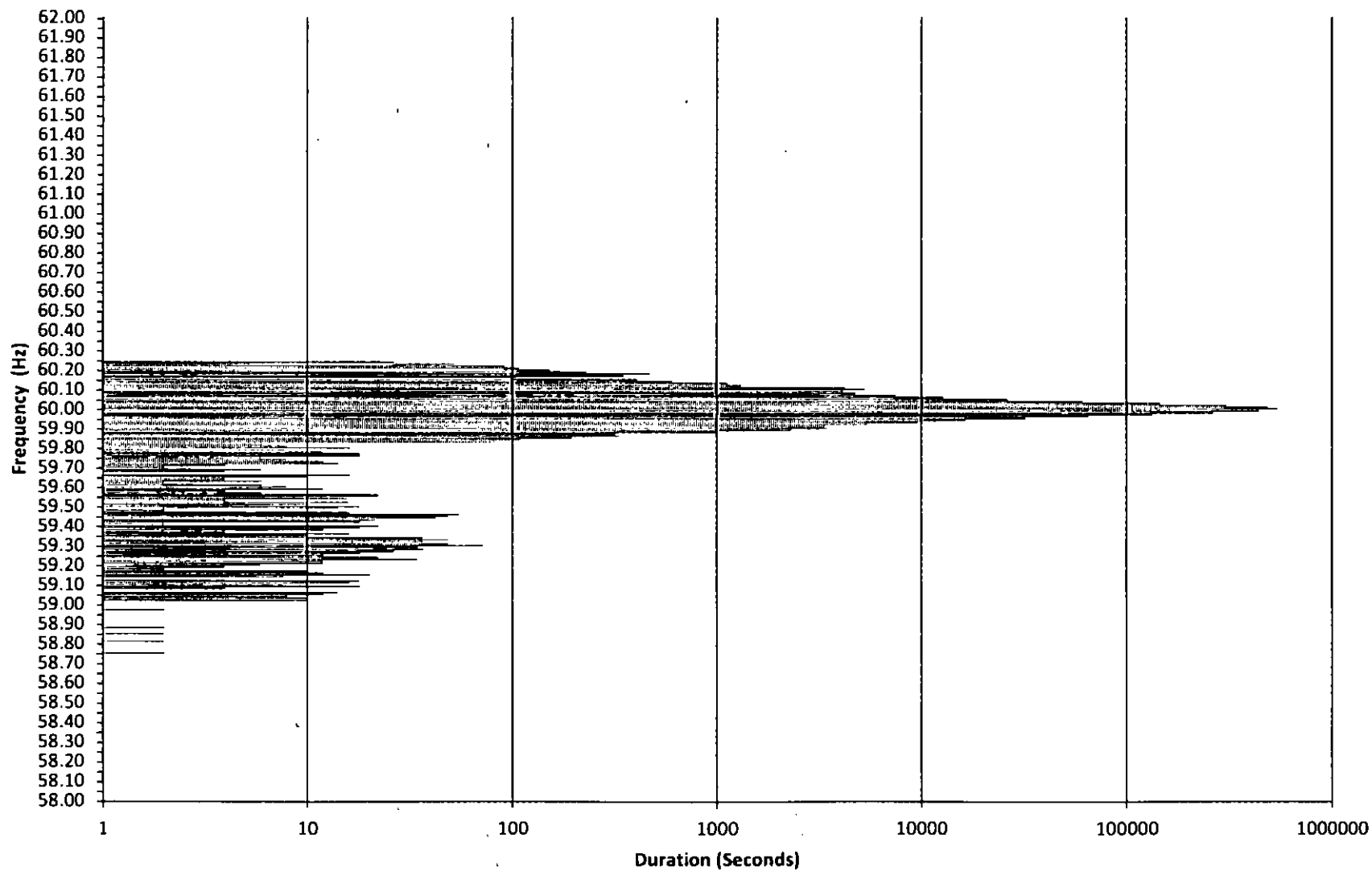
3b) Total MWh of non-dispatchable renewable resources curtailed for the month:

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.

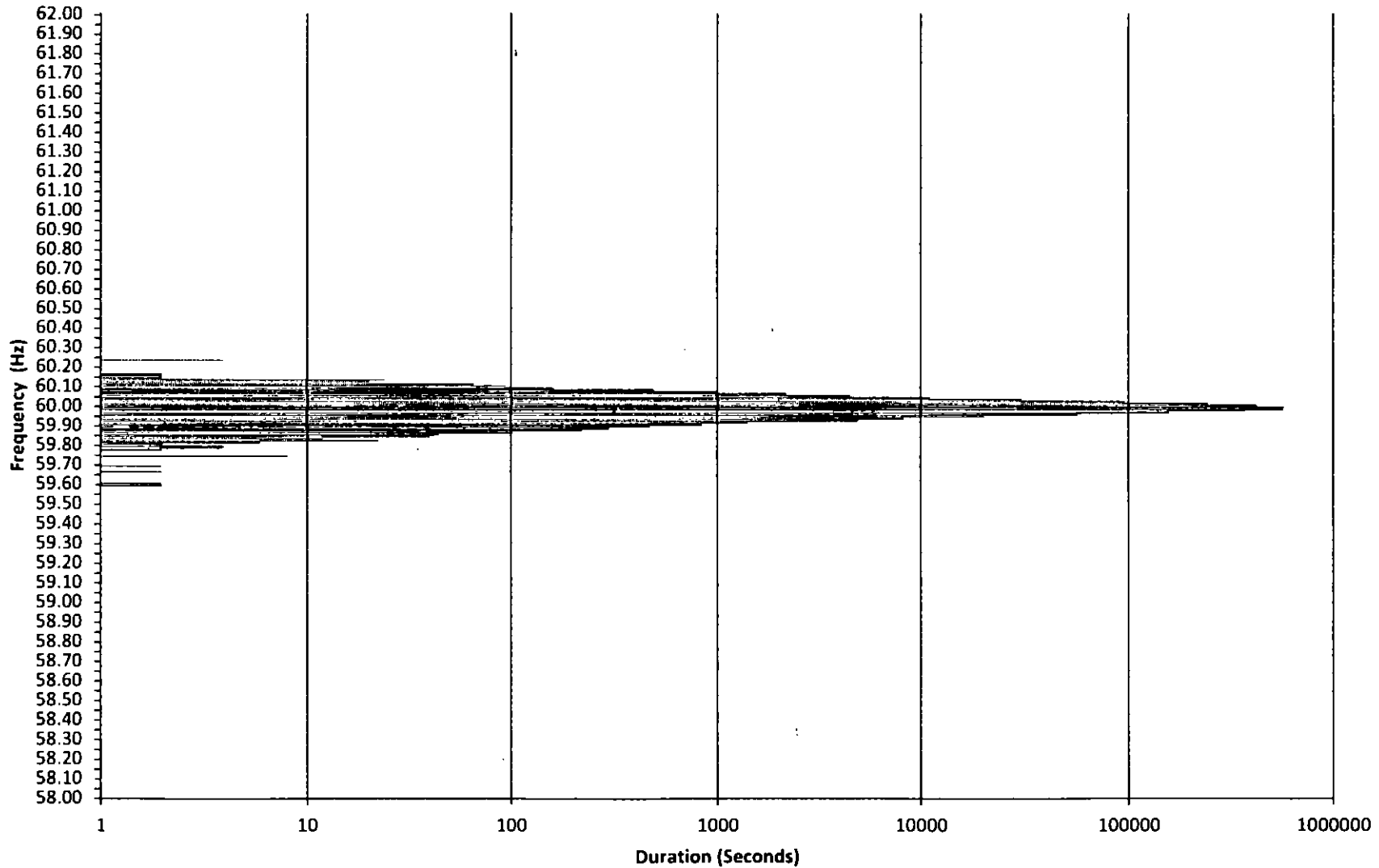
Frequency Distribution Plot - Hawaiian Electric September 2013



Maui Electric Frequency Distribution Plot - Maui September 2013



Frequency Distribution Plot - Hawai'i Electric Light September 2013



Hawaiian Electric Frequency Excursion Statistics September 2013		
Data Rounded to the nearest	<59.95 Hz	>60.05 Hz
Number of Excursions	900	802
Maximum Duration (sec)	448	424
Maximum Deviation (Hz)	59.626	60.167
Total Duration of Excursions (sec)	22050	19428

Maui Electric Frequency Excursion Statistics September 2013		
	<59.95 Hz	>60.05 Hz
Number of Excursions	5630	3562
Maximum Duration (sec)	1338	4274
Maximum Deviation (Hz)	58.748	60.244
Total Duration of Excursions (sec)	58738	51900

Hawai'i Electric Light Frequency Excursion Statistics September 2013		
	<59.95 Hz	>60.05 Hz
Number of Excursions	8776	874
Maximum Duration (sec)	398	98
Maximum Deviation (Hz)	59.58789	60.22754
Total Duration of Excursions (sec)	59198	5838

Hawaiian Electric Curtailment Report September 2013

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
09/10/13 06:33	0.0	7.60	09/10/13 09:23	0	*	Mauka	Equipment repairs on Wahawa-Waiailua 2 46kV line
09/10/13 06:34	0.0	3.00	09/10/13 16:27	0	*	Makai	Equipment repairs on Wahawa-Waiailua 2 46kV line
09/10/13 06:34	0.0	2.80	09/10/13 16:26	0	*	KWF	Equipment repairs on Wahawa-Waiailua 2 46kV line
09/10/13 14:41	0.0	9.00	09/10/13 16:00	0	*	Mauka	Equipment repairs on Wahawa-Waiailua 2 46kV line
09/23/13 07:31	0.0	4.30	09/23/13 08:35	0	*	Makai	Pole replacement on Wahawa-Waiailua 1 46kV line
09/23/13 07:32	0.0	6.80	09/23/13 17:58	0	*	Mauka	Pole replacement on Wahawa-Waiailua 1 46kV line
09/23/13 07:33	0.0	0.00	09/23/13 08:35	0	*	KWF	Pole replacement on Wahawa-Waiailua 1 46kV line
09/23/13 17:00	0.0	4.70	09/23/13 17:58	0	*	KWF	Pole replacement on Wahawa-Waiailua 1 46kV line
09/24/13 07:31	0.0	5.00	09/24/13 08:14	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line
09/24/13 15:19	0.0	4.40	09/24/13 15:58	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line
09/25/13 07:03	0.0	4.30	09/25/13 08:13	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line & Wahawa-Waiailua 1 46kV line
09/25/13 14:02	0.0	4.50	09/25/13 15:49	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line & Wahawa-Waiailua 1 46kV line
09/26/13 06:13	0.0	4.30	09/26/13 08:00	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line & Wahawa-Waiailua 1 46kV line
09/26/13 14:18	0.0	4.50	09/26/13 17:09	0	*	KWF	Pole replacement on Koolau-Kahuku 46kV line & Wahawa-Waiailua 1 46kV line
09/27/13 07:17	0.0	0.00	09/27/13 18:59	0	*	KWF	Equipment repairs at Waiulus substation
	0.0			0	*		

KLS2 = Kaleloa Solar 2 PV Farm

KWF = Kahuku Wind Farm

Makai = Kawailoa Makai Wind Farm

Mauka = Kawailoa Mauka Wind Farm

(1) The estimated MWh of energy curtailed during the event is supplied by Kahuku Wind Farm and/or Kawailoa Wind Farm, and HECO does not make any representations as to its accuracy

* Data has not been provided by IPP

Maul Electric - Maul Curtailment Report September 2013

Start Date and Time	Duration	PP Curtailment	Estimated Curtailment MWH	Peak MW Curtailment	Reasons for Curtailment
9/1/2013 0:00	0:30	KWPII	12.690	20.708	AGC MAVG - calculated
9/1/2013 0:04	0:02	AWE	0.023	12.600	AGC MAVG - calculated
9/1/2013 0:08	0:01	AWE	0.000	10.700	AGC MAVG - calculated
9/1/2013 0:14	0:01	AWE	0.001	10.000	AGC MAVG - calculated
9/1/2013 0:16	0:01	AWE	0.008	9.600	AGC MAVG - calculated
9/1/2013 0:24	0:01	AWE	0.000	8.600	AGC MAVG - calculated
9/1/2013 0:28	0:01	AWE	0.011	7.900	AGC MAVG - calculated
9/1/2013 0:31	0:03	AWE	0.026	8.600	AGC MAVG - calculated
9/1/2013 0:41	10:36	KWPII	169.527	20.708	AGC MAVG - calculated
9/1/2013 0:50	0:10	AWE	0.485	15.700	AGC MAVG - calculated
9/1/2013 1:10	0:02	AWE	0.048	12.000	AGC MAVG - calculated
9/1/2013 1:14	0:14	AWE	0.930	14.600	AGC MAVG - calculated
9/1/2013 1:18	0:28	KWPII	0.624	12.600	AGC MAVG - calculated
9/1/2013 2:02	2:24	AWE	17.216	18.100	AGC MAVG - calculated
9/1/2013 4:27	0:11	AWE	0.516	15.100	AGC MAVG - calculated
9/1/2013 4:39	1:04	AWE	5.395	19.100	AGC MAVG - calculated
9/1/2013 5:58	0:01	AWE	0.000	13.800	AGC MAVG - calculated
9/1/2013 6:03	0:12	AWE	0.312	17.500	AGC MAVG - calculated
9/1/2013 6:16	0:02	AWE	0.024	15.600	AGC MAVG - calculated
9/1/2013 6:23	0:01	AWE	0.001	19.700	AGC MAVG - calculated
9/1/2013 6:46	0:02	AWE	0.033	18.700	AGC MAVG - calculated
9/1/2013 6:49	0:11	AWE	0.289	19.800	AGC MAVG - calculated
9/1/2013 7:02	0:02	AWE	0.018	17.200	AGC MAVG - calculated
9/1/2013 7:05	0:02	AWE	0.012	18.300	AGC MAVG - calculated
9/1/2013 7:09	0:01	AWE	0.000	19.200	AGC MAVG - calculated
9/1/2013 7:27	0:01	AWE	0.001	19.200	AGC MAVG - calculated
9/1/2013 7:43	0:01	AWE	0.001	20.700	AGC MAVG - calculated
9/1/2013 11:18	0:03	KWPII	0.101	18.863	AGC MAVG - calculated
9/1/2013 11:23	0:02	KWPII	0.030	17.826	AGC MAVG - calculated
9/1/2013 12:43	0:01	KWPII	0.016	18.136	AGC MAVG - calculated
9/1/2013 12:58	0:05	KWPII	0.195	18.708	AGC MAVG - calculated
9/1/2013 13:26	0:08	KWPII	0.124	15.856	AGC MAVG - calculated
9/1/2013 13:37	0:04	KWPII	0.183	17.489	AGC MAVG - calculated
9/1/2013 13:42	0:03	KWPII	0.186	18.653	AGC MAVG - calculated
9/1/2013 13:46	0:09	KWPII	0.405	15.950	AGC MAVG - calculated, AGC MAVG - entered, and AGC MAVG - calculated
9/1/2013 14:09	0:02	KWPII	0.057	15.593	AGC MAVG - calculated
9/1/2013 14:13	0:03	KWPII	0.011	15.732	AGC MAVG - calculated
9/1/2013 14:19	0:01	KWPII	0.010	9.963	AGC MAVG - calculated
9/1/2013 14:43	0:02	KWPII	0.060	14.051	AGC MAVG - calculated
9/1/2013 14:46	0:08	KWPII	0.108	13.250	AGC MAVG - calculated
9/1/2013 14:55	0:04	KWPII	0.175	13.826	AGC MAVG - calculated
9/1/2013 15:00	0:02	KWPII	0.082	13.660	AGC MAVG - calculated
9/1/2013 15:03	0:34	KWPII	2.544	17.834	AGC MAVG - calculated
9/1/2013 15:30	0:06	KWPII	0.258	19.477	AGC MAVG - calculated
9/1/2013 15:46	0:01	KWPII	0.002	14.003	AGC MAVG - calculated
9/1/2013 15:58	0:02	KWPII	0.024	13.523	AGC MAVG - calculated
9/1/2013 15:53	0:01	KWPII	0.024	13.433	AGC MAVG - calculated
9/1/2013 15:55	0:01	KWPII	0.030	12.707	AGC MAVG - calculated
9/1/2013 15:58	0:01	KWPII	0.011	12.946	AGC MAVG - calculated
9/1/2013 16:08	0:01	KWPII	0.012	12.394	AGC MAVG - calculated
9/1/2013 16:14	0:01	KWPII	0.002	11.821	AGC MAVG - calculated
9/1/2013 16:31	0:08	KWPII	0.181	16.825	AGC MAVG - calculated and Testing
9/1/2013 16:40	0:01	KWPII	0.008	13.349	AGC MAVG - calculated and Testing
9/1/2013 16:42	0:08	KWPII	0.148	15.058	AGC MAVG - calculated and Testing
9/1/2013 16:52	0:01	KWPII	0.011	13.516	AGC MAVG - calculated and Testing
9/1/2013 16:54	0:01	KWPII	0.020	13.951	AGC MAVG - calculated
9/1/2013 17:04	0:02	KWPII	0.034	13.791	AGC MAVG - calculated
9/1/2013 17:06	0:03	KWPII	0.069	13.112	AGC MAVG - calculated and Testing
9/1/2013 17:13	0:03	KWPII	0.070	14.328	AGC MAVG - calculated and Testing
9/1/2013 17:20	0:43	KWPII	3.997	17.472	AGC MAVG - calculated, Testing, and AGC MAVG - entered
9/1/2013 18:04	1:30	KWPII	19.940	18.041	AGC MAVG - entered - Maintaining Regulating Reserves, Testing, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG - calculated
9/1/2013 19:35	4:16	KWPII	36.555	19.911	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
9/1/2013 23:29	0:01	AWE	0.001	20.000	AGC MAVG - calculated
9/1/2013 23:32	0:01	AWE	0.001	20.700	AGC MAVG - calculated
9/1/2013 23:53	2:46	KWPII	45.052	19.029	AGC MAVG - calculated
9/2/2013 0:08	0:01	AWE	0.002	21.000	AGC MAVG - calculated
9/2/2013 0:36	0:01	AWE	0.000	17.300	AGC MAVG - calculated
9/2/2013 0:41	0:01	AWE	0.000	16.100	AGC MAVG - calculated
9/2/2013 0:47	0:01	AWE	0.000	15.700	AGC MAVG - calculated
9/2/2013 1:11	0:02	AWE	0.001	15.300	AGC MAVG - calculated
9/2/2013 1:20	0:01	AWE	0.001	12.300	AGC MAVG - calculated
9/2/2013 1:25	0:02	AWE	0.001	14.400	AGC MAVG - calculated
9/2/2013 1:28	0:01	AWE	0.001	14.100	AGC MAVG - calculated
9/2/2013 1:33	0:02	AWE	0.001	14.100	AGC MAVG - calculated
9/2/2013 1:37	0:01	AWE	0.001	14.800	AGC MAVG - calculated
9/2/2013 1:40	0:01	AWE	0.000	13.200	AGC MAVG - calculated
9/2/2013 1:43	0:01	AWE	0.001	12.800	AGC MAVG - calculated
9/2/2013 1:47	0:01	AWE	0.003	11.800	AGC MAVG - calculated
9/2/2013 1:49	0:25	AWE	1.333	15.600	AGC MAVG - calculated
9/2/2013 2:27	0:01	AWE	0.000	17.500	AGC MAVG - calculated
9/2/2013 2:32	0:02	AWE	0.001	15.800	AGC MAVG - calculated
9/2/2013 2:42	1:55	KWPII	23.713	19.156	AGC MAVG - calculated
9/2/2013 3:21	0:01	AWE	0.001	10.600	AGC MAVG - calculated
9/2/2013 3:27	0:01	AWE	0.011	10.600	AGC MAVG - calculated
9/2/2013 3:41	0:12	AWE	0.555	19.100	AGC MAVG - calculated
9/2/2013 3:54	0:01	AWE	0.032	15.200	AGC MAVG - calculated
9/2/2013 3:58	0:01	AWE	0.005	15.500	AGC MAVG - calculated
9/2/2013 4:00	0:01	AWE	0.008	17.200	AGC MAVG - calculated
9/2/2013 4:06	0:01	AWE	0.010	16.800	AGC MAVG - calculated
9/2/2013 4:11	0:11	AWE	0.353	16.600	AGC MAVG - calculated
9/2/2013 4:23	0:01	AWE	0.004	12.200	AGC MAVG - calculated
9/2/2013 4:25	0:01	AWE	0.002	13.100	AGC MAVG - calculated
9/2/2013 4:28	0:01	AWE	0.012	12.100	AGC MAVG - calculated
9/2/2013 4:39	0:55	KWPII	10.830	19.066	AGC MAVG - calculated
9/2/2013 5:35	4:03	KWPII	44.148	19.911	AGC MAVG - calculated
9/2/2013 9:41	0:03	KWPII	0.076	18.875	AGC MAVG - calculated
9/2/2013 9:45	0:03	KWPII	0.114	18.543	AGC MAVG - calculated
9/2/2013 9:49	0:16	KWPII	1.612	19.114	AGC MAVG - calculated
9/2/2013 10:06	0:58	KWPII	4.268	19.056	AGC MAVG - calculated
9/2/2013 11:06	0:01	KWPII	0.025	17.241	AGC MAVG - calculated
9/2/2013 11:08	0:19	KWPII	0.727	18.106	AGC MAVG - calculated
9/2/2013 11:28	0:03	KWPII	0.021	16.511	AGC MAVG - calculated
9/2/2013 11:33	0:17	KWPII	0.710	18.130	AGC MAVG - calculated
9/2/2013 11:51	0:06	KWPII	0.203	18.888	AGC MAVG - calculated
9/2/2013 11:58	0:03	KWPII	0.041	17.930	AGC MAVG - calculated
9/2/2013 12:03	0:12	KWPII	0.333	18.804	AGC MAVG - calculated
9/2/2013 12:16	0:02	KWPII	0.075	18.457	AGC MAVG - calculated
9/2/2013 12:19	0:06	KWPII	0.139	17.850	AGC MAVG - calculated
9/2/2013 12:26	0:01	KWPII	0.033	18.783	AGC MAVG - calculated
9/2/2013 12:28	0:06	KWPII	0.151	17.820	AGC MAVG - calculated
9/2/2013 12:34	0:01	KWPII	0.001	17.044	AGC MAVG - calculated
9/2/2013 12:37	0:02	KWPII	0.027	16.222	AGC MAVG - calculated
9/2/2013 12:41	0:03	KWPII	0.043	17.356	AGC MAVG - calculated
9/2/2013 12:48	0:05	KWPII	0.117	16.665	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
9/2/2013 13 01	0:02	KWPII	0.018	16 837	AGC MAVG - calculated
9/2/2013 13 04	0:02	KWPII	0.016	17 799	AGC MAVG - calculated
9/2/2013 13 18	0:01	KWPII	0.010	18 292	AGC MAVG - calculated
9/2/2013 13 21	0:16	KWPII	0.697	18 823	AGC MAVG - calculated
9/2/2013 13 39	0:11	KWPII	0.430	18 001	AGC MAVG - calculated
9/2/2013 13 51	0:01	KWPII	0.013	17 245	AGC MAVG - calculated
9/2/2013 14 04	0:01	KWPII	0.001	16 613	AGC MAVG - calculated
9/2/2013 14 19	0:01	KWPII	0.040	15 891	AGC MAVG - calculated
9/2/2013 14 21	0:03	KWPII	0.035	15 434	AGC MAVG - calculated
9/2/2013 16 04	0:01	KWPII	0.011	16 824	AGC MAVG - calculated
9/2/2013 16 06	0:03	KWPII	0.092	17 860	AGC MAVG - calculated
9/2/2013 16 12	0:05	KWPII	0.116	17 851	AGC MAVG - calculated
9/2/2013 16 18	0:03	KWPII	0.095	17 880	AGC MAVG - calculated
9/2/2013 16 23	0:01	KWPII	0.003	18 060	AGC MAVG - calculated
9/2/2013 16 30	0:01	KWPII	0.006	18 070	AGC MAVG - calculated
9/2/2013 16 32	0:01	KWPII	0.008	17 858	AGC MAVG - calculated
9/2/2013 16 34	0:01	KWPII	0.008	18 110	AGC MAVG - calculated
9/2/2013 16 36	0:02	KWPII	0.035	18 185	AGC MAVG - calculated
9/2/2013 16 41	0:01	KWPII	0.013	18 407	AGC MAVG - calculated
9/2/2013 16 44	0:01	KWPII	0.004	18 196	AGC MAVG - calculated
9/2/2013 16 46	0:02	KWPII	0.043	18 062	AGC MAVG - calculated
9/2/2013 16 50	0:02	KWPII	0.034	18 268	AGC MAVG - calculated
9/2/2013 16 56	0:03	KWPII	0.053	18 599	AGC MAVG - calculated
9/2/2013 17 01	0:15	KWPII	0.158	18 559	AGC MAVG - calculated
9/2/2013 17 17	0:06	KWPII	0.303	19 100	AGC MAVG - calculated
9/2/2013 17 27	0:01	KWPII	0.014	18 964	AGC MAVG - calculated
9/2/2013 17 29	0:04	KWPII	0.049	19 017	AGC MAVG - calculated and Testing
9/2/2013 17 34	0:10	KWPII	0.334	19 172	AGC MAVG - calculated and Testing
9/2/2013 17 46	0:02	KWPII	0.010	19 106	AGC MAVG - calculated and Testing
9/2/2013 18 06	0:01	KWPII	0.002	19 078	AGC MAVG - calculated
9/2/2013 21 01	0:10	KWPII	0.260	19 158	AGC MAVG - calculated
9/2/2013 21 19	0:01	KWPII	0.000	19 181	AGC MAVG - calculated
9/2/2013 21 21	0:28	KWPII	1.538	19 202	AGC MAVG - calculated
9/2/2013 21 52	0:10	KWPII	0.180	19 154	AGC MAVG - calculated
9/2/2013 22 03	0:01	KWPII	0.001	19 023	AGC MAVG - calculated
9/2/2013 22 06	0:09	KWPII	0.308	18 996	AGC MAVG - calculated
9/2/2013 22 18	0:13	KWPII	0.330	18 421	AGC MAVG - calculated
9/2/2013 22 32	0:14	KWPII	0.450	18 153	AGC MAVG - calculated
9/2/2013 22 47	0:06	KWPII	0.119	17 681	AGC MAVG - calculated
9/2/2013 22 59	0:04	KWPII	0.027	18 543	AGC MAVG - calculated
9/2/2013 23 04	0:01	KWPII	0.004	18 209	AGC MAVG - calculated
9/2/2013 23 07	0:01	KWPII	0.001	18 562	AGC MAVG - calculated
9/2/2013 23 10	0:03	KWPII	0.038	18 443	AGC MAVG - calculated
9/2/2013 23 15	0:01	KWPII	0.003	17 871	AGC MAVG - calculated
9/2/2013 23 24	0:02	KWPII	0.036	18 659	AGC MAVG - calculated
9/2/2013 23 27	0:01	KWPII	0.011	18 102	AGC MAVG - calculated
9/2/2013 23 30	0:02	KWPII	0.003	18 669	AGC MAVG - calculated
9/3/2013 1 28	0:01	KWPII	0.008	14 463	AGC MAVG - calculated
9/3/2013 1 31	0:03	KWPII	0.085	14 685	AGC MAVG - calculated
9/3/2013 1 35	4:25	KWPII	54 438	19 211	AGC MAVG - calculated
9/3/2013 2 37	0:01	AWE	0.000	4 700	AGC MAVG - calculated
9/3/2013 2 39	0:04	AWE	0.057	5 300	AGC MAVG - calculated
9/3/2013 2 47	0:02	AWE	0.009	4 800	AGC MAVG - calculated
9/3/2013 3 09	0:01	AWE	0.001	4 800	AGC MAVG - calculated
9/3/2013 3 20	0:01	AWE	0.001	4 300	AGC MAVG - calculated
9/3/2013 3 24	0:01	AWE	0.001	4 100	AGC MAVG - calculated
9/3/2013 4 51	0:01	AWE	0.002	0 100	AGC MAVG - calculated
9/3/2013 6 01	0:12	KWPII	0.196	19 137	AGC MAVG - calculated
9/3/2013 7 57	0:01	KWPII	0.004	16 351	AGC MAVG - calculated
9/3/2013 8 00	0:03	KWPII	0.018	15 897	AGC MAVG - calculated
9/3/2013 8 04	0:04	KWPII	0.178	15 988	AGC MAVG - calculated
9/3/2013 16 39	0:01	KWPII	0.002	18 418	AGC MAVG - calculated
9/3/2013 16 43	1:14	KWPII	5 878	20 704	AGC MAVG - calculated
9/3/2013 18 10	0:01	KWPII	0.001	20 319	AGC MAVG - calculated
9/3/2013 23 24	0:01	AWE	0.005	0 300	AGC MAVG - calculated
9/4/2013 0 22	0:01	KWPII	0.009	13 985	AGC MAVG - calculated
9/4/2013 0 25	0:01	KWPII	0.039	13 123	AGC MAVG - calculated
9/4/2013 0 27	0:01	KWPII	0.003	11 728	AGC MAVG - calculated
9/5/2013 8 14	0:01	AWE	0.003	0 200	AGC MAVG - calculated
9/5/2013 15 43	0:01	KWP	0.000	0 016	AGC MAVG - calculated and Testing
9/5/2013 17 30	0:01	KWP	0.001	0 032	AGC MAVG - calculated and Testing
9/5/2013 17 43	0:01	KWP	0.001	0 032	AGC MAVG - calculated and Testing
9/6/2013 17 59	0:01	AWE	0.005	0 300	AGC MAVG - calculated
9/6/2013 19 36	0:09	KWPII	0.248	20 615	AGC MAVG - calculated
9/6/2013 19 59	0:04	KWPII	0.046	20 495	AGC MAVG - calculated
9/6/2013 20 10	0:05	KWPII	0.096	20 504	AGC MAVG - calculated
9/6/2013 20 16	0:01	KWPII	0.005	20 256	AGC MAVG - calculated
9/6/2013 20 40	0:01	KWPII	0.005	20 432	AGC MAVG - calculated
9/6/2013 20 55	0:18	KWPII	0 817	20 580	AGC MAVG - calculated
9/7/2013 0 44	0:01	KWPII	0.006	20 591	AGC MAVG - calculated
9/7/2013 0 46	0:02	KWPII	0.020	20 574	AGC MAVG - calculated
9/7/2013 0 49	0:08	KWPII	0.823	20 540	AGC MAVG - calculated
9/7/2013 1 18	0:01	KWPII	0.040	19 667	AGC MAVG - calculated
9/7/2013 2 20	0:03	KWPII	0.005	19 731	AGC MAVG - calculated
9/7/2013 2 23	0:24	KWPII	1 231	20 629	AGC MAVG - calculated, AGC MAVG - entered, Excess Energy, and AGC MAVG - calculated
9/7/2013 2 55	0:01	KWPII	0.009	17 668	AGC MAVG - calculated
9/7/2013 2 57	0:06	KWPII	0.092	19 243	AGC MAVG - calculated
9/7/2013 3 05	0:01	KWPII	0.009	18 087	AGC MAVG - calculated
9/7/2013 3 07	0:01	KWPII	0.000	18 609	AGC MAVG - calculated
9/7/2013 3 13	0:01	KWPII	0.012	17 114	AGC MAVG - calculated
9/7/2013 3 18	0:36	KWPII	2 900	19 401	AGC MAVG - calculated, AGC MAVG - entered, Excess Energy, and AGC MAVG - calculated
9/7/2013 3 29	0:01	AWE	0.002	0 100	AGC MAVG - entered - Excess Energy
9/7/2013 3 31	0:23	AWE	0 393	3 400	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
9/7/2013 3 57	0:58	KWPII	9 782	20 111	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
9/7/2013 4 37	0:06	KWPII	0 294	15 418	AGC MAVG - calculated
9/7/2013 7 55	0:02	KWPII	0 014	6 070	AGC MAVG - calculated
9/7/2013 8 13	0:01	AWE	0 000	21 000	AGC MAVG - calculated
9/7/2013 11 32	0:08	KWPII	0 127	16 364	AGC MAVG - calculated
9/7/2013 11 39	0:02	KWPII	0 046	11 449	AGC MAVG - calculated and Testing
9/7/2013 11 33	0:04	KWPII	0 153	7 857	AGC MAVG - calculated and Testing
9/7/2013 11 54	0:01	KWPII	0 003	6 620	AGC MAVG - calculated
9/7/2013 12 00	0:01	KWPII	0 029	7 403	AGC MAVG - calculated
9/7/2013 12 04	0:12	KWPII	1 073	17 152	AGC MAVG - calculated
9/7/2013 12 18	0:03	KWPII	0 074	11 754	AGC MAVG - calculated
9/7/2013 12 23	0:04	KWPII	0 055	10 219	AGC MAVG - calculated
9/7/2013 12 29	0:06	KWPII	0 285	13 045	AGC MAVG - calculated
9/7/2013 12 35	0:07	KWPII	0 221	12 039	AGC MAVG - calculated
9/7/2013 12 43	0:20	KWPII	1 105	16 299	AGC MAVG - calculated
9/7/2013 13 04	0:06	KWPII	0 114	14 982	AGC MAVG - calculated
9/7/2013 13 24	0:01	KWPII	0 011	8 429	AGC MAVG - calculated
9/7/2013 13 34	0:01	KWPII	0 012	12 000	AGC MAVG - calculated
9/7/2013 13 36	0:02	KWPII	0 022	15 193	AGC MAVG - calculated
9/7/2013 13 40	0:02	KWPII	0 011	15 832	AGC MAVG - calculated
9/7/2013 13 45	0:07	KWPII	0 147	16 917	AGC MAVG - calculated
9/7/2013 13 53	0:01	KWPII	0 008	15 064	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailment	Estimated Curtailment MWH	Peak MW Curtailment	Reasons for Curtailment
9/7/2013 13:55	0:01	KWPII	0.028	15.653	AGC MAVG - calculated
9/7/2013 14:00	0:08	KWPII	0.207	16.654	AGC MAVG - calculated
9/7/2013 14:28	0:18	KWPII	0.426	19.421	AGC MAVG - calculated
9/7/2013 14:48	0:03	KWPII	0.030	18.003	AGC MAVG - calculated
9/7/2013 14:53	0:03	KWPII	0.053	18.189	AGC MAVG - calculated
9/7/2013 14:57	0:02	KWPII	0.101	17.687	AGC MAVG - calculated
9/7/2013 15:01	0:01	KWPII	0.020	19.139	AGC MAVG - calculated
9/7/2013 15:05	0:01	KWPII	0.013	17.237	AGC MAVG - calculated
9/7/2013 15:08	0:01	KWPII	0.010	18.064	AGC MAVG - calculated
9/7/2013 15:11	0:07	KWPII	0.390	18.570	AGC MAVG - calculated
9/7/2013 15:19	0:03	KWPII	0.103	17.963	AGC MAVG - calculated
9/7/2013 15:23	0:12	KWPII	0.832	18.823	AGC MAVG - calculated
9/7/2013 15:36	0:04	KWPII	0.104	18.173	AGC MAVG - calculated
9/7/2013 15:46	0:06	KWPII	0.115	19.826	AGC MAVG - calculated
9/7/2013 16:00	0:08	KWPII	0.175	19.169	AGC MAVG - calculated
9/7/2013 16:07	0:12	KWPII	0.341	20.407	AGC MAVG - calculated
9/7/2013 16:21	0:02	KWPII	0.009	20.331	AGC MAVG - calculated
9/7/2013 16:24	0:01	KWPII	0.001	20.383	AGC MAVG - calculated
9/7/2013 16:32	0:06	KWPII	0.087	20.687	AGC MAVG - calculated
9/7/2013 17:05	0:03	KWPII	0.004	20.694	AGC MAVG - calculated
9/7/2013 17:10	0:07	KWPII	0.056	20.704	AGC MAVG - calculated
9/7/2013 17:21	0:02	KWPII	0.013	20.708	AGC MAVG - calculated
9/7/2013 18:03	0:03	KWPII	0.051	20.708	AGC MAVG - calculated
9/7/2013 18:16	0:04	KWPII	0.027	20.698	AGC MAVG - calculated
9/7/2013 18:30	0:01	KWPII	0.000	20.698	AGC MAVG - calculated
9/7/2013 19:43	0:01	KWPII	0.000	20.690	AGC MAVG - calculated
9/7/2013 19:46	0:02	KWPII	0.012	20.701	AGC MAVG - calculated
9/7/2013 19:49	0:06	KWPII	0.141	20.700	AGC MAVG - calculated
9/7/2013 19:56	0:01	KWPII	0.008	20.804	AGC MAVG - calculated
9/7/2013 19:58	0:07	KWPII	0.158	20.631	AGC MAVG - calculated
9/7/2013 20:06	2:12	KWPII	8.379	20.581	AGC MAVG - calculated
9/7/2013 22:34	0:01	KWPII	0.023	15.413	AGC MAVG - calculated
9/7/2013 22:37	0:08	KWPII	0.412	19.105	AGC MAVG - calculated
9/7/2013 22:58	0:01	KWPII	0.006	20.113	AGC MAVG - calculated
9/7/2013 23:01	7:18	KWPII	102.281	20.656	AGC MAVG - calculated
9/8/2013 1:10	0:20	AWE	0.682	18.100	AGC MAVG - calculated
9/8/2013 1:31	0:01	AWE	0.001	13.800	AGC MAVG - calculated
9/8/2013 1:34	0:20	AWE	0.629	15.100	AGC MAVG - calculated
9/8/2013 1:55	0:01	AWE	0.007	11.300	AGC MAVG - calculated
9/8/2013 1:57	0:03	AWE	0.037	12.100	AGC MAVG - calculated
9/8/2013 2:01	0:08	AWE	0.174	13.800	AGC MAVG - calculated
9/8/2013 2:06	0:01	AWE	0.009	12.600	AGC MAVG - calculated
9/8/2013 2:11	0:50	AWE	2.182	16.300	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
9/8/2013 3:02	7:23	AWE	16.533	18.300	AGC MAVG - calculated
9/8/2013 5:28	0:01	AWE	0.000	17.300	AGC MAVG - calculated
9/8/2013 5:48	0:02	AWE	0.001	20.100	AGC MAVG - calculated
9/8/2013 6:20	1:01	KWPII	8.997	18.232	AGC MAVG - calculated
9/8/2013 7:23	0:38	KWPII	3.288	18.811	AGC MAVG - calculated
9/8/2013 8:00	0:01	KWPII	0.019	12.848	AGC MAVG - calculated
9/8/2013 10:52	0:01	KWPII	0.000	0.010	AGC MAVG - calculated
9/8/2013 12:25	0:01	KWPII	0.000	0.010	AGC MAVG - calculated
9/8/2013 13:24	0:01	KWPII	0.003	13.118	AGC MAVG - calculated
9/8/2013 1:18	0:29	KWPII	2.215	14.922	AGC MAVG - calculated
9/8/2013 1:48	0:43	KWPII	3.608	17.218	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
9/8/2013 2:33	0:01	KWPII	0.008	10.067	AGC MAVG - calculated
9/8/2013 2:38	0:03	KWPII	0.082	13.347	AGC MAVG - calculated
9/8/2013 2:43	0:11	KWPII	1.080	14.443	AGC MAVG - entered - Excess Energy and AGC MAVG - calculated
9/8/2013 2:58	0:01	KWPII	0.004	10.825	AGC MAVG - calculated
9/8/2013 3:30	0:01	KWPII	0.003	10.286	AGC MAVG - calculated
9/8/2013 3:34	0:01	KWPII	0.007	10.301	AGC MAVG - calculated
9/8/2013 3:37	0:01	KWPII	0.017	9.733	AGC MAVG - calculated
9/8/2013 3:39	0:04	KWPII	0.048	11.979	AGC MAVG - calculated
9/8/2013 3:44	0:01	KWPII	0.012	13.275	AGC MAVG - entered - Excess Energy
9/8/2013 3:46	0:30	KWPII	4.167	18.005	AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, AGC MAVG - calculated, and Testing
9/8/2013 4:20	0:03	AWE	0.003	9.900	AGC MAVG - calculated and Testing
9/8/2013 4:24	0:27	AWE	1.084	8.300	AGC MAVG - calculated and Testing
9/8/2013 4:52	0:38	AWE	2.030	16.400	AGC MAVG - calculated and Testing
9/8/2013 5:21	0:01	AWE	0.026	10.300	AGC MAVG - calculated and Testing
9/8/2013 5:28	0:01	AWE	0.012	10.700	AGC MAVG - calculated and Testing
9/8/2013 5:31	0:01	AWE	0.000	10.800	AGC MAVG - calculated and Testing
9/8/2013 7:30	0:01	AWE	0.001	20.300	AGC MAVG - calculated and Testing
9/8/2013 7:34	0:47	KWPII	15.013	20.708	AGC MAVG - calculated, Testing, and Good Engineering and Operating Practices
9/8/2013 7:46	0:21	AWE	0.850	18.800	AGC MAVG - calculated and Good Engineering and Operating Practices
9/8/2013 8:11	0:01	AWE	0.001	17.300	AGC MAVG - calculated and Good Engineering and Operating Practices
9/8/2013 8:22	1:53	KWPII	22.564	20.708	AGC MAVG - calculated, Good Engineering and Operating Practices, and Testing
9/8/2013 14:35	0:01	KWPII	0.003	0.288	AGC MAVG - calculated
9/8/2013 23:14	0:01	AWE	0.002	2.100	AGC MAVG - entered - Maintaining Regulating Reserves
9/8/2013 23:19	0:01	AWE	0.003	2.200	AGC MAVG - entered - Maintaining Regulating Reserves
9/10/2013 5:06	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/10/2013 9:55	0:01	AWE	0.000	17.000	AGC MAVG - calculated
9/10/2013 10:34	0:01	AWE	0.000	18.600	AGC MAVG - calculated
9/10/2013 20:12	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/10/2013 20:14	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/11/2013 6:28	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/11/2013 6:56	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/12/2013 10:38	0:01	AWE	0.003	0.200	AGC MAVG - calculated
9/12/2013 11:18	0:01	AWE	0.003	0.200	AGC MAVG - calculated
9/12/2013 12:22	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/12/2013 12:26	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/12/2013 23:13	0:01	KWPII	0.004	11.957	AGC MAVG - calculated
9/12/2013 23:16	0:01	KWPII	0.003	11.857	AGC MAVG - calculated
9/12/2013 23:18	0:01	KWPII	0.005	14.090	AGC MAVG - calculated
9/13/2013 0:05	0:02	KWPII	0.015	13.248	AGC MAVG - calculated
9/13/2013 0:08	0:01	KWPII	0.020	13.445	AGC MAVG - calculated
9/13/2013 0:58	0:14	KWPII	0.526	20.093	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and Good Engineering and Operating Practices
9/13/2013 1:04	0:25	KWPII	0.772	26.576	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
9/13/2013 1:30	0:42	KWPII	1.828	26.672	AGC MAVG - entered - Maintaining Regulating Reserves, Good Engineering and Operating Practices, Testing, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and Good Engineering and Operating Practices
9/13/2013 1:38	0:07	KWPII	0.081	7.330	AGC MAVG - calculated and Testing
9/13/2013 1:47	0:35	KWPII	7.223	17.458	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, Good Engineering and Operating Practices, and AGC MAVG - calculated
9/13/2013 2:04	0:01	AWE	0.000	16.400	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
9/13/2013 2:06	0:01	AWE	0.001	14.500	AGC MAVG - entered - Maintaining Regulating Reserves and Good Engineering and Operating Practices
9/13/2013 2:25	0:44	KWPII	3.631	13.437	AGC MAVG - calculated, AGC MAVG - entered and AGC MAVG - calculated
9/13/2013 2:55	0:01	AWE	0.000	15.600	AGC MAVG - entered
9/13/2013 3:10	0:03	KWPII	0.241	8.971	AGC MAVG - calculated and AGC MAVG - entered
9/13/2013 3:14	0:38	KWPII	5.478	15.004	AGC MAVG - entered, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
9/13/2013 3:34	0:01	AWE	0.001	18.100	AGC MAVG - entered - Excess Energy
9/13/2013 3:52	0:42	KWPII	5.324	20.450	AGC MAVG - calculated
9/13/2013 4:36	0:50	KWPII	4.110	18.030	AGC MAVG - calculated, AGC MAVG - entered - Excess Energy, and AGC MAVG - calculated
9/13/2013 5:27	0:47	KWPII	8.792	20.427	AGC MAVG - entered - Maintaining Regulating Reserves and AGC MAVG - calculated
9/13/2013 6:24	0:01	KWPII	0.004	20.676	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
9/13/2013 8:26	0:09	KWPII	0.094	20.899	AGC MAVG - calculated
9/13/2013 8:32	3:51	KWPII	30.211	20.707	AGC MAVG - calculated and Testing
9/13/2013 10:31	0:03	KWPII	0.080	20.846	AGC MAVG - calculated and Testing
9/13/2013 10:37	0:35	KWPII	2.468	20.875	AGC MAVG - calculated and Testing
9/13/2013 11:13	0:02	KWPII	0.063	18.075	AGC MAVG - calculated and Testing
9/13/2013 11:22	0:01	KWPII	0.004	17.927	AGC MAVG - calculated and Testing
9/13/2013 13:13	0:01	KWPII	0.002	7.835	AGC MAVG - calculated
9/13/2013 13:16	0:09	KWPII	0.687	18.486	AGC MAVG - calculated
9/13/2013 13:27	0:02	KWPII	0.005	14.569	AGC MAVG - calculated
9/13/2013 13:30	0:04	KWPII	0.181	15.826	AGC MAVG - calculated
9/13/2013 18:27	0:02	KWPII	0.007	20.877	AGC MAVG - calculated
9/13/2013 22:24	4:56	KWPII	37.394	19.101	AGC MAVG - calculated
9/14/2013 3:21	1:46	KWPII	7.479	19.039	AGC MAVG - calculated
9/14/2013 5:06	1:50	KWPII	8.891	19.166	AGC MAVG - calculated
9/14/2013 7:04	0:01	KWPII	0.006	17.095	AGC MAVG - calculated
9/14/2013 7:11	0:02	KWPII	0.018	16.781	AGC MAVG - calculated
9/14/2013 7:36	0:03	KWPII	0.062	18.233	AGC MAVG - calculated
9/14/2013 7:43	0:06	KWPII	0.100	12.932	AGC MAVG - calculated
9/14/2013 7:50	0:04	KWPII	0.051	12.896	AGC MAVG - calculated
9/14/2013 7:58	0:04	KWPII	0.100	15.288	AGC MAVG - calculated
9/14/2013 8:03	0:01	KWPII	0.011	12.585	AGC MAVG - calculated
9/14/2013 8:13	0:02	KWPII	0.032	17.275	AGC MAVG - calculated
9/14/2013 8:18	0:02	KWPII	0.019	17.952	AGC MAVG - calculated
9/14/2013 8:19	0:01	KWPII	0.003	11.185	AGC MAVG - calculated
9/14/2013 8:26	0:02	KWPII	0.042	15.830	AGC MAVG - calculated
9/14/2013 8:31	0:17	KWPII	1.037	17.568	AGC MAVG - calculated and Testing
9/14/2013 8:49	0:06	KWPII	0.385	16.550	AGC MAVG - calculated and Testing
9/14/2013 9:22	0:01	KWPII	0.015	11.298	AGC MAVG - calculated and Testing
9/14/2013 19:36	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/14/2013 20:50	0:01	AWE	0.002	0.100	AGC MAVG - calculated
9/14/2013 21:00	0:01	KWPII	0.001	0.048	AGC MAVG - calculated
9/15/2013 1:23	0:01	KWPII	0.003	0.180	AGC MAVG - calculated
9/15/2013 4:48	0:03	KWPII	0.031	5.711	AGC MAVG - calculated
9/15/2013 4:54	0:02	KWPII	0.038	5.274	AGC MAVG - calculated
9/15/2013 5:01	0:35	KWPII	2.488	14.229	AGC MAVG - calculated
9/15/2013 5:29	0:01	AWE	0.001	14.500	AGC MAVG - calculated
9/15/2013 5:37	0:02	KWPII	0.053	5.320	AGC MAVG - calculated
9/15/2013 5:40	0:07	KWPII	0.368	8.307	AGC MAVG - calculated
9/15/2013 5:48	1:40	KWPII	9.866	20.394	AGC MAVG - calculated
9/15/2013 7:30	0:01	KWPII	0.014	18.810	AGC MAVG - calculated
9/15/2013 10:03	0:02	KWPII	0.028	10.815	AGC MAVG - calculated
9/15/2013 10:07	0:02	KWPII	0.044	10.006	AGC MAVG - calculated
9/15/2013 10:10	0:01	KWPII	0.023	8.984	AGC MAVG - calculated
9/15/2013 10:16	0:09	KWPII	0.240	13.404	AGC MAVG - calculated
9/15/2013 10:31	0:05	KWPII	0.237	15.134	AGC MAVG - calculated
9/15/2013 10:38	0:13	KWPII	0.508	15.309	AGC MAVG - calculated
9/15/2013 10:52	0:04	KWPII	0.184	15.877	AGC MAVG - calculated
9/15/2013 10:57	0:01	KWPII	0.002	9.999	AGC MAVG - calculated
9/15/2013 14:43	0:01	KWPII	0.014	8.880	AGC MAVG - calculated
9/15/2013 14:45	0:02	KWPII	0.059	9.227	AGC MAVG - calculated
9/15/2013 14:52	0:08	KWPII	0.214	12.586	AGC MAVG - calculated
9/15/2013 15:02	0:01	KWPII	0.005	10.819	AGC MAVG - calculated
9/15/2013 15:08	1:56	KWPII	12.701	20.693	AGC MAVG - calculated
9/15/2013 17:09	0:13	KWPII	0.488	20.677	AGC MAVG - calculated
9/15/2013 17:21	0:23	KWPII	1.039	20.545	AGC MAVG - calculated
9/15/2013 17:47	0:17	KWPII	0.771	20.658	AGC MAVG - calculated
9/15/2013 18:05	0:00	KWPII	0.315	20.697	AGC MAVG - calculated
9/15/2013 19:39	7:54	KWPII	129.175	20.708	AGC MAVG - calculated
9/15/2013 22:07	0:01	AWE	0.000	18.100	AGC MAVG - calculated
9/15/2013 22:11	0:02	AWE	0.036	17.900	AGC MAVG - calculated
9/15/2013 22:21	0:01	AWE	0.001	18.700	AGC MAVG - calculated
9/15/2013 22:28	0:01	AWE	0.001	16.200	AGC MAVG - calculated
9/15/2013 22:34	0:08	AWE	0.144	18.500	AGC MAVG - calculated
9/15/2013 22:41	0:04	AWE	0.094	19.000	AGC MAVG - calculated
9/15/2013 22:54	0:01	AWE	0.003	20.900	AGC MAVG - calculated
9/15/2013 22:58	0:02	AWE	0.001	20.900	AGC MAVG - calculated
9/15/2013 23:00	0:01	AWE	0.001	19.500	AGC MAVG - calculated
9/15/2013 23:01	0:08	AWE	0.251	19.700	AGC MAVG - calculated
9/15/2013 23:23	0:02	AWE	0.001	20.800	AGC MAVG - calculated
9/15/2013 23:26	0:01	AWE	0.001	19.900	AGC MAVG - calculated
9/15/2013 23:31	0:03	AWE	0.025	19.500	AGC MAVG - calculated
9/15/2013 23:35	0:01	AWE	0.004	18.600	AGC MAVG - calculated
9/15/2013 23:44	0:01	AWE	0.001	20.600	AGC MAVG - calculated
9/15/2013 23:52	0:01	AWE	0.001	20.800	AGC MAVG - calculated
9/16/2013 0:01	0:01	AWE	0.000	19.100	AGC MAVG - calculated
9/16/2013 0:03	0:01	AWE	0.000	19.200	AGC MAVG - calculated
9/16/2013 0:09	0:03	AWE	0.048	17.700	AGC MAVG - calculated
9/16/2013 0:13	0:02	AWE	0.087	16.900	AGC MAVG - calculated
9/16/2013 0:16	0:05	AWE	0.082	15.100	AGC MAVG - calculated and Good Engineering and Operating Practices
9/16/2013 0:22	0:34	AWE	2.814	19.600	AGC MAVG - calculated and Good Engineering and Operating Practices
9/16/2013 0:57	0:29	AWE	1.537	19.600	AGC MAVG - calculated
9/16/2013 1:27	0:10	AWE	0.501	18.800	AGC MAVG - calculated
9/16/2013 1:40	0:01	AWE	0.001	18.000	AGC MAVG - calculated
9/16/2013 1:54	0:01	AWE	0.001	16.500	AGC MAVG - calculated
9/16/2013 1:57	1:11	AWE	9.805	18.500	AGC MAVG - calculated
9/16/2013 3:08	0:20	AWE	1.187	19.800	AGC MAVG - calculated
9/16/2013 3:35	1:54	KWPII	30.123	20.445	AGC MAVG - calculated
9/16/2013 3:39	0:01	AWE	0.001	18.900	AGC MAVG - calculated
9/16/2013 3:41	0:01	AWE	0.000	17.400	AGC MAVG - calculated
9/16/2013 3:43	0:01	AWE	0.006	16.600	AGC MAVG - calculated
9/16/2013 3:48	0:02	AWE	0.030	16.400	AGC MAVG - calculated
9/16/2013 3:51	0:09	AWE	0.358	17.500	AGC MAVG - calculated
9/16/2013 4:02	0:52	AWE	3.260	17.500	AGC MAVG - calculated
9/16/2013 4:55	0:01	AWE	0.001	13.600	AGC MAVG - calculated
9/16/2013 4:57	0:01	AWE	0.008	13.800	AGC MAVG - calculated
9/16/2013 4:59	0:05	AWE	0.075	15.300	AGC MAVG - calculated
9/16/2013 5:05	0:09	AWE	0.730	19.700	AGC MAVG - calculated
9/16/2013 5:30	2:08	KWPII	29.448	20.708	AGC MAVG - calculated
9/16/2013 7:43	3:17	KWPII	20.627	20.708	AGC MAVG - calculated
9/16/2013 10:56	1:08	KWPII	3.141	20.708	AGC MAVG - calculated
9/16/2013 12:05	0:01	KWPII	0.020	20.898	AGC MAVG - calculated
9/16/2013 12:07	0:04	KWPII	0.065	20.703	AGC MAVG - calculated
9/16/2013 12:14	0:01	KWPII	0.003	20.891	AGC MAVG - calculated
9/16/2013 12:16	0:01	KWPII	0.000	20.877	AGC MAVG - calculated
9/16/2013 12:18	0:01	KWPII	0.012	20.575	AGC MAVG - calculated
9/16/2013 12:23	0:02	KWPII	0.010	20.688	AGC MAVG - calculated
9/16/2013 12:26	0:01	KWPII	0.005	20.576	AGC MAVG - calculated
9/16/2013 12:28	0:02	KWPII	0.022	20.616	AGC MAVG - calculated
9/16/2013 12:31	0:01	KWPII	0.016	20.658	AGC MAVG - calculated
9/16/2013 12:33	0:03	KWPII	0.049	20.658	AGC MAVG - calculated
9/16/2013 12:37	0:02	KWPII	0.021	20.661	AGC MAVG - calculated
9/16/2013 12:40	0:01	KWPII	0.002	20.514	AGC MAVG - calculated
9/16/2013 12:44	0:01	KWPII	0.003	20.551	AGC MAVG - calculated
9/16/2013 12:47	0:03	KWPII	0.028	20.693	AGC MAVG - calculated
9/16/2013 12:52	0:02	KWPII	0.022	20.652	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
9/18/2013 13:00	0:02	KWPII	0.010	20 686	AGC MAVG - calculated
9/18/2013 13:05	0:03	KWPII	0.016	20 696	AGC MAVG - calculated
9/18/2013 13:12	0:02	KWPII	0.012	20 704	AGC MAVG - calculated
9/18/2013 13:27	0:01	KWPII	0.000	20 670	AGC MAVG - calculated
9/18/2013 13:30	0:01	KWPII	0.007	20 701	AGC MAVG - calculated
9/18/2013 13:38	0:03	KWPII	0.016	20 708	AGC MAVG - calculated
9/18/2013 13:42	0:07	KWPII	0.047	20 708	AGC MAVG - calculated
9/18/2013 13:52	0:01	KWPII	0.000	20 707	AGC MAVG - calculated
9/18/2013 13:54	0:01	KWPII	0.010	20 707	AGC MAVG - calculated
9/18/2013 14:01	0:01	KWPII	0.011	20 706	AGC MAVG - calculated
9/18/2013 14:04	0:03	KWPII	0.011	20 705	AGC MAVG - calculated
9/18/2013 14:08	0:03	KWPII	0.035	20 703	AGC MAVG - calculated
9/18/2013 14:12	0:02	KWPII	0.028	20 708	AGC MAVG - calculated
9/18/2013 14:15	0:01	KWPII	0.009	20 687	AGC MAVG - calculated
9/18/2013 14:19	0:02	KWPII	0.011	20 683	AGC MAVG - calculated
9/18/2013 14:23	0:02	KWPII	0.016	20 673	AGC MAVG - calculated
9/18/2013 14:38	0:06	KWPII	0.117	20 503	AGC MAVG - calculated
9/18/2013 14:48	0:03	KWPII	0.055	20 113	AGC MAVG - calculated
9/18/2013 14:52	0:28	KWPII	1 219	20 638	AGC MAVG - calculated
9/18/2013 15:23	0:06	KWPII	0.084	20 702	AGC MAVG - calculated
9/18/2013 15:30	0:02	KWPII	0.021	20 702	AGC MAVG - calculated
9/18/2013 15:33	0:55	KWPII	3 890	20 708	AGC MAVG - calculated and Good Engineering and Operating Practices
9/18/2013 17:12	0:05	KWPII	0.084	20 708	AGC MAVG - calculated
9/18/2013 17:18	0:01	KWPII	0.000	20 708	AGC MAVG - calculated
9/18/2013 20:00	0:08	KWPII	0 308	20 708	AGC MAVG - calculated
9/18/2013 20:24	1:24	KWPII	8 727	20 708	AGC MAVG - calculated
9/18/2013 21:50	0:03	KWPII	0 045	20 708	AGC MAVG - calculated
9/18/2013 21:55	0:53	KWPII	8 476	20 708	AGC MAVG - calculated
9/18/2013 22:38	0:01	AWE	0 001	15 900	AGC MAVG - calculated
9/18/2013 22:50	3:33	KWPII	37 535	20 708	AGC MAVG - calculated
9/17/2013 1:53	0:14	AWE	0 745	14 900	AGC MAVG - calculated
9/17/2013 2:08	0:04	AWE	0 007	7 500	AGC MAVG - calculated
9/17/2013 2:16	0:01	AWE	0 000	2 000	AGC MAVG - calculated
9/17/2013 2:24	0:51	KWPII	82 854	20 708	AGC MAVG - calculated
9/17/2013 3:28	0:02	AWE	0 003	0 100	AGC MAVG - calculated
9/17/2013 6:17	4:17	KWPII	60 711	20 708	AGC MAVG - calculated and Testing
9/17/2013 11:05	0:01	AWE	0 000	20 800	AGC MAVG - calculated and Testing
9/17/2013 11:11	0:01	AWE	0 001	20 800	AGC MAVG - calculated and Testing
9/17/2013 11:32	0:01	AWE	0 000	20 300	AGC MAVG - calculated and Testing
9/17/2013 11:34	0:01	AWE	0 003	19 400	AGC MAVG - calculated and Testing
9/17/2013 11:36	0:01	AWE	0 000	19 800	AGC MAVG - calculated and Testing
9/17/2013 11:44	0:31	AWE	1 074	19 900	AGC MAVG - calculated and Testing
9/17/2013 12:22	0:01	AWE	0 000	19 500	AGC MAVG - calculated
9/17/2013 12:24	0:01	AWE	0 000	20 400	AGC MAVG - calculated
9/17/2013 12:36	5:59	KWPII	54 788	20 708	AGC MAVG - calculated
9/17/2013 18:36	0:01	KWPII	0 026	20 704	AGC MAVG - calculated
9/17/2013 18:58	0:01	KWPII	0 001	19 211	AGC MAVG - calculated and Testing
9/17/2013 19:38	0:18	KWPII	0 268	19 211	AGC MAVG - calculated and Testing
9/17/2013 19:44	1:37	KWPII	10 298	19 211	AGC MAVG - calculated
9/17/2013 21:24	1:32	KWPII	23 330	19 211	AGC MAVG - calculated
9/17/2013 22:25	0:01	AWE	0 001	20 500	AGC MAVG - calculated
9/17/2013 22:28	0:03	AWE	0 007	18 800	AGC MAVG - calculated
9/17/2013 22:32	0:01	AWE	0 004	18 200	AGC MAVG - calculated
9/17/2013 22:34	0:01	AWE	0 001	18 700	AGC MAVG - calculated
9/17/2013 22:38	0:01	AWE	0 000	20 400	AGC MAVG - calculated
9/17/2013 22:49	0:02	AWE	0 008	18 900	AGC MAVG - calculated
9/17/2013 22:57	0:42	KWPII	12 253	19 014	AGC MAVG - calculated
9/17/2013 23:12	0:01	AWE	0 000	17 000	AGC MAVG - calculated
9/17/2013 23:16	0:02	AWE	0 009	17 000	AGC MAVG - calculated
9/17/2013 23:19	0:16	AWE	1 111	19 500	AGC MAVG - calculated
9/17/2013 23:41	0:18	KWPII	5 089	19 155	AGC MAVG - calculated
9/17/2013 23:42	0:01	AWE	0 000	20 900	AGC MAVG - calculated
9/17/2013 23:45	0:01	AWE	0 001	20 300	AGC MAVG - calculated
9/17/2013 23:48	0:02	AWE	0 004	20 100	AGC MAVG - calculated
9/18/2013 0:01	3:45	KWPII	53 297	18 190	AGC MAVG - calculated
9/18/2013 2:33	0:01	AWE	0 000	2 500	AGC MAVG - calculated
9/18/2013 2:53	0:01	AWE	0 002	20 900	AGC MAVG - calculated
9/18/2013 2:57	0:02	AWE	0 008	19 100	AGC MAVG - calculated
9/18/2013 3:00	0:04	AWE	0 028	19 200	AGC MAVG - calculated
9/18/2013 3:07	0:01	AWE	0 001	19 100	AGC MAVG - calculated
9/18/2013 3:18	0:01	AWE	0 004	19 300	AGC MAVG - calculated
9/18/2013 3:30	0:01	AWE	0 000	20 700	AGC MAVG - calculated
9/18/2013 3:48	0:21	KWPII	3 022	18 732	AGC MAVG - calculated
9/18/2013 4:10	3:18	KWPII	30 318	19 119	AGC MAVG - calculated and Testing
9/18/2013 7:40	0:02	KWPII	0 007	9 074	AGC MAVG - calculated and Testing
9/18/2013 8:11	0:04	KWPII	0 033	17 524	AGC MAVG - entered and Testing
9/18/2013 8:17	0:10	KWPII	0 727	20 071	AGC MAVG - calculated and Testing
9/18/2013 8:28	0:02	KWPII	0 254	20 333	AGC MAVG - calculated and Testing
9/18/2013 8:31	0:08	KWPII	1 278	20 590	AGC MAVG - calculated and Testing
9/18/2013 8:41	0:06	KWPII	1 089	20 563	AGC MAVG - calculated and Testing
9/18/2013 8:48	0:53	KWPII	8 264	20 279	AGC MAVG - calculated and Testing
9/18/2013 9:44	0:02	KWPII	0 020	17 804	AGC MAVG - calculated and Testing
9/18/2013 10:15	0:01	KWPII	0 001	17 181	AGC MAVG - calculated and Testing
9/18/2013 10:19	0:06	KWPII	0 295	17 283	AGC MAVG - calculated and Testing
9/18/2013 10:26	0:02	KWPII	0 117	14 890	AGC MAVG - calculated and Testing
9/18/2013 10:37	0:12	KWPII	0 397	18 563	AGC MAVG - calculated and Testing
9/18/2013 10:50	0:02	KWPII	0 087	16 447	AGC MAVG - calculated and Testing
9/18/2013 10:53	0:06	KWPII	0 183	18 108	AGC MAVG - calculated and Testing
9/18/2013 11:08	0:02	KWPII	0 087	18 007	AGC MAVG - calculated and Testing
9/18/2013 11:18	0:02	KWPII	0 030	16 678	AGC MAVG - calculated and Testing
9/18/2013 11:24	0:01	KWPII	0 019	16 141	AGC MAVG - calculated and Testing
9/18/2013 15:41	0:01	KWP	0 000	0 016	AGC MAVG - calculated
9/18/2013 19:40	0:02	KWPII	0 024	16 221	AGC MAVG - calculated
9/18/2013 20:10	0:01	KWPII	0 016	17 589	AGC MAVG - calculated
9/18/2013 20:12	0:01	KWPII	0 001	15 656	AGC MAVG - calculated
9/18/2013 21:25	0:02	KWPII	0 011	19 909	AGC MAVG - calculated and Good Engineering and Operating Practices
9/18/2013 22:18	7:17	KWPII	94 382	20 708	AGC MAVG - calculated
9/18/2013 3:17	0:01	AWE	0 000	8 700	AGC MAVG - calculated
9/18/2013 3:20	0:01	AWE	0 000	7 700	AGC MAVG - calculated
9/18/2013 3:24	0:01	AWE	0 000	7 700	AGC MAVG - calculated
9/18/2013 3:50	0:01	AWE	0 000	8 500	AGC MAVG - calculated
9/18/2013 5:37	0:32	KWPII	0 746	20 707	AGC MAVG - calculated
9/18/2013 6:32	3:48	KWPII	46 483	20 708	AGC MAVG - calculated
9/19/2013 10:24	0:29	KWPII	4 909	19 862	AGC MAVG - calculated
9/19/2013 10:57	0:03	KWPII	0 405	19 468	AGC MAVG - calculated
9/19/2013 11:04	0:02	KWPII	0 234	19 821	AGC MAVG - calculated
9/19/2013 11:07	0:03	KWPII	0 350	19 893	AGC MAVG - calculated
9/19/2013 11:14	0:08	KWPII	0 983	20 495	AGC MAVG - calculated
9/19/2013 11:24	0:10	KWPII	1 407	20 518	AGC MAVG - calculated
9/19/2013 11:35	0:37	KWPII	4 743	20 589	AGC MAVG - calculated
9/19/2013 12:33	0:03	KWPII	0 093	20 173	AGC MAVG - calculated
9/19/2013 12:26	0:01	KWPII	0 014	19 482	AGC MAVG - calculated
9/19/2013 13:36	0:03	KWPII	0 077	20 381	AGC MAVG - calculated
9/19/2013 13:43	0:03	KWPII	0 049	20 523	AGC MAVG - calculated
9/19/2013 13:47	0:04	KWPII	0 104	20 520	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailment	Estimated Curtailment MWH	Peak MW Curtailment	Reasons for Curtailment
9/19/2013 13:52	0:01	KWPII	0.014	19 397	AGC MAVG - calculated
9/19/2013 13:58	0:01	KWPII	0.006	19 833	AGC MAVG - calculated
9/19/2013 14:00	0:01	KWPII	0.032	19 361	AGC MAVG - calculated
9/19/2013 14:02	0:01	KWPII	0.004	18 371	AGC MAVG - calculated
9/19/2013 14:04	0:41	KWPII	1.825	20 395	AGC MAVG - calculated
9/19/2013 14:46	0:02	KWPII	0.058	19 816	AGC MAVG - calculated
9/19/2013 14:50	0:02	KWPII	0.038	19 878	AGC MAVG - calculated
9/19/2013 14:53	0:02	KWPII	0.030	19 238	AGC MAVG - calculated
9/19/2013 14:56	0:16	KWPII	0.702	20 189	AGC MAVG - calculated
9/19/2013 15:13	0:16	KWPII	0.572	20 065	AGC MAVG - calculated
9/19/2013 15:30	0:01	KWPII	0.019	18 879	AGC MAVG - calculated
9/19/2013 15:33	0:01	KWPII	0.013	19 808	AGC MAVG - calculated
9/19/2013 15:37	0:03	KWPII	0.033	19 659	AGC MAVG - calculated
9/19/2013 16:04	0:01	KWPII	0.003	20 172	AGC MAVG - calculated
9/19/2013 22:24	0:15	KWPII	0.383	18 144	AGC MAVG - calculated
9/19/2013 22:40	3:08	KWPII	37 050	20 708	AGC MAVG - calculated
9/20/2013 1:13	0:02	AWE	0.021	14 200	AGC MAVG - calculated
9/20/2013 1:19	1:18	KWPII	24 880	20 681	AGC MAVG - calculated
9/20/2013 2:07	0:01	AWE	0.004	8 800	AGC MAVG - calculated
9/20/2013 2:08	0:08	AWE	0.393	13 600	AGC MAVG - calculated
9/20/2013 2:20	0:04	AWE	0.051	9 800	AGC MAVG - calculated
9/20/2013 2:28	0:01	AWE	0.000	7 700	AGC MAVG - calculated
9/20/2013 2:32	0:01	AWE	0.002	7 300	AGC MAVG - calculated
9/20/2013 2:36	0:11	AWE	0.283	11 000	AGC MAVG - calculated
9/20/2013 2:50	0:01	AWE	0.011	8 400	AGC MAVG - calculated
9/20/2013 2:52	0:10	AWE	0.552	13 600	AGC MAVG - calculated
9/20/2013 3:00	0:55	KWPII	18 001	20 705	AGC MAVG - calculated
9/20/2013 3:23	0:01	AWE	0.002	8 000	AGC MAVG - calculated
9/20/2013 3:26	0:27	AWE	1.454	14 500	AGC MAVG - calculated
9/20/2013 3:58	0:02	AWE	0.023	9 800	AGC MAVG - calculated
9/20/2013 4:06	1:05	KWPII	11 158	20 707	AGC MAVG - calculated
9/20/2013 7:00	0:30	KWPII	2 068	20 708	AGC MAVG - calculated
9/20/2013 7:40	2:04	KWPII	10 317	20 708	AGC MAVG - calculated and Testing
9/20/2013 9:46	2:09	KWPII	13 119	20 708	AGC MAVG - calculated and Testing
9/20/2013 11:56	0:03	KWPII	0.058	20 584	AGC MAVG - calculated
9/20/2013 12:01	0:14	KWPII	0.381	20 655	AGC MAVG - calculated
9/20/2013 12:23	0:04	KWPII	0.048	20 623	AGC MAVG - calculated
9/20/2013 12:30	0:01	KWPII	0.008	20 644	AGC MAVG - calculated
9/20/2013 12:32	0:07	KWPII	0.089	20 705	AGC MAVG - calculated
9/20/2013 12:43	0:03	KWPII	0.030	20 652	AGC MAVG - calculated
9/20/2013 12:48	0:03	KWPII	0.018	20 543	AGC MAVG - calculated
9/20/2013 13:00	0:01	KWPII	0.000	20 847	AGC MAVG - calculated
9/20/2013 13:03	0:04	KWPII	0.036	20 704	AGC MAVG - calculated
9/20/2013 13:06	0:03	KWPII	0.029	20 679	AGC MAVG - calculated
9/20/2013 13:19	0:02	KWPII	0.018	20 708	AGC MAVG - calculated
9/20/2013 13:31	0:01	KWPII	0.000	20 708	AGC MAVG - calculated
9/20/2013 13:38	0:01	KWPII	0.005	20 704	AGC MAVG - calculated
9/20/2013 13:40	0:01	KWPII	0.010	20 694	AGC MAVG - calculated
9/20/2013 13:42	0:03	KWPII	0.042	20 698	AGC MAVG - calculated
9/20/2013 21:58	0:01	KWPII	0.002	20 698	AGC MAVG - calculated
9/20/2013 22:15	0:09	KWPII	0.194	20 708	AGC MAVG - calculated
9/20/2013 22:27	0:02	KWPII	0.030	20 708	AGC MAVG - calculated
9/20/2013 23:23	0:06	KWPII	0.121	20 708	AGC MAVG - calculated
9/20/2013 23:31	8:03	KWPII	98 785	20 708	AGC MAVG - calculated
9/21/2013 2:12	0:33	AWE	3 555	19 800	AGC MAVG - calculated
9/21/2013 2:51	0:01	AWE	0.001	8 800	AGC MAVG - calculated
9/21/2013 2:58	0:04	AWE	0.089	10 800	AGC MAVG - calculated
9/21/2013 3:03	0:55	AWE	8 034	15 800	AGC MAVG - calculated
9/21/2013 3:59	1:04	AWE	7 545	18 800	AGC MAVG - calculated
9/21/2013 5:05	0:02	AWE	0.019	12 300	AGC MAVG - calculated
9/21/2013 5:09	0:08	AWE	0.258	18 700	AGC MAVG - calculated
9/21/2013 5:25	0:01	AWE	0.001	18 700	AGC MAVG - calculated
9/21/2013 5:36	3:21	KWPII	29 435	20 708	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and AGC MAVG -
9/21/2013 8:58	2:28	KWPII	15 333	20 708	AGC MAVG - calculated
9/21/2013 11:34	0:49	KWPII	4 985	20 708	AGC MAVG - calculated
9/21/2013 12:29	0:08	KWPII	0.113	20 708	AGC MAVG - calculated
9/21/2013 12:33	1:26	KWPII	6 458	20 708	AGC MAVG - calculated
9/21/2013 15:05	0:01	KWPII	0.002	20 635	AGC MAVG - calculated
9/21/2013 20:12	0:03	KWPII	0.017	20 067	AGC MAVG - calculated
9/21/2013 20:22	0:01	KWPII	0.007	20 405	AGC MAVG - calculated
9/21/2013 20:31	0:02	KWPII	0.009	20 683	AGC MAVG - calculated
9/21/2013 22:49	0:02	KWPII	0.015	19 064	AGC MAVG - calculated
9/21/2013 22:52	0:03	KWPII	0.001	19 600	AGC MAVG - calculated
9/21/2013 23:04	0:58	KWPII	4 776	20 841	AGC MAVG - calculated
9/22/2013 0:58	0:01	AWE	0.000	14 900	AGC MAVG - calculated
9/22/2013 1:00	0:01	AWE	0.000	15 900	AGC MAVG - calculated
9/22/2013 1:21	0:54	KWPII	5 942	16 679	AGC MAVG - calculated
9/22/2013 2:00	0:01	AWE	0.000	20 700	AGC MAVG - calculated
9/22/2013 2:12	0:01	AWE	0.001	15 900	AGC MAVG - calculated
9/22/2013 2:40	0:05	KWPII	0.156	8 900	AGC MAVG - calculated
9/22/2013 3:03	0:09	KWPII	0.149	9 719	AGC MAVG - calculated
9/22/2013 3:17	0:38	KWPII	3 028	11 544	AGC MAVG - calculated
9/22/2013 3:28	0:01	AWE	0.000	14 200	AGC MAVG - calculated
9/22/2013 3:30	0:04	AWE	0.028	12 900	AGC MAVG - calculated
9/22/2013 3:35	0:08	AWE	0.233	12 200	AGC MAVG - calculated
9/22/2013 3:49	0:02	AWE	0.001	13 900	AGC MAVG - calculated
9/22/2013 4:00	0:01	KWPII	0.009	6 126	AGC MAVG - calculated
9/22/2013 4:14	0:30	KWPII	1 568	14 782	AGC MAVG - calculated
9/22/2013 4:45	0:50	KWPII	8 395	18 636	AGC MAVG - calculated
9/22/2013 5:04	0:01	AWE	0.000	17 200	AGC MAVG - calculated
9/22/2013 5:37	0:07	KWPII	0.266	14 449	AGC MAVG - calculated
9/22/2013 5:51	0:01	KWPII	0.015	14 346	AGC MAVG - calculated
9/22/2013 5:53	0:20	KWPII	2 078	19 752	AGC MAVG - calculated
9/22/2013 6:14	2:09	KWPII	70 030	20 567	AGC MAVG - calculated and Good Engineering and Operating Practices
9/22/2013 8:31	1:08	KWPII	7 357	20 708	AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, AGC MAVG - calculated, and Good Engineering and Operating Practices
9/22/2013 10:04	0:01	KWPII	0.007	20 581	AGC MAVG - calculated
9/22/2013 10:06	0:01	KWPII	0.154	20 581	AGC MAVG - calculated
9/22/2013 10:14	0:07	KWPII	0.091	20 644	AGC MAVG - calculated
9/22/2013 10:41	0:01	KWPII	0.001	20 258	AGC MAVG - calculated
9/22/2013 11:25	0:02	KWPII	0.039	20 527	AGC MAVG - calculated
9/22/2013 11:31	0:19	KWPII	0.910	20 690	AGC MAVG - calculated
9/22/2013 11:51	0:01	KWPII	0.020	20 569	AGC MAVG - calculated
9/22/2013 11:56	0:01	KWPII	0.004	20 676	AGC MAVG - calculated
9/22/2013 11:58	0:27	KWPII	1 376	20 703	AGC MAVG - calculated
9/22/2013 12:27	0:08	KWPII	0 157	20 661	AGC MAVG - calculated
9/22/2013 12:36	0:25	KWPII	1 364	20 692	AGC MAVG - calculated
9/22/2013 13:02	0:21	KWPII	0 782	20 663	AGC MAVG - calculated
9/22/2013 13:24	0:02	KWPII	0 074	20 180	AGC MAVG - calculated
9/22/2013 13:27	0:05	KWPII	0 127	20 607	AGC MAVG - calculated
9/22/2013 13:44	0:01	KWPII	0 004	20 511	AGC MAVG - calculated
9/22/2013 13:46	0:01	KWPII	0 052	20 598	AGC MAVG - calculated
9/22/2013 13:58	0:04	KWPII	0 032	20 692	AGC MAVG - calculated

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Start Date and Time	Duration	IPP Curtailed	Estimated Curtailed MWH	Peak MW Curtailed	Reasons for Curtailment
9/22/2013 14:03	0:01	KWPII	0.005	20 704	AGC MAVG - calculated
9/22/2013 20:45	0:06	KWPII	0.146	20 688	AGC MAVG - calculated
9/22/2013 20:52	0:02	KWPII	0.026	20 553	AGC MAVG - calculated
9/22/2013 22:02	0:15	KWPII	0.844	19 968	AGC MAVG - calculated
9/22/2013 22:38	0:04	KWPII	0.074	20 708	AGC MAVG - calculated
9/22/2013 22:44	0:15	KWPII	0.568	20 708	AGC MAVG - calculated
9/22/2013 23:01	0:06	KWPII	0.115	20 708	AGC MAVG - calculated and Testing
9/22/2013 23:14	0:01	KWPII	0.003	20 667	AGC MAVG - calculated and Testing
9/22/2013 23:18	0:10	KWPII	0.212	20 608	AGC MAVG - calculated
9/22/2013 23:34	0:05	KWPII	0.062	19 008	AGC MAVG - calculated
9/22/2013 23:40	0:02	KWPII	0.018	15 741	AGC MAVG - calculated
9/22/2013 23:46	0:01	KWPII	0.006	14 226	AGC MAVG - calculated
9/22/2013 23:54	3:26	KWPII	48.236	20 603	AGC MAVG - calculated
9/23/2013 7:35	0:01	AWE	0.000	7 100	AGC MAVG - calculated
9/23/2013 7:36	0:03	AWE	0.042	7 400	AGC MAVG - calculated
9/23/2013 7:07	0:01	AWE	0.000	8 500	AGC MAVG - calculated
9/23/2013 7:22	1:11	KWPII	11.394	17 436	AGC MAVG - calculated
9/23/2013 4:34	0:02	KWPII	0.070	11 484	AGC MAVG - calculated
9/23/2013 4:42	0:01	KWPII	0.006	14 318	AGC MAVG - calculated
9/23/2013 5:08	0:28	KWPII	1.950	15 641	AGC MAVG - calculated
9/23/2013 5:37	0:01	KWPII	0.008	14 555	AGC MAVG - calculated
9/23/2013 5:39	0:01	KWPII	0.014	13 900	AGC MAVG - calculated
9/23/2013 5:53	0:01	KWPII	0.023	11 829	AGC MAVG - calculated
9/23/2013 5:53	0:01	KWPII	0.007	11 797	AGC MAVG - calculated
9/23/2013 5:57	0:02	KWPII	0.063	12 266	AGC MAVG - calculated
9/23/2013 6:09	1:08	KWPII	3.738	20 594	AGC MAVG - calculated and Testing
9/23/2013 7:16	0:01	KWPII	0.052	19 492	AGC MAVG - calculated and Testing
9/23/2013 7:19	0:48	KWPII	3.780	20 365	AGC MAVG - calculated and Testing
9/23/2013 8:08	0:57	KWPII	0.348	20 435	AGC MAVG - calculated and Testing
9/23/2013 8:18	0:06	KWPII	0.689	20 365	AGC MAVG - calculated and Testing
9/23/2013 8:26	0:19	KWPII	1.327	19 701	AGC MAVG - calculated and Testing
9/23/2013 8:47	0:04	KWPII	0.051	19 605	AGC MAVG - calculated and Testing
9/23/2013 8:52	0:11	KWPII	0.804	19 172	AGC MAVG - calculated and Testing
9/23/2013 9:08	0:02	KWPII	0.063	20 016	AGC MAVG - calculated and Testing
9/23/2013 9:13	0:12	KWPII	0.846	20 390	AGC MAVG - calculated and Testing
9/23/2013 9:20	0:02	KWPII	0.278	20 317	AGC MAVG - calculated and Testing
9/23/2013 9:29	0:07	KWPII	0.848	20 059	AGC MAVG - calculated and Testing
9/23/2013 9:41	0:06	KWPII	0.627	19 786	AGC MAVG - calculated and Testing
9/23/2013 9:52	0:01	KWPII	0.096	20 213	AGC MAVG - calculated and Testing
9/23/2013 9:54	0:02	KWPII	0.039	18 209	AGC MAVG - calculated and Testing
9/23/2013 10:03	0:01	KWPII	0.007	13 328	AGC MAVG - calculated and Testing
9/23/2013 10:16	0:01	KWPII	0.013	11 785	AGC MAVG - calculated and Testing
9/23/2013 10:18	0:01	KWPII	0.012	13 286	AGC MAVG - calculated and Testing
9/23/2013 10:20	0:01	KWPII	0.003	17 929	AGC MAVG - calculated and Testing
9/23/2013 10:23	0:01	KWPII	0.041	14 813	AGC MAVG - calculated and Testing
9/23/2013 10:30	0:03	KWPII	0.063	17 818	AGC MAVG - calculated and Testing
9/23/2013 10:43	0:01	KWPII	0.025	17 132	AGC MAVG - calculated and Testing
9/23/2013 10:45	0:05	KWPII	0.112	17 768	AGC MAVG - calculated and Testing
9/23/2013 10:51	0:24	KWPII	1.489	18 587	AGC MAVG - calculated and Testing
9/23/2013 11:16	0:09	KWPII	0.371	19 021	AGC MAVG - calculated and Testing
9/23/2013 13:05	0:01	KWPII	0.003	18 416	AGC MAVG - calculated and Testing
9/23/2013 13:18	0:03	KWPII	0.086	19 110	AGC MAVG - calculated and Testing
9/23/2013 13:26	0:03	KWPII	0.069	18 742	AGC MAVG - calculated and Testing
9/23/2013 13:31	0:47	KWPII	3.115	20 891	AGC MAVG - calculated and Testing
9/23/2013 14:19	0:33	KWPII	1.877	20 849	AGC MAVG - calculated
9/23/2013 14:54	0:02	KWPII	0.015	20 011	AGC MAVG - calculated
9/23/2013 14:59	0:10	KWPII	0.295	20 850	AGC MAVG - calculated
9/23/2013 15:10	0:01	KWPII	0.011	20 652	AGC MAVG - calculated
9/23/2013 15:14	0:01	KWPII	0.026	20 311	AGC MAVG - calculated
9/23/2013 15:22	0:02	KWPII	0.018	20 233	AGC MAVG - calculated
9/23/2013 15:28	0:04	KWPII	0.105	20 438	AGC MAVG - calculated
9/23/2013 15:30	0:01	KWPII	0.016	20 496	AGC MAVG - calculated
9/23/2013 15:33	0:08	KWPII	0.162	20 707	AGC MAVG - calculated
9/23/2013 15:42	0:01	KWPII	0.019	20 702	AGC MAVG - calculated
9/23/2013 15:49	0:01	KWPII	0.000	20 708	AGC MAVG - calculated
9/23/2013 21:58	0:01	KWPII	0.001	20 708	AGC MAVG - calculated
9/23/2013 22:03	0:07	KWPII	0.116	20 708	AGC MAVG - calculated
9/23/2013 22:11	0:06	KWPII	0.154	20 708	AGC MAVG - calculated
9/23/2013 22:18	0:03	KWPII	0.050	20 705	AGC MAVG - calculated
9/23/2013 23:06	0:03	KWPII	0.022	20 708	AGC MAVG - calculated, AGC MAVG - entered - Maintaining Regulating Reserves, and Operating Conditions on Company's System
9/23/2013 23:23	4:38	KWPII	51.274	20 708	AGC MAVG - calculated
9/24/2013 1:01	0:01	AWE	0.003	0 200	AGC MAVG - calculated
9/24/2013 1:28	0:01	AWE	0.003	0 200	AGC MAVG - calculated
9/24/2013 3:54	0:01	AWE	0.003	0 100	AGC MAVG - calculated
9/24/2013 4:02	0:01	AWE	0.060	14 022	AGC MAVG - calculated
9/24/2013 4:02	0:01	AWE	0.003	0 100	AGC MAVG - calculated
9/24/2013 4:04	0:04	KWPII	0.030	12 981	AGC MAVG - calculated
9/24/2013 4:11	0:06	KWPII	0.128	13 785	AGC MAVG - calculated
9/24/2013 4:18	0:04	KWPII	0.108	14 836	AGC MAVG - calculated
9/24/2013 4:23	0:59	KWPII	5.058	20 654	AGC MAVG - calculated
9/24/2013 5:26	0:25	KWPII	1.705	20 687	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 5:59	0:01	KWPII	0.004	20 369	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 6:23	0:01	KWPII	0.001	20 080	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 6:37	0:02	KWPII	0.018	19 988	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 6:48	0:01	KWPII	0.007	20 137	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 7:15	0:01	KWPII	0.002	19 624	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 7:25	0:05	KWPII	0.165	18 957	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 7:31	0:07	KWPII	0.348	19 043	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 7:41	0:02	KWPII	0.045	19 124	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 7:45	0:03	KWPII	0.042	18 835	AGC MAVG - calculated and Good Engineering and Operating Practices
9/24/2013 13:47	0:03	KWPII	0.098	16 124	AGC MAVG - calculated
9/24/2013 14:38	0:01	KWPII	0.034	13 704	AGC MAVG - calculated
9/24/2013 14:28	0:02	KWPII	0.028	10 378	AGC MAVG - entered - Maintaining Regulating Reserves and Operating Conditions on Company's System
9/24/2013 17:35	0:02	KWPII	0.019	20 581	AGC MAVG - calculated
9/24/2013 21:34	0:02	KWPII	0.025	20 348	AGC MAVG - calculated
9/24/2013 21:38	0:02	KWPII	0.019	20 212	AGC MAVG - calculated
9/24/2013 21:46	0:02	KWPII	0.007	19 305	AGC MAVG - calculated
9/24/2013 23:19	0:06	KWPII	0.332	14 620	AGC MAVG - calculated
9/24/2013 23:26	0:03	KWPII	0.031	15 315	AGC MAVG - calculated
9/25/2013 0:07	0:02	KWPII	0.009	10 854	AGC MAVG - calculated
9/25/2013 0:14	0:02	KWPII	0.075	10 677	AGC MAVG - calculated
9/25/2013 0:19	0:04	KWPII	0.093	10 876	AGC MAVG - calculated
9/25/2013 0:27	0:02	KWPII	0.042	11 848	AGC MAVG - calculated
9/25/2013 1:01	0:17	KWPII	2.181	18 088	AGC MAVG - calculated
9/25/2013 1:19	0:03	KWPII	0.080	7 323	AGC MAVG - calculated
9/25/2013 1:31	2:35	KWPII	38.817	20 628	AGC MAVG - calculated
9/25/2013 1:38	0:01	AWE	0.001	13 306	AGC MAVG - calculated
9/25/2013 1:41	0:01	AWE	0.011	12 809	AGC MAVG - calculated
9/25/2013 1:43	0:08	AWE	0.132	12 709	AGC MAVG - calculated
9/25/2013 1:53	0:01	AWE	0.029	8 400	AGC MAVG - calculated
9/25/2013 1:56	0:01	AWE	0.025	7 600	AGC MAVG - calculated
9/25/2013 1:58	0:02	AWE	0.001	8 200	AGC MAVG - calculated
9/25/2013 2:09	0:01	AWE	0.000	12 200	AGC MAVG - calculated
9/25/2013 2:20	0:01	AWE	0.000	16 100	AGC MAVG - calculated

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Start Date and Time	Duration	PP Curtailers	Estimated Curtailed MWh	Peak MW Curtailed	Reasons for Curtailment
9/25/2013 2:33	0:38	AWE	3.609	18.700	AGC MAVG - calculated
9/25/2013 3:12	0:11	AWE	0.690	14.600	AGC MAVG - calculated
9/25/2013 3:25	0:01	AWE	0.003	8.600	AGC MAVG - calculated
9/25/2013 3:27	0:11	AWE	0.351	8.800	AGC MAVG - calculated
9/25/2013 3:43	0:04	AWE	0.017	6.500	AGC MAVG - calculated
9/25/2013 3:48	0:06	AWE	0.060	7.400	AGC MAVG - calculated
9/25/2013 4:06	0:39	KWPH	8.589	20.055	AGC MAVG - calculated
9/25/2013 4:30	0:01	AWE	0.000	10.700	AGC MAVG - calculated
9/25/2013 4:40	0:01	AWE	0.000	10.800	AGC MAVG - calculated
9/25/2013 4:48	1:11	KWPH	0.000	18.331	AGC MAVG - calculated
9/25/2013 6:00	0:01	KWPH	0.005	15.789	AGC MAVG - calculated
9/25/2013 6:07	0:01	KWPH	0.020	12.987	AGC MAVG - calculated
9/25/2013 6:08	0:56	KWPH	5.177	20.695	AGC MAVG - calculated
9/25/2013 7:08	0:14	KWPH	0.163	20.378	AGC MAVG - calculated
9/25/2013 7:24	0:01	KWPH	0.010	20.290	AGC MAVG - calculated
9/25/2013 7:26	0:03	KWPH	0.066	20.258	AGC MAVG - calculated
9/25/2013 7:30	0:01	KWPH	0.001	19.657	AGC MAVG - calculated
9/25/2013 7:59	0:01	KWPH	0.005	20.112	AGC MAVG - calculated
9/25/2013 9:33	0:01	KWPH	0.001	19.891	AGC MAVG - calculated and Testing
9/25/2013 10:15	0:17	KWPH	0.733	19.845	AGC MAVG - calculated and Testing
9/25/2013 10:34	0:17	KWPH	0.977	20.083	AGC MAVG - calculated and Testing
9/25/2013 10:52	0:01	KWPH	0.007	18.993	AGC MAVG - calculated
9/25/2013 10:54	0:01	KWPH	0.005	18.787	AGC MAVG - calculated
9/25/2013 10:59	0:01	KWPH	0.006	19.692	AGC MAVG - calculated
9/25/2013 11:54	0:01	KWPH	0.004	19.505	AGC MAVG - calculated
9/25/2013 12:11	0:01	KWPH	0.031	19.728	AGC MAVG - calculated
9/25/2013 12:32	0:01	KWPH	0.028	18.873	AGC MAVG - calculated
9/25/2013 12:34	0:04	KWPH	0.147	19.678	AGC MAVG - calculated
9/25/2013 12:40	0:07	KWPH	0.196	19.585	AGC MAVG - calculated
9/25/2013 13:18	0:09	KWPH	0.408	19.578	AGC MAVG - calculated
9/25/2013 13:30	0:03	KWPH	0.114	19.401	AGC MAVG - calculated
9/25/2013 13:35	0:02	KWPH	0.038	19.449	AGC MAVG - calculated
9/25/2013 13:38	0:03	KWPH	0.107	19.341	AGC MAVG - calculated
9/25/2013 13:44	0:01	KWPH	0.015	18.307	AGC MAVG - calculated
9/25/2013 13:47	0:01	KWPH	0.039	18.088	AGC MAVG - calculated
9/25/2013 13:53	0:03	KWPH	0.044	18.723	AGC MAVG - calculated
9/25/2013 13:57	0:01	KWPH	0.017	19.270	AGC MAVG - calculated
9/25/2013 14:27	0:03	KWPH	0.072	20.292	AGC MAVG - calculated
9/25/2013 14:32	0:08	KWPH	0.322	20.417	AGC MAVG - calculated and Testing
9/25/2013 14:41	0:05	KWPH	0.186	20.534	AGC MAVG - calculated and Testing
9/25/2013 14:48	0:01	KWPH	0.029	19.603	AGC MAVG - calculated and Testing
9/25/2013 14:50	0:06	KWPH	0.135	20.332	AGC MAVG - calculated and Testing
9/25/2013 14:58	0:01	KWPH	0.000	20.477	AGC MAVG - calculated
9/25/2013 15:05	0:05	KWPH	0.086	20.689	AGC MAVG - calculated
9/25/2013 15:13	0:01	KWPH	0.003	20.645	AGC MAVG - calculated
9/25/2013 15:15	0:37	KWPH	1.054	20.706	AGC MAVG - calculated
9/25/2013 15:54	0:01	KWPH	0.027	18.724	AGC MAVG - calculated
9/25/2013 15:57	0:02	KWPH	0.015	18.128	AGC MAVG - calculated

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/18/2013 11:58	9/18/2013 12:00	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 12:03	9/18/2013 12:03	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 12:08	9/18/2013 12:08	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 12:24	9/18/2013 12:25	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 12:29	9/18/2013 12:30	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 12:33	9/18/2013 12:40	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 13:04	9/18/2013 13:05	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:09	9/18/2013 14:12	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:27	9/18/2013 14:28	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:31	9/18/2013 14:32	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:34	9/18/2013 14:39	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:42	9/18/2013 14:42	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:46	9/18/2013 14:48	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:51	9/18/2013 14:53	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 14:55	9/18/2013 14:58	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:08	9/18/2013 15:08	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:11	9/18/2013 15:12	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:18	9/18/2013 15:18	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:20	9/18/2013 15:22	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:24	9/18/2013 15:28	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:31	9/18/2013 15:35	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:39	9/18/2013 15:54	0:16	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 15:57	9/18/2013 15:57	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 16:10	9/18/2013 16:11	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 16:13	9/18/2013 16:16	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 16:20	9/18/2013 16:26	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 16:45	9/18/2013 16:45	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/18/2013 17:17	9/18/2013 17:24	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 9:43	9/19/2013 9:55	0:13	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 10:10	9/19/2013 10:12	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 10:15	9/19/2013 10:22	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 10:24	9/19/2013 10:25	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 10:27	9/19/2013 10:27	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 11:08	9/19/2013 11:48	0:41	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 12:13	9/19/2013 12:14	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 12:20	9/19/2013 12:31	0:12	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 12:54	9/19/2013 12:54	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 13:06	9/19/2013 13:45	0:40	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 14:48	9/19/2013 14:48	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 15:49	9/19/2013 15:52	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 15:54	9/19/2013 16:02	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 16:06	9/19/2013 16:15	0:10	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 16:21	9/19/2013 16:29	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/19/2013 16:31	9/19/2013 16:31	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 16:36	9/19/2013 16:37	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 16:40	9/19/2013 16:50	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/19/2013 16:52	9/19/2013 16:56	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 6:53	9/21/2013 8:17	1:25	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 8:31	9/21/2013 8:32	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 8:35	9/21/2013 8:50	0:16	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 9:09	9/21/2013 9:25	0:17	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 9:30	9/21/2013 10:21	0:52	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 10:28	9/21/2013 11:02	0:35	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 11:30	9/21/2013 11:39	0:10	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 11:43	9/21/2013 11:48	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 12:10	9/21/2013 12:37	0:28	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 12:39	9/21/2013 12:51	0:13	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 12:54	9/21/2013 13:37	0:44	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 16:02	9/21/2013 16:04	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 16:36	9/21/2013 16:36	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 16:38	9/21/2013 16:40	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/21/2013 16:49	9/21/2013 16:56	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 8:34	9/22/2013 9:33	1:00	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 9:35	9/22/2013 9:39	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 9:43	9/22/2013 9:47	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 9:52	9/22/2013 10:12	0:21	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 10:41	9/22/2013 10:43	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 10:48	9/22/2013 10:50	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 13:34	9/22/2013 13:37	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 13:40	9/22/2013 13:42	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 15:43	9/22/2013 16:34	0:52	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 16:40	9/22/2013 16:40	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 17:10	9/22/2013 17:12	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/22/2013 17:17	9/22/2013 17:17	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 8:24	9/23/2013 8:28	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:21	9/23/2013 9:21	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:24	9/23/2013 9:24	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:29	9/23/2013 9:39	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:50	9/23/2013 9:51	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:54	9/23/2013 9:54	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 9:59	9/23/2013 10:01	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 10:07	9/23/2013 10:07	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 10:10	9/23/2013 10:18	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 10:26	9/23/2013 10:31	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 10:37	9/23/2013 10:38	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 10:56	9/23/2013 11:03	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/23/2013 11:07	9/23/2013 11:07	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 11:09	9/23/2013 11:11	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 11:13	9/23/2013 11:22	0:10	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 11:33	9/23/2013 11:54	0:22	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 11:59	9/23/2013 12:09	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 12:14	9/23/2013 12:42	0:29	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 12:55	9/23/2013 12:56	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 12:59	9/23/2013 13:00	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:05	9/23/2013 13:07	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:10	9/23/2013 13:12	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:14	9/23/2013 13:14	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:40	9/23/2013 13:40	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:42	9/23/2013 13:42	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:50	9/23/2013 13:52	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 13:57	9/23/2013 14:03	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 14:06	9/23/2013 14:07	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 14:11	9/23/2013 14:26	0:16	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 14:28	9/23/2013 14:28	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 14:31	9/23/2013 15:05	0:35	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 15:08	9/23/2013 16:23	1:16	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 16:25	9/23/2013 16:35	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 16:44	9/23/2013 16:45	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/23/2013 16:47	9/23/2013 16:47	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 9:35	9/24/2013 9:35	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:08	9/24/2013 10:10	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:13	9/24/2013 10:14	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:17	9/24/2013 10:21	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:24	9/24/2013 10:27	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:37	9/24/2013 10:40	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:43	9/24/2013 10:44	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:51	9/24/2013 10:52	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 10:54	9/24/2013 11:07	0:14	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 11:30	9/24/2013 11:32	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 11:34	9/24/2013 11:34	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 11:42	9/24/2013 11:46	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 11:52	9/24/2013 11:54	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 11:58	9/24/2013 11:58	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:01	9/24/2013 12:02	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:06	9/24/2013 12:09	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:19	9/24/2013 12:27	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:30	9/24/2013 12:32	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:45	9/24/2013 12:46	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 12:48	9/24/2013 12:54	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/24/2013 12:57	9/24/2013 13:05	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 13:07	9/24/2013 13:08	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 13:12	9/24/2013 13:12	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 13:14	9/24/2013 13:14	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/24/2013 13:16	9/24/2013 13:16	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 7:29	9/25/2013 7:30	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 7:32	9/25/2013 7:38	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 7:43	9/25/2013 7:43	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 7:47	9/25/2013 7:47	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 7:50	9/25/2013 7:58	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 8:00	9/25/2013 8:03	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 8:06	9/25/2013 8:51	0:46	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 8:54	9/25/2013 9:44	0:51	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 10:28	9/25/2013 10:29	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 10:43	9/25/2013 10:48	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 10:51	9/25/2013 10:52	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 10:54	9/25/2013 11:02	0:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 11:05	9/25/2013 11:08	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 11:33	9/25/2013 11:42	0:10	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 11:44	9/25/2013 11:48	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 11:55	9/25/2013 11:57	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:00	9/25/2013 12:18	0:17	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:18	9/25/2013 12:23	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:27	9/25/2013 12:29	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:34	9/25/2013 12:38	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:39	9/25/2013 12:41	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:47	9/25/2013 12:48	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:50	9/25/2013 12:50	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 12:55	9/25/2013 13:00	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 13:04	9/25/2013 13:11	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 13:59	9/25/2013 13:59	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 14:29	9/25/2013 14:36	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 15:09	9/25/2013 15:31	0:23	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 16:40	9/25/2013 16:44	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 18:47	9/25/2013 16:53	0:07	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 16:55	9/25/2013 16:58	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/25/2013 17:03	9/25/2013 17:03	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/26/2013 7:23	9/26/2013 7:27	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/26/2013 7:32	9/26/2013 7:43	0:12	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/26/2013 7:47	9/26/2013 11:26	3:40	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/26/2013 11:30	9/26/2013 12:27	0:58	LSR-La Ola PV	Data not available	Data not available	Engine testing
9/27/2013 6:54	9/27/2013 6:54	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 6:59	9/27/2013 7:02	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/27/2013 7:09	9/27/2013 7:11	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 7:19	9/27/2013 7:48	0:30	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 7:53	9/27/2013 10:41	2:49	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 10:50	9/27/2013 12:43	1:54	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 12:51	9/27/2013 13:21	0:31	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 13:29	9/27/2013 14:14	0:46	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 14:18	9/27/2013 14:18	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 14:20	9/27/2013 14:24	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/27/2013 14:46	9/27/2013 15:33	0:48	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 6:51	9/28/2013 7:38	0:48	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 7:40	9/28/2013 8:13	0:34	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 8:15	9/28/2013 8:22	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 8:24	9/28/2013 8:40	0:17	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 8:47	9/28/2013 8:57	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 8:59	9/28/2013 9:24	0:26	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:26	9/28/2013 9:27	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:32	9/28/2013 9:32	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:35	9/28/2013 9:35	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:37	9/28/2013 9:38	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:41	9/28/2013 9:42	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 9:55	9/28/2013 10:00	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 10:28	9/28/2013 10:33	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 10:45	9/28/2013 10:52	0:08	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 11:22	9/28/2013 11:25	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 11:32	9/28/2013 11:45	0:14	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 12:04	9/28/2013 12:05	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 12:27	9/28/2013 12:31	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 12:34	9/28/2013 12:34	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 12:39	9/28/2013 12:39	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 13:11	9/28/2013 13:11	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 13:16	9/28/2013 13:56	0:41	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 14:30	9/28/2013 14:52	0:23	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 14:54	9/28/2013 15:05	0:12	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 15:31	9/28/2013 15:35	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/28/2013 15:39	9/28/2013 17:06	1:28	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 7:02	9/29/2013 8:17	1:16	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 8:19	9/29/2013 10:27	2:09	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 10:29	9/29/2013 10:30	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 10:52	9/29/2013 10:53	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 11:06	9/29/2013 11:08	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 11:18	9/29/2013 11:19	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 11:26	9/29/2013 11:26	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 11:31	9/29/2013 12:22	0:52	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

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Start Date/Time	Stop Date/Time	Duration (h:mm)	IPP Curtailed	Estimated MWH Curtailed	Peak MW Curtailed	Reasons for Curtailment
9/29/2013 12:28	9/29/2013 12:28	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 13:37	9/29/2013 13:38	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 14:48	9/29/2013 14:49	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 14:51	9/29/2013 15:00	0:10	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 15:05	9/29/2013 15:10	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 15:42	9/29/2013 15:45	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 15:49	9/29/2013 16:17	0:29	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 16:25	9/29/2013 16:54	0:30	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 16:58	9/29/2013 17:19	0:22	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/29/2013 17:50	9/29/2013 17:51	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 8:57	9/30/2013 7:44	0:48	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 7:50	9/30/2013 7:55	0:06	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 7:57	9/30/2013 8:45	0:49	LSR-La Ola PV	Data not available	Data not available	Engine testing.
9/30/2013 8:49	9/30/2013 9:05	0:17	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 9:10	9/30/2013 10:09	1:00	LSR-La Ola PV	Data not available	Data not available	Engine testing
9/30/2013 10:11	9/30/2013 10:58	0:48	LSR-La Ola PV	Data not available	Data not available	Engine testing.
9/30/2013 11:00	9/30/2013 11:01	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:03	9/30/2013 11:03	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:26	9/30/2013 11:28	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:32	9/30/2013 11:32	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:37	9/30/2013 11:38	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:47	9/30/2013 11:48	0:02	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 11:58	9/30/2013 11:58	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 12:04	9/30/2013 12:57	0:54	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 12:59	9/30/2013 13:09	0:11	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 13:11	9/30/2013 13:33	0:23	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 13:35	9/30/2013 14:00	0:26	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 14:05	9/30/2013 14:08	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 14:10	9/30/2013 14:12	0:03	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 14:14	9/30/2013 14:18	0:05	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 15:38	9/30/2013 15:38	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 15:41	9/30/2013 15:41	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 15:44	9/30/2013 15:44	0:01	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 16:12	9/30/2013 17:01	0:50	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices
9/30/2013 17:27	9/30/2013 17:30	0:04	LSR-La Ola PV	Data not available	Data not available	Good Engineering and Operating Practices

Notes:

On June 27, 2012, MECO notified LSR that although LSR has not operated in compliance with the revised ramp rate of 360 kW/minute, MECO would conditionally allow LSR to operate at the allowed capacity of 1.2 MW while the MECO-Lana'i Diesel Operator was in the control room.

LSR possible output data is not available. Therefore, Maui Electric Company 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.