

Requests for Information

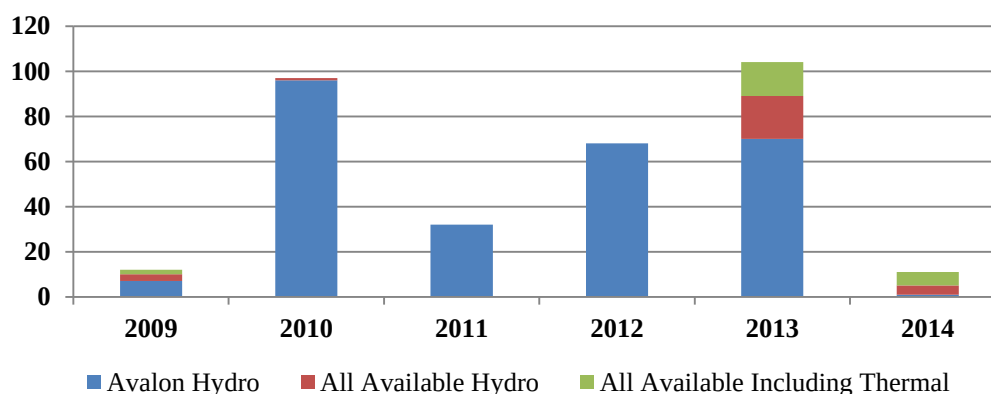
Q. Further to the response to PUB-NP-036, provide the number of times each year, including dates and duration, Newfoundland and Labrador Hydro has requested Newfoundland Power to run its generation in the period 2009 to 2013, inclusive and in January 2014.

A. Attachment A details the recorded requests by Newfoundland and Labrador Hydro (“Hydro”) for Newfoundland Power to run its generation in the period 2009 to January 2014.¹

The recorded requests are divided into 3 groupings that broadly reflect the nature of the requests made by Hydro.² They are (i) requests for all available hydro generation on the Avalon Peninsula, (ii) requests for all available hydro generation province wide, and (iii) requests for all available generation including thermal generation.³

Graph 1 summarizes the data contained in Attachment A.

Graph 1
Recorded Requests for Additional Generation
January 2009 to January 2014



¹ Newfoundland Power does not have comprehensive records of requests by Hydro to run its generation. As a result, the detailed information provided in this response does not provide a complete record of all requests made by Hydro. Newfoundland Power’s System Control Centre (“SCC”) operators typically log requests from Hydro for generation in the daily SCC diary. The amount of detail recorded is dependent upon the time available for operators to maintain the diary. On a typical day, the diary will fully reflect the events on the electricity system. However, on days when supervisory requirements for the electrical system are higher, maintenance of the diary will be a lower priority for SCC operators. For example, on January 4th, 2014 supervisory requirements for the electrical system were unusually high due to system disturbances and restoration efforts. Because of this, there were no SCC diary entries for most of January 4th, 2014.

² The recorded requests exclude those occasions when Newfoundland Power runs localized generation to support Hydro transmission maintenance. For example, Newfoundland Power runs its hydro and thermal generation in the Southwest portion of its service territory for approximately 1 week each summer to allow Hydro to maintain its transmission lines TL214 and TL215 which serve the Port Aux Basques area.

³ These requests are in addition to Newfoundland Power’s daily practice during the winter season of running available hydro generation at the time of morning and evening peaks.

Requests for Information

1 Graph 1 shows an increase in the number of requests for additional Newfoundland Power
2 generation, particularly hydroelectric generation, commencing in 2010. At least part of
3 this increase may be explained by changes to Hydro's *Generation Loading Sequence and*
4 *Generation Shortages* system operation instruction. These changes have advanced
5 Newfoundland Power's hydroelectric generation in Hydro's generation loading
6 sequence.⁴

⁴ In the April 29, 2009 version of Hydro's *Generation Loading Sequence and Generation Shortages* system operating instruction, a request to Newfoundland Power to maximize hydro production occurs *before* increasing Holyrood production to near full capacity (see Attachment 1 to the response to Request for Information PUB-NLH-033). In the March 31, 2003 version of the *Generation Loading Sequence and Generation Shortages* system operating instruction, a request to Newfoundland Power to maximize hydro production occurs *after* loading Hydro's steam generators (i.e., Holyrood) to near full capacity (see Hydro's *2003 General Rate Application*, Volume III, Exhibit JRH-3, *Review of COS Assignment for the GNP, Doyles-Port aux Basques, and Burin Peninsula Assets*, Appendix A).

**Recorded Requests for Additional Generation
2009 to January 31, 2014**

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
1/24/2009	9:32 PM	12:40 AM	3:08	X		
1/27/2009	6:18 AM				X	
7/23/2009	5:00 PM	6:19 PM	1:19	X		
8/18/2009	4:35 PM	8:12 PM	3:37	X		
8/24/2009	8:02 AM	3:15 PM	7:13		X	
8/24/2009	4:20 PM				X	
10/12/2009	9:10 AM			X		
10/12/2009	11:20 AM			X		
10/12/2009	5:00 PM			X		
10/14/2009	12:34 PM	9:55 PM	9:21			X
10/21/2009	4:45 PM	9:10 PM	4:25			X
12/21/2009	4:35 PM	6:19 PM	1:44	X		
4/9/2010	12:40 PM	2:28 PM	1:48			
4/24/2010	12:05 PM	3:03 PM	2:58	X		
4/24/2010	4:34 PM	4:56 PM	0:22	X		
4/26/2010	8:22 AM	4:00 PM	7:38		X	
4/27/2010	7:48 AM	10:08 PM	14:20	X		
4/28/2010	7:40 AM	10:30 AM	2:50	X		
5/11/2010	9:39 AM					
5/24/2010	9:25 AM			X		
6/29/2010	8:30 AM	3:20 PM	6:50	X		
6/30/2010	8:15 AM	1:40 PM	5:25	X		
7/1/2010	8:50 AM	2:30 PM	5:40	X		
7/1/2010	4:44 PM	6:18 PM	1:34	X		
7/2/2010	8:13 AM	1:23 PM	5:10	X		
7/5/2010	8:52 PM	10:34 PM	1:42	X		
7/6/2010	7:30 AM			X		
7/7/2010	8:02 AM			X		
7/8/2010	7:40 AM			X		
7/8/2010	5:20 PM	10:00 PM	4:40	X		
7/9/2010	9:00 AM	11:00 AM	2:00	X		
7/20/2010	10:14 AM	1:57 PM	3:43	X		
7/21/2010	9:56 AM	12:30 PM	2:34	X		
7/26/2010	11:35 AM			X		
8/5/2010	10:11 AM	2:25 PM	4:14	X		
8/6/2010	11:22 AM			X		

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
8/10/2010	9:16 AM			X		
8/11/2010	10:38 AM			X		
8/13/2010	8:52 AM	1:31 PM	4:39	X		
8/16/2010	11:34 AM	2:40 PM	3:06	X		
8/16/2010	4:39 PM	6:08 PM	1:29	X		
8/17/2010	8:50 AM	1:35 PM	4:45	X		
8/17/2010	4:05 PM	6:35 PM	2:30	X		
8/18/2010	9:52 AM	10:02 PM	12:10	X		
8/23/2010	8:57 AM	2:00 PM	5:03	X		
8/23/2010	4:57 PM	6:40 PM	1:43	X		
8/23/2010	8:40 PM	10:00 PM	1:20	X		
8/24/2010	9:10 AM	1:26 PM	4:16	X		
8/24/2010	4:55 PM	6:34 PM	1:39	X		
8/24/2010	8:35 PM	10:00 PM	1:25	X		
8/25/2010	9:30 AM	1:40 PM	4:10	X		
8/25/2010	4:45 PM	5:45 PM	1:00	X		
8/25/2010	8:55 PM	10:05 PM	1:10	X		
8/26/2010	9:30 AM	12:40 PM	3:10	X		
8/26/2010	4:15 PM			X		
8/26/2010	8:08 PM	9:50 PM	1:42	X		
8/27/2010	8:12 PM	9:22 PM	1:10	X		
8/30/2010	9:31 AM	1:54 PM	4:23	X		
8/30/2010	3:51 PM	6:00 PM	2:09	X		
8/31/2010	9:35 AM	1:00 PM	3:25	X		
8/31/2010	8:36 PM	10:00 PM	1:24	X		
9/1/2010	10:55 AM			X		
9/2/2010	10:30 AM	4:30 PM	6:00	X		
9/2/2010	7:55 PM	9:50 PM	1:55	X		
9/3/2010	9:39 AM	1:30 PM	3:51	X		
9/3/2010	4:45 PM	5:42 PM	0:57	X		
9/8/2010	11:20 AM	2:14 PM	2:54	X		
9/8/2010	3:56 PM	6:22 PM	2:26	X		
9/9/2010	7:35 AM			X		
9/10/2010	9:52 AM	3:00 PM	5:08	X		
9/10/2010	4:10 PM	7:30 PM	3:20	X		
9/13/2010	4:45 PM	6:22 PM	1:37	X		

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
9/13/2010	7:16 PM	9:57 PM	2:41	X		
9/14/2010	7:52 AM	9:42 AM	1:50	X		
9/14/2010	4:43 PM	6:04 PM	1:21	X		
9/14/2010	7:19 PM	9:41 PM	2:22	X		
9/26/2010	9:25 AM			X		
9/28/2010	7:25 AM	9:03 AM	1:38	X		
10/24/2010	12:28 PM			X		
10/26/2010	7:34 AM	8:42 AM	1:08	X		
10/26/2010	4:00 PM	8:30 PM	4:30	X		
10/27/2010	7:10 AM	9:43 AM	2:33	X		
11/1/2010	7:25 AM	9:50 AM	2:25	X		
11/1/2010	4:35 PM			X		
11/2/2010	7:10 AM	9:47 AM	2:37	X		
11/3/2010	4:48 PM	10:22 PM	5:34	X		
11/4/2010	6:51 AM	10:26 AM	3:35	X		
11/4/2010	5:52 PM	9:04 PM	3:12	X		
11/5/2010	6:56 AM	10:09 AM	3:13	X		
11/12/2010	7:04 AM			X		
11/15/2010	4:05 PM	9:00 PM	4:55	X		
11/16/2010	6:09 AM	8:50 AM	2:41	X		
11/16/2010	3:42 PM	7:14 PM	3:32	X		
11/20/2010	4:00 PM	10:32 PM	6:32	X		
11/21/2010	7:15 PM			X		
11/22/2010	6:10 AM			X		
11/22/2010	3:50 PM			X		
11/23/2010	5:48 AM	8:13 AM	2:25	X		
11/23/2010	3:37 PM	5:12 PM	1:35	X		
11/24/2010	6:03 AM	8:24 AM	2:21	X		
11/25/2010	4:11 PM			X		
11/29/2010	8:00 AM	9:15 AM	1:15	X		
11/29/2010	4:10 PM	9:25 PM	5:15	X		
11/30/2010	7:00 AM			X		
12/2/2010	6:15 AM			X		
12/10/2010	3:25 PM	7:30 PM	4:05	X		
12/11/2010	7:30 AM	9:38 PM	14:08	X		
12/12/2010	2:48 PM			X		

Supply Issues and Power Outages
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Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
12/12/2010	7:51 PM			X		
12/13/2010	5:46 AM			X		
12/21/2010	3:17 PM	7:15 PM	3:58	X		
1/5/2011	3:45 PM	8:59 PM	5:14	X		
1/6/2011	3:27 PM	9:21 PM	5:54	X		
1/14/2011	1:50 PM	7:05 PM	5:15	X		
1/15/2011	3:56 PM	5:34 PM	1:38	X		
1/16/2011	3:45 PM	5:21 PM	1:36	X		
1/17/2011	6:10 AM			X		
2/8/2011	5:43 AM			X		
3/15/2011	7:00 AM			X		
3/16/2011	7:10 AM			X		
3/22/2011	9:00 PM	9:45 PM	0:45	X		
3/23/2011	7:15 AM			X		
4/3/2011	12:00 PM	2:01 PM	2:01	X		
4/11/2011	7:45 AM	9:00 AM	1:15	X		
4/12/2011	10:31 AM			X		
4/19/2011	8:55 PM	9:34 PM	0:39	X		
4/20/2011	7:11 AM			X		
4/21/2011	7:10 AM			X		
5/2/2011	7:10 AM			X		
6/12/2011	7:50 PM	10:33 PM	2:43	X		
6/13/2011	7:09 AM			X		
6/15/2011	11:12 AM			X		
9/27/2011	7:27 AM	9:04 AM	1:37	X		
9/27/2011	5:30 PM	9:50 PM	4:20	X		
9/28/2011	2:30 AM	10:09 PM	19:39	X		
10/20/2011	4:55 PM	8:24 PM	3:29	X		
11/24/2011	6:56 AM			X		
11/24/2011	4:24 PM			X		
11/25/2011	4:43 PM			X		
12/4/2011	8:35 AM	1:45 PM	5:10	X		
12/14/2011	4:15 PM	9:50 PM	5:35	X		
12/15/2011	4:00 PM	9:30 PM	5:30	X		
12/16/2011	8:15 AM	9:52 AM	1:37	X		
1/15/2012	5:45 AM			X		

Supply Issues and Power Outages
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Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
1/16/2012	5:46 AM			X		
1/20/2012	4:38 PM	6:56 PM	2:18	X		
2/1/2012	3:50 PM			X		
2/2/2012	7:53 AM			X		
2/10/2012	4:06 PM			X		
2/24/2012	8:10 AM			X		
3/8/2012	7:15 AM			X		
3/15/2012	7:30 AM	10:11 AM	2:41	X		
3/16/2012	7:17 AM			X		
3/22/2012	7:34 AM	10:30 AM	2:56	X		
4/29/2012	9:54 AM	11:45 AM	1:51	X		
4/29/2012	8:29 PM	10:06 PM	1:37	X		
4/30/2012	6:00 AM	10:11 AM	4:11	X		
5/1/2012	6:44 AM			X		
5/2/2012	7:23 AM			X		
5/6/2012	10:22 AM			X		
5/8/2012	7:39 AM	10:00 AM	2:21	X		
6/5/2012	7:06 AM	3:28 PM	8:22	X		
6/6/2012	6:50 AM			X		
6/16/2012	9:34 PM	10:53 PM	1:19	X		
6/18/2012	8:16 AM	9:05 AM	0:49	X		
7/12/2012	1:23 PM	2:13 PM	0:50	X		
10/4/2012	11:20 AM			X		
10/4/2012	3:30 PM	9:36 PM	6:06	X		
10/7/2012	9:34 AM			X		
10/11/2012	7:06 AM	9:23 AM	2:17	X		
10/13/2012	9:54 AM	1:56 PM	4:02	X		
10/13/2012	5:05 PM			X		
10/14/2012	8:26 AM	1:00 PM	4:34	X		
10/15/2012	7:10 AM	8:15 PM	13:05	X		
10/25/2012	8:05 AM	9:40 AM	1:35	X		
10/25/2012	10:43 AM	10:05 PM	11:22	X		
10/26/2012	7:10 AM	12:27 PM	5:17	X		
10/26/2012	5:30 PM	7:30 PM	2:00	X		
10/29/2012	5:26 PM	9:26 PM	4:00	X		
10/30/2012	7:49 AM	8:28 PM	12:39	X		

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
10/31/2012	7:35 AM	1:18 PM	5:43	X		
10/31/2012	3:27 PM	9:06 PM	5:39	X		
11/1/2012	7:16 AM	12:44 PM	5:28	X		
11/1/2012	5:15 PM	8:41 PM	3:26	X		
11/7/2012	7:00 AM			X		
11/8/2012	6:55 AM	10:50 PM	15:55	X		
11/10/2012	4:45 PM	8:17 PM	3:32	X		
11/11/2012	8:45 AM			X		
11/12/2012	7:00 AM	1:30 PM	6:30	X		
11/15/2012	12:25 PM	9:40 PM	9:15	X		
11/16/2012	7:22 AM			X		
11/18/2012	9:22 AM	11:54 AM	2:32	X		
11/19/2012	6:28 AM	8:00 PM	13:32	X		
11/20/2012	6:34 AM	9:05 PM	14:31	X		
11/21/2012	6:30 AM			X		
11/22/2012	7:30 AM	2:30 PM	7:00	X		
11/23/2012	6:54 AM	11:12 PM	16:18	X		
11/24/2012	8:39 AM	1:14 PM	4:35	X		
11/25/2012	4:53 PM	9:01 PM	4:08	X		
11/26/2012	7:09 AM			X		
11/28/2012	6:10 AM			X		
12/4/2012	6:45 AM	9:51 PM	15:06	X		
12/5/2012	7:00 AM	10:00 PM	15:00	X		
12/7/2012	6:30 AM			X		
12/10/2012	4:39 PM	11:42 PM	7:03	X		
12/13/2012	6:00 AM	11:30 PM	17:30	X		
12/14/2012	6:45 AM	11:00 PM	16:15	X		
12/16/2012	4:33 PM			X		
12/17/2012	5:06 PM			X		
12/19/2012	3:46 PM			X		
1/4/2013	6:59 AM			X		
1/10/2013	6:30 AM	9:21 AM	2:51	X		
1/11/2013	4:25 PM	6:41 PM	2:16	X		
1/12/2013	8:21 AM	9:45 AM	1:24			X
1/16/2013	6:57 AM	8:50 PM	13:53	X		
1/17/2013	6:38 AM	7:40 PM	13:02	X		

Supply Issues and Power Outages
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Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
1/18/2013	5:23 AM	9:55 PM	16:32			X
1/19/2013	6:00 AM	11:43 AM	5:43			X
1/19/2013	4:00 PM	7:15 PM	3:15			X
1/22/2013	7:40 AM	9:03 AM	1:23	X		
1/22/2013	4:00 PM	7:07 PM	3:07	X		
1/23/2013	6:45 AM	9:28 AM	2:43		X	
1/23/2013	4:03 PM	9:11 PM	5:08			X
1/24/2013	6:33 AM	10:15 AM	3:42		X	
1/24/2013	3:44 PM	9:53 PM	6:09			X
1/25/2013	7:11 AM	10:19 AM	3:08		X	
1/25/2013	3:49 PM	7:53 PM	4:04			X
1/26/2013	9:45 AM	1:06 PM	3:21		X	
1/26/2013	4:30 PM	7:10 PM	2:40		X	
1/27/2013	9:28 AM	7:30 PM	10:02			
1/28/2013	7:00 AM	9:30 AM	2:30		X	
1/28/2013	4:00 PM	9:30 PM	5:30		X	
1/29/2013	6:34 AM	10:07 AM	3:33			X
1/29/2013	4:50 PM	8:18 PM	3:28		X	
1/30/2013	7:01 AM				X	
2/5/2013	8:10 AM	9:03 PM	12:53	X		
2/6/2013	6:25 AM	8:25 PM	14:00	X		
2/7/2013	7:26 AM			X		
2/8/2013	7:21 AM	9:38 AM	2:17			X
2/8/2013	5:03 PM	9:40 PM	4:37		X	
2/9/2013	8:26 AM	9:20 PM	12:54			X
2/12/2013	6:35 AM	1:00 PM	6:25	X		
2/23/2013	5:55 PM			X		
2/25/2013	7:30 AM	9:00 AM	1:30	X		
2/26/2013	7:33 AM	9:00 AM	1:27	X		
2/26/2013	6:20 PM	11:15 PM	4:55	X		
2/27/2013	7:09 AM	11:30 AM	4:21	X		
2/27/2013	5:25 PM				X	
4/4/2013	4:04 PM	12:15 AM	8:11		X	
4/5/2013	6:49 AM	10:55 AM	4:06		X	
4/12/2013	7:00 AM	1:36 PM	6:36			X
4/17/2013	7:10 AM			X		

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
4/19/2013	7:15 AM	1:36 PM	6:21	X		
4/25/2013	6:50 AM	7:20 AM	0:30	X		
5/11/2013	9:42 AM	2:25 PM	4:43	X		
5/11/2013	4:46 PM	11:59 PM	7:13	X		
5/12/2013	7:07 AM			X		
5/16/2013	8:23 PM	10:36 PM	2:13	X		
5/23/2013	7:03 AM	11:10 AM	4:07	X		
5/24/2013	7:03 AM					
6/3/2013	7:18 AM			X		
6/12/2013	7:14 AM			X		
6/19/2013	4:30 PM	6:10 PM	1:40	X		
7/12/2013	7:04 AM			X		
8/6/2013	11:51 AM	2:30 PM	2:39	X		
9/11/2013	4:52 PM			X		
10/10/2013	8:09 AM	10:25 AM	2:16	X		
10/10/2013	11:27 AM	3:06 PM	3:39	X		
10/11/2013	9:51 AM	1:16 PM	3:25	X		
10/11/2013	4:35 PM			X		
10/14/2013	7:35 AM	2:15 PM	6:40	X		
10/15/2013	5:07 PM	8:00 PM	2:53	X		
10/16/2013	8:02 AM	3:00 PM	6:58	X		
10/17/2013	8:00 AM			X		
10/22/2013	8:15 AM				X	
10/22/2013	6:20 PM			X		
10/23/2013	6:47 AM			X		
10/27/2013	9:24 AM	12:04 PM	2:40	X		
10/30/2013	7:59 AM	10:00 AM	2:01	X		
10/30/2013	6:00 PM	9:24 PM	3:24	X		
10/31/2013	7:07 AM	9:37 AM	2:30	X		
11/1/2013	4:24 PM	6:45 PM	2:21	X		
11/4/2013	5:05 PM			X		
11/10/2013	9:45 AM	1:15 PM	3:30	X		
11/10/2013	4:30 PM			X		
11/11/2013	9:20 AM			X		
11/12/2013	6:30 AM	10:53 AM	4:23	X		

Supply Issues and Power Outages
on the Island Interconnected System*Requests for Information*

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
11/14/2013	6:47 AM			X		
11/15/2013	6:47 AM			X		
11/25/2013	6:38 AM			X		
12/1/2013	8:21 AM			X		
12/2/2013	6:53 AM	1:00 PM	5:53	X		
12/5/2013	7:09 AM			X		
12/6/2013	7:14 AM			X		
12/12/2013	4:57 PM			X		
12/18/2013	4:35 PM				X	
12/18/2013	6:14 AM			X		
12/19/2013	4:55 PM			X		
12/19/2013	7:03 AM			X		
12/20/2013	6:47 AM	11:43 AM	4:56	X		
12/20/2013	4:09 PM			X		
12/21/2013	4:36 PM				X	
12/22/2013	3:01 PM			X		
12/23/2013	5:13 PM	8:08 PM	2:55	X		
12/24/2013	4:17 PM	8:18 PM	4:01	X		
12/26/2013	9:25 AM	11:15 AM	1:50			
12/26/2013	4:08 PM	9:28 PM	5:20			X
12/28/2013	7:57 AM	11:00 AM	3:03	X		
12/28/2013	3:49 PM			X		
12/29/2013	11:00 AM				X	
12/29/2013	3:35 PM	9:55 PM	6:20			X
12/30/2013	7:52 AM	7:45 PM	11:53			X
12/31/2013	8:32 AM	10:00 AM	1:28		X	
12/31/2013	3:45 PM				X	
12/31/2013	4:55 PM	6:55 PM	2:00			X
1/1/2014	6:30 AM	10:17 PM	15:47			X
1/2/2014	6:19 AM	1:15 AM	18:56			X
1/3/2014	6:14 AM					X
1/4/2014	6:00 AM					
1/6/2014	4:12 PM	6:20 PM	2:08			
1/8/2014	6:30 AM					X
1/8/2014	11:28 AM	12:26 PM	0:58		X	
1/10/2014	3:45 PM					X
1/19/2014	12:27 AM	3:30 AM	3:03			X
1/22/2014	5:41 AM				X	

Supply Issues and Power Outages
on the Island Interconnected System

Requests for Information

Date	Start Time	End Time	Duration	Avalon Hydro	All Available Hydro	All Available Including Thermal
1/27/2014	5:38 PM				X	
1/29/2014	7:00 AM			X		
1/31/2014	6:57 AM				X	