

1 Q. Provide details of Hydro's Generation Shortage Protocol. Has Hydro undertaken a
2 review of this protocol? If yes, when will it be completed? If not, why not?

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5 A. Hydro has a System Operating Instruction titled "Generation Loading Sequence and
6 Generation Shortages". Please refer to PUB-NLH-033 Attachment 1.

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8 It should be noted that an additional step was recently added due to an agreement
9 reached between Hydro and Corner Brook Pulp and Paper. The step is now listed as
10 Step 13. The agreement allows Hydro to call upon Corner Brook Pulp and Paper to
11 provide capacity assistance in 20, 40 or 60 MW blocks. Requests can be made from
12 Hydro's Energy Control Centre to Corner Brook Pulp and Paper using four-hour
13 periods. Once the four-hour period expires, an additional request can be made if
14 further capacity assistance is required.

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16 The protocol was recently reviewed and updated. As well, this instruction is
17 reviewed annually to determine if any other additions or improvements can be
18 made.



NEWFOUNDLAND AND LABRADOR HYDRO - SYSTEM OPERATING INSTRUCTION

Title: Generation Loading Sequence And Generation Shortages*, **	Instruction Number: Station: Revision Number:	T-001 ENV, ERP, General 7
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INTRODUCTION

In the event of a system generation shortage, the following guidelines shall be followed in the sequence outlined in order to minimize outages to customers :

PROCEDURE

A. Normal Generation Loading Sequence

1. Bring on line all available Hydro hydroelectric generators and load them to near their full capacity.
2. Request Newfoundland Power to maximize their hydro production .
3. Make a Capacity Request of Deer Lake Power to maximize their hydroelectric generation.
4. Request Non-Utility Generators to maximize their hydro production .
5. Increase Holyrood production to near full capacity.
6. Notify customers taking non-firm power and energy that if they continue to take non-firm power, the energy will be charged at higher standby generation rates .
7. Ask Newfoundland Power to curtail any interruptible loads available .
8. Start and load standby generators, both Hydro and Newfoundland Power units, in order of increasing average energy production cost with due consideration for unit start-up time.

9. Cancel all non-firm power delivery to customers and ensure all industrial customers are within contract limits.

If load is still increasing and it is apparent that a generation shortage may occur, proceed as follows:

10. Ensure that steps A1 to A9 above have been followed and implemented.

11. Inform Newfoundland Power of Hydro's need to reduce supply voltage at Hardwoods and Oxen Pond and other delivery points to minimum levels to facilitate load reduction. Begin voltage reduction.

12. Request industrial customers to shed non-essential loads and inform them of system conditions.

13. Request industrial customers to shed additional load.

14. Request Newfoundland Power to shed load by rotating feeders. At the same time, shed load by rotating feeders in Hydro's Rural areas where feeder control exists.

Note:

Generation from Wind Farms may shutdown with little notice.

* Part of the Environmental Management System

** Part of the Emergency Response Plan

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