

1 Q. (Regulated Activities Evidence page 2.41, lines 13 to 15)

2 Does Hydro apply full capacity credit to the wind farms; i.e., is the full rated capacity
3 of the wind farms expected to be available during the system peak period?
4

5

6

7 A. []

8

9 Based on Hydro's Amended Application, it is proposed that there would be no

10 capacity credit given for the existing wind farms. For Hydro's systems planning

11 purposes, there is assumed to be no wind farm capacity available during the Island

12 peak period.

13

14 Previously, Hydro planned on the basis of a wind capacity credit of 40% for the

15 existing wind farms during Island system peak period for both wind farms

16 combined. This figure (40%) was based on the forecast average annual production

17 of both wind farms. As may be seen in the *Wind Farm Production Table* in the

18 response to NP-NLH-043, both wind farms combined have exceeded 40% during the

19 system peak times from 2009 to 2013. However, as is also noted in the same

20 response, there have been times when the system load has been very high that the

21 wind farms have not been available. This is usually because the wind speed at the

22 time exceeds the rating of the wind farms, causing them to shut down. Also, as

23 shown in the chart *St. Lawrence and Fermeuse Wind Generation February 10, 2014*

24 in the response to NP-NLH-043, there was very little wind capacity available on

25 February 10, 2014, the island system peak day to date for 2014. As wind farm

26 capacity cannot be depended on to be available during the system peak or near

27 peak periods, it was decided that capacity credit would not be applied to wind

farms.