EB-2013-0246

From: Ed Dosi [redacted]
Sent: October-03-13 10:55 PM
To: BoardSec
Subject: Hydro One Networks Inc. is asking the Ontario Energy Board for permission to upgrade 25 kilometers of a currently idle 115 kilo volt electricity transmission line and build a 100 m connection to an existing transformer station. This line would connect ...

Dear Rudra Mukherji and Edik Zwarenstein

Re: EB-2013-0246

Hydro One Networks Inc. is asking the Ontario Energy Board for permission to upgrade 25 kilometers of a currently idle 115 kilo volt electricity transmission line and build a 100 m connection to an existing transformer station. This line would connect a wind farm (Niagara Region Wind Corporation) and its associated electricity line to the provincial power grid.

I would like to address the issue of "The interests of consumers with respect to prices and reliability and quality of electricity service"

According to the Hydro One Networks Inc feasibility study by John Sabiston, Manager, Transmission Planning for Hydro One dated Nov 22, 2012 this proposal has technical problems and compromises the reliability of the grid. (Approved by Gene Ng, P.Eng. Network Management Engineer Transmission System Developent)

The 115 kV transmission circuits are used to supply local load and to connect generation located at Decew Falls GS and part of the Beck complex. These circuits are not connected to the Hamilton load centre for the following technical reasons:

1. Connecting the 115 kV circuits to the Hamilton load centre results in the direct violation of Q2AH Winona TS Operating Restriction affecting the Allanburg and Beck's remote protection operation.

2. It creates a circular flow from Niagara to Hamilton to Winona reducing the efficiency of the system in the area

3. It increases the susceptibility to faults for consumers supplied by the circuit.

4, It creates possible overloading and voltage support concerns in the Allanburg area.

According to this report – Even though approximately 120 MW of load can be transferred to the single radial circuit, this is not a feasible or recommended practice. The security and reliability of power to the additional industrial loads, from a double circuit supply to a single circuit supply is greatly compromised. In addition the fault susceptibility for all load customers on the circuit is significantly increased.

According to this report - Conclusion #3 – the only means of shifting load to Q2AH is to operate it in a normally closed configuration, which violates operating restrictions, protection schemes and reduces the efficiency and security of the area.

Conclusion #4 A maximum of 120 MW of industrial load can be supplied by Q2AH before continuous voltage requirements are violated and the area becomes more susceptible to a voltage stability issue. This does not free enough capacity on the QEW interface to accommodate the 230 MW wind farm.

Wind power is an intermittent inefficient and unpredictable resource which can compromise the reliability, stability, and efficiency of the system. Because wind power needs backup power generated from other energy sources to maintain a steady reliable output the electricity consumers are paying for two electricity systems. SO why is the OEB continuing to focus on systems that will compromise the electricity system of Ontario?

As you are reviewing Ontario's Long-Term Energy Plan and "Making Choices - for the citizens of Ontario" please consider your mandate. The OEB is an independent regulatory agency MANDATED to protect the interests of consumers with respect to the price, adequacy, reliability and quality of electricity service. It is responsible for promoting ECONOMIC EFFICIENCY AND COST EFFECTIVE generation, transmission and distribution of electricity in Ontario.

According to the 2011 Auditor General's Report the GOAL is for consumers to get reliable, affordable and sustainable power; and that any energy plan is economically prudent and cost-effective.

Ontario is being put in the ludicrous position of spilling water to reduce electricity supply. Because the overall cost to produce hydro power is often lower than that of all other types of power, reducing hydro power to “make room” for wind and solar is an expensive mitigation strategy, particularly as HYDRO, wind and solar power are all renewable energy sources.

Please, just do your job and protect the interests of Ontario electricity consumers. Do NOT upgrade the high voltage transmission lines and download these costs onto the electricity consumers.

The renewable energy initiative is driving industry out of this province due to increased energy costs.

The renewable energy initiative is crippling our economy and will bankrupt this province.

Respectfully submitted

Ed and Hilda Dosi

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