

Dear Mr. Poilievre:


Further to your request to the Library of Parliament on 7 August 2012, below is the additional information you requested regarding electricity demand and supply in Ontario.

The Ontario Power Authority's (OPA) Long-Term Energy Plan (http://www.powerauthority.on.ca/sites/default/files/page/MEI_LTEP_en.pdf) sets out the province's energy demand and supply through 2030. The medium growth scenario calls for 15% growth in energy demand through 2030, taking into account conservation efforts as well as forecasted changes in household and industrial energy use. In order to meet the increased demand, the OPA reports that an additional 15,000 megawatts of generating capacity will need to be installed.

According to my calculations, the premium associated with energy produced by the Marlborough Wind Farm compared to lower cost generation plants (refurbished nuclear) or conservation efforts could be between \$3.0 million and \$4.8 million annually. If the estimated 60 million kilowatt hours of electricity expected to be generated by the Marlborough Wind Farm were instead generated by a new natural gas plant, the cost premium might be in the order of \$1.2 million annually.

Should you require additional information on this subject, or material on any other topic, please do not hesitate to contact the Parliamentary Information and Research Service.

Yours sincerely,

 Analyst
Industry, Innovation and Infrastructure Section
Parliamentary Information and Research Service
Library of Parliament

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