



Eastern Ontario Wardens' Caucus

Briefing/Speaking Note

Marmora Pumped Storage Project

ROMA/OGRA 2012

Marmora Pumped Storage Project

Issue

The EOWC is supporting a proposal by Northland Power to invest \$700million in a 400 megawatt hydro-electric pumped storage project in the municipality of Marmora & Lake located within Hastings County.

The EOWC strongly supports the project because of its low cost technology, its environmental (zero emissions) and economic sustainability, the 800+ jobs it will create during construction and the 45 permanent positions that will be employed in its operations.

Background

Ontario needs mechanisms for managing its surplus base load generation (SBG) in a cost effective, timely and efficient way. Renewable power will continue to play a key role in Ontario's electricity system but because of its intermittent nature and the timing of when it produces power (e.g. wind produces much of its generation at night when demand is low) Ontario must find ways of handling the SBG and costs related to it.

The Marmora Pumped Storage project offers Ontario a viable solution and at the same time would provide our region with a much needed economic boost, one that will last a generation.

Project Highlights:

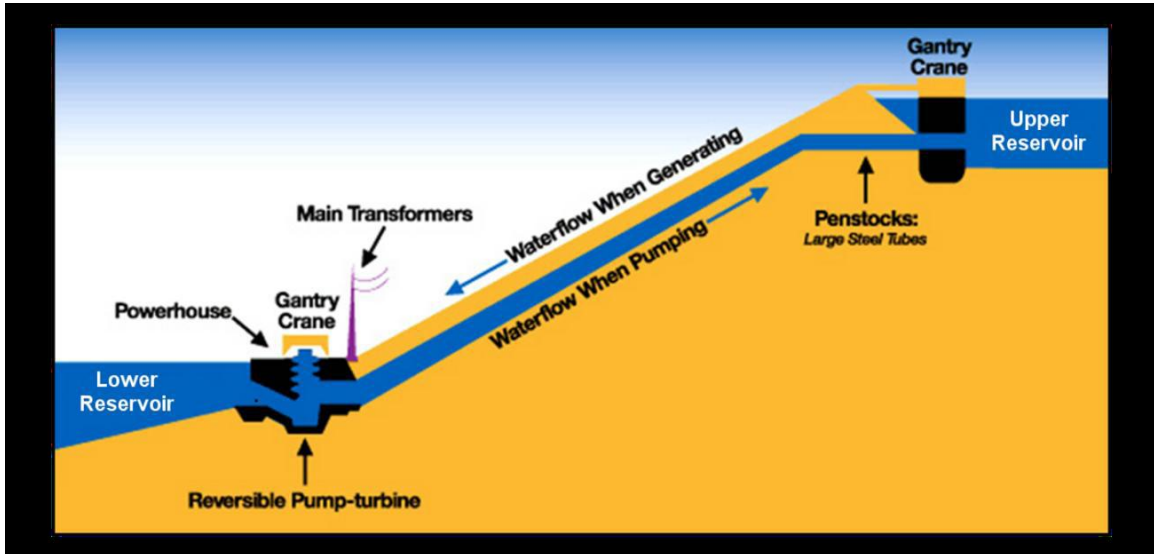
- \$700 million private sector investment;
- 800+ jobs during construction;
- 45 permanent jobs;
- 0 emissions;
- 400 megawatts of on demand power;
- Low cost power (1/5 that of natural gas);
- Makes use of abandoned mine turning into an economic generator;
- Substantial tourism potential;
- Easy access to transmission grid serving Toronto and Ottawa
- Will help Province of Ontario reduce its curtailment payments to other jurisdictions;
- Provide the electricity system operator with the fastest demand response tool available to smooth out intermittent effect of renewable power;

Action Requested

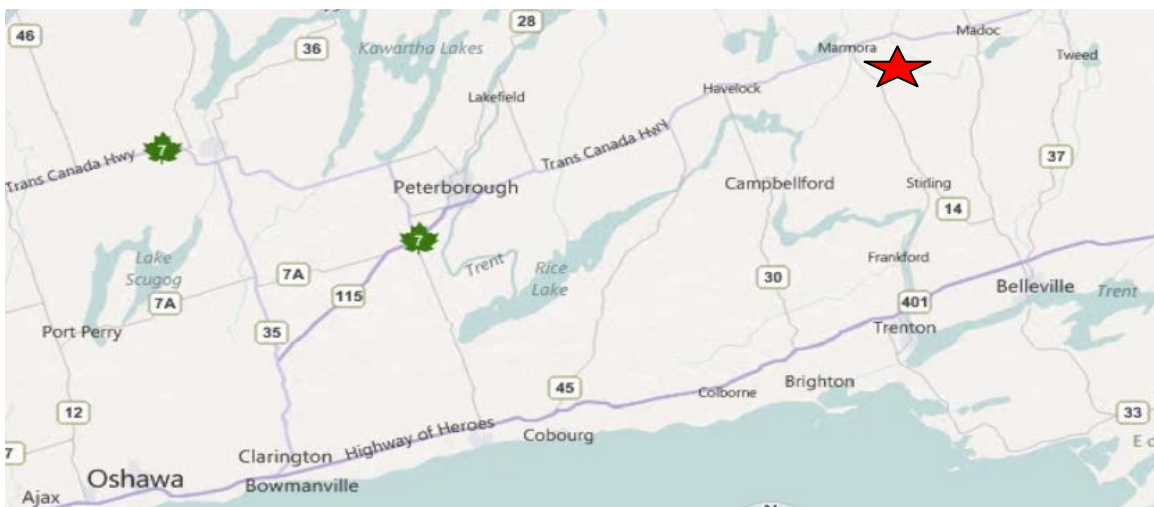
The EOWC respectfully asks the Minister to direct the Ontario Power Authority to work with Northland Power to determine the terms and conditions of a contract satisfactory to both parties so that it may be presented to you for your signature.

Project Background

What is pumped storage?



Where is it located?



Project Design

