

Ontario Pumped Storage: JUST THE FACTS

FICTION:

WHY PUMPED STORAGE (PSP) IS BAD FOR ONTARIO

WHO WOULD MESS WITH PERFECTION? SAVE Georgian BAY!

The proposed Pumped Storage Plant (PSP) would:

- Harm the beautiful lands of the Niagara Escarpment and waters of Georgian Bay.
- Excavate 375-acres of lands designated a World Biosphere Reserve by UNESCO.
- Jeopardize fish & the aquatic ecosystem by the staggering 20 million cubic meters of water it will draw each night.
- Use 30% more energy than it generates, enough to power a city the size of Barrie every day.
- Cost \$4.3 billion or more to build & generate 1000 Megawatts (MW) of power.
- Ontario could import 2000 MW of power from Quebec at a cost of \$80 million. That's twice as much power for 2% of the cost!
- Offer savings of only \$11 per person each year. You can save more by changing a single incandescent light bulb with LED.
- Increase carbon dioxide (CO₂) levels through forest clear-cutting; real CO₂ reduction occurs with replacing fossil fuel furnaces & vehicles with electric versions.

The PSP does not provide value to Ontario ratepayers & it uses outdated technology!

FACT:

Ontario Pumped Storage will:

1. Reduce emissions, cut electricity costs and deliver clean, reliable and affordable energy to Ontarians, while creating jobs and boosting the Meaford economy. The proposed site is an active military base not within the boundaries of the Niagara Escarpment.
2. Construct a 375-acre reservoir to store water on property that is not designated a World Biosphere Reserve.
3. Preserve fish and the aquatic ecosystem by implementing systems to maximize protection of Georgian Bay. OPS will undergo rigorous provincial and federal environmental and impact assessments.
4. Use excess energy on Ontario's power grid that would otherwise be wasted or exported. With an anticipated round trip efficiency of approximately 75%, the Project will turn what would have been a 100% loss into a 75% gain, while reducing both the cost of electricity to consumers and greenhouse gas emissions.
5. Have a significant positive impact on the local economy by creating construction, engineering and hospitality jobs. That's all before the extra boost to local spending at local restaurants and small businesses!
6. Provide 1,000 megawatts (MW) of flexible, clean energy to the grid. The Independent Electricity System Operator (IESO) estimates that Ontario needs 5,000 to 15,000 MW of new capacity resources by 2035.
7. Deliver a Community Benefits Agreement with Meaford that will provide at least \$1.5 million annually to invest in partnerships and initiatives that matter to Meaford.
8. Eliminate CO₂ emissions equal to the removal of 150,000 cars off Ontario's roads. CO₂ reduction occurs when you cut emissions by 490,000 tonnes per year.
9. Produce reliable electricity when homes and businesses need it most, easing the transition from fossil fuel power generation, optimizing the power grid, and generating clean energy to power one million homes, while protecting Georgian Bay and the local environment.

Learn the facts about Ontario Pumped Storage.
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While pumped storage has been used successfully for 100-plus years, the technology OPS is implementing and using is virtually unrecognizable from its predecessors due to its highly reliable, long-life storage benefits, and its effectiveness as a large-scale, long-duration electricity storage solution.

Ontario Pumped Storage:

Local first. Clean and reliable power.
Protecting Georgian Bay and the Environment.

Learn more and show your support.
Join us at our Coffee Chats to give feedback.



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**See flip side breaking down
the fiction from the facts!**