

A proven technology. Creating energy with water and gravity.

For over 65 years, TC Energy has proudly delivered the energy that millions of Ontarians rely on to power their lives and fuel industry. It's a responsibility we take seriously, and we are excited about the future.

It's early in the process, but TC Energy is pleased to share news about a proposed local project, which would be co-located on the Canadian Army's 4th Canadian Division Training Centre (4th CDTC), just north of Meaford. We are proposing to construct a pumped hydraulic storage facility that would provide 1,000 megawatts of flexible, clean energy to Ontario's electricity system.

The proposed project will be designed to optimize Ontario's power system, storing surplus emission-free energy and returning it to Ontarians and businesses when they need it most.

What's important to know is that we are in the initial stages of meeting with the community and initiating studies to determine whether a pumped storage project at the proposed location is technically feasible.

In parallel, the Department of National Defence is conducting its own reviews to be certain that such a project would not affect their current or future military training and

operations at 4th CDTC. DND is also engaging in separate consultations in order to hear and respond to interests and concerns.

This project, if progressed, will be subject to several regulatory approval processes, including an Environmental Assessment approval under the Ontario Ministry of the Environment, Conservation and Parks and a federal Impact Assessment approval under the Impact Assessment Agency of Canada. These assessments will provide numerous opportunities for local community and stakeholder consultation and input. We are hopeful to kick-off some of these activities in the latter part of 2019.

TC Energy is committed to engaging early, openly and frequently with local communities and stakeholders throughout all stages of the proposed project. By engaging early and listening to community members, we create project plans with better outcomes for everyone involved.

If you would like to be added to the project email distribution list, please contact us by email at energy_storage@tcenergy.com. Visit us: www.tcenergy.com/pumpedstorage. If you have any questions or comments, please contact us at 1-844-551-0055 or at energy_storage@tcenergy.com.

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Driving local economic and environmental benefits

- The proposed project would require 800 skilled workers over a four year construction period.
- We anticipate a significant positive impact on local economies through the purchasing of local goods and services (example: equipment parts, fabrication, construction services, labour & materials) and the indirect impacts (example: food and accommodations, fuel, hardware).
- Preliminary studies estimate the capital cost to be \$3.3 billion; a cost borne by TC Energy.
- It would reduce the costs of electricity for Ontario ratepayers annually by approximately \$250 million/year.
- Over the lifecycle of the proposed project's operation, it will reduce CO₂ emissions by 465,000 tonnes/year; the equivalent of removing 100,000 cars off of Ontario roads.

You asked, we heard: Why this location?

The proposed project would be located at 4th CDTC and plugged in to the electricity grid via a transmission connection. Our approach is to avoid sensitive or valued features, where possible. We try to use existing footprints and follow existing rights-of-way to every extent practical to minimize new disturbance. As we identify transmission route options, we will engage early and frequently with communities to seek feedback.

The 4th CDTC's property is uniquely positioned for a pumped storage facility:

- The property is close to growth centres and electrical demand in Southern Ontario.
- It has ideal geography and topography, adjacent to Georgian Bay and elevated by the escarpment.
- This property is an active training facility that is largely isolated from local communities with limited public access.

An illustrative diagram

