



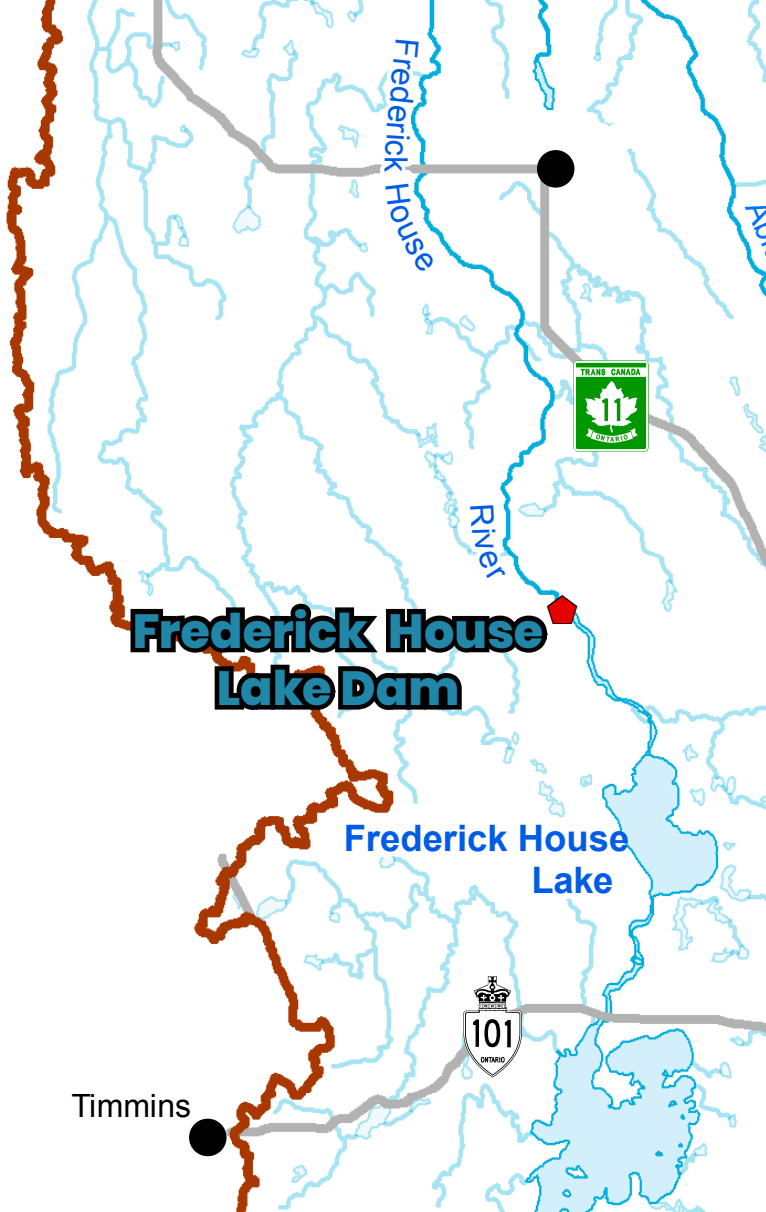
Rehabilitation of Frederick House Lake Dam

The Frederick House Lake Dam is one of 241 dams that OPG operates across Ontario. Constructed in 1937-1938, this dam has a long history of managing and storing water for hydroelectric generation at Abitibi Canyon and Otter Rapids GS in northeast Ontario.

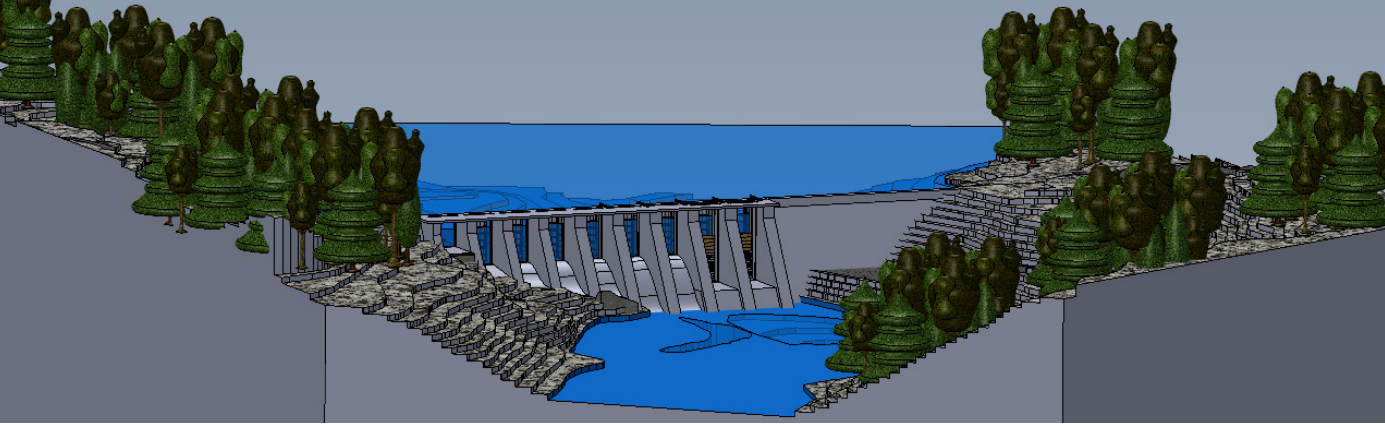
OPG is proud of its reputation as a world leader in dam safety and is planning to rehabilitate this existing structure. This work will ensure the dam continues to operate with the highest integrity, while supporting OPG's commitment to safety and operational excellence.

Location

The Frederick House Lake Dam is located about 50 km northeast of Timmins, downstream of Frederick House Lake.



Where a brighter tomorrow begins.



Proposed scope

This rehabilitation project will extend the operating life of the dam by 50 years while upholding the highest standards of dam and public safety. The dam will maintain existing flow capacity and no change will occur to current water levels and flows.

Proposed work includes:

- Concrete repairs to dam and sluiceway structure.
- Replacement of gains, sills, stoplogs and sectional gates.
- Replacement of the deck, gain covers, guardrails and fall arrest systems.
- Improved access on south and north ends of dam.
- Improvements to dam stability to meet dam safety regulatory requirements.
- Potential road maintenance to support construction access.
- Temporary in-water work (e.g. cofferdams).

Project benefits

- Support OPG's continued commitment to regulatory excellence.
- Advance OPG's Climate Change Plan with clean, renewable power.
- Create employment and commercial opportunities.

Did you know?

OPG's hydro stations and dams are diligently inspected, assessed, monitored and maintained according to Canadian Dam Association standards.

Preliminary schedule

- **Mar. – Sept. 2022**
Engineering design
- **May – Nov. 2022**
Environmental studies
- **Sept. 2022 – Feb. 2023**
Request for proposal for contractor
- **Jul. 2023 – Apr. 2025**
Construction