



<p><b>Client</b> Timber Run Hydropower Corporation</p> <p><b>Location</b> In the village of Norland, On., on the Gull River.</p>	<p><b>Team</b> Project Manager: Bryan Moloughney Eng., M.Eng.M., PMP.</p> <p>Support: Suzanne Tisseur</p>	<p><b>Dates</b> Design and fabrication - 2014-2016 Installation and commissioning - 2016-2017</p> <p><b>Cost of the work</b> 5 000 000 \$</p> <p><b>Professional fees</b> Included</p>
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### Project description

Timber Run Hydropower Corporation mandated Equinox Construction Services (ECS) to develop and execute the EPCM (Engineering, Procurement, Construction and Management) of the new 500 kW hydropower project, which included the contracting, procurement, construction, management and operation of a roller gate used in the Emergency Spillway at the Norland Hydropower Plant. The project was delivered through a Turnkey contract model where ECS managed every aspect from the Design Phase until commissioning and is still involved, to this day, in the long-term support tasks including periodic inspections and preventive maintenance.



ECS was in charge of the overseeing the design, fabrication, procurement, contracting, project & construction management, the cost and quality control and the sourcing. ECS also assembled the required specialists to complete the project, ensuring that the product respected the owners and regulatory agencies' requirement by conducting Environmental impact studies, topographic surveys and Geotechnical investigations.

The agencies involved included the Parcs Canada Agency, the Ministry of Natural Resources and Forestry, the Department of Fisheries and Oceans, the Village, and Transport Canada.

### Services provided

- Oversaw all Engineering and Contracting
- Owner of the Project Schedule and Project Budget
- Supervision of the design team and validation of inputs provided
- Identification of savings and risks for the Owner
- Management of various Project Stakeholders
- Management of an informal Call for Tenders period
- Sourcing and management of the Fabrication Team
- Supervision of the installation and commissioning
- Currently involved in the operation and maintenance of the equipment.

### Challenges

- Various stakeholders with often conflicting requirements
- Site supervision during winter months
- Validating fabrication quality and schedules

