

McGraw Falls Hydro Project Components

Existing Structure

The existing McGraw Falls dam consists of a concrete overflow section of approximately 40 m in length with an adjacent single stop-log structure.



Modifications to Existing Structure

It is proposed that a small rubber dam will be installed on the crest of the existing dam to increase the depth of water upstream of the dam and provide limited storage to the proposed hydro facility. This may provide an added benefit to the habitat both upstream and downstream.



Powerhouse

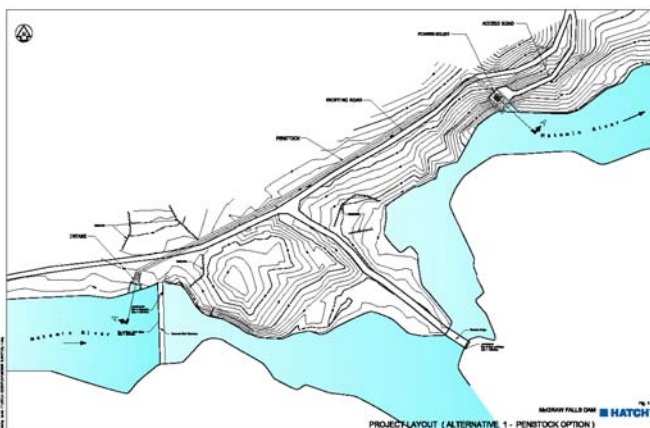
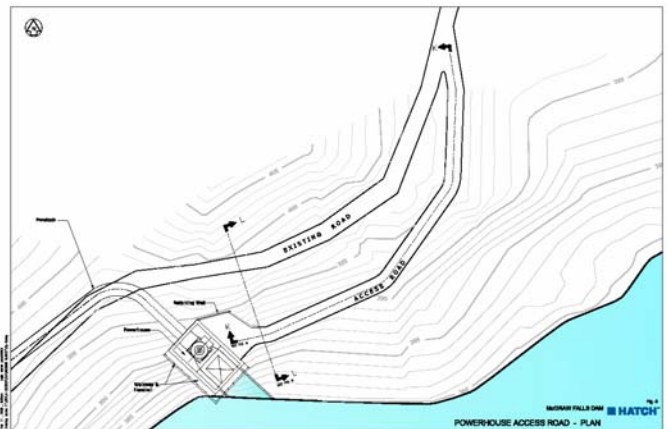
The McGraw Hydro project powerhouse will be constructed on the west bank of the Matawin River immediately below the existing waterfall. The powerhouse will contain a single generating unit.

Intake

A small intake structure will be constructed on the west bank of the Matawin River immediately upstream of the existing concrete dam.

Conveyance

A conveyance system is needed for the McGraw Falls Hydro Project to feed the water extracted from the Matawin River into the intake structure located upstream of the existing McGraw Falls Dam to the proposed powerhouse located downstream.



Access Road

A new powerhouse access road will be constructed to provide vehicle access to the powerhouse. The access road will be equipped with a gate to prevent unauthorized access, and will connect to the Shabaqua Rd.

Interconnection

The proposed 2 MW McGraw Falls Generating Station will be connected to the existing distribution line, which feeds into the local distribution grid at the Shabaqua Distribution Station.