

Name of Plant: Queenston Chippawa Development

Year in Service: 1921

Horsepower of Turbine: Turbines 1 & 2 designed for 52,000 HP
 Turbines 3,4,5 designed for 55,000 HP
 All at 305 Head

Equipment Used: Turbine Brand?

Annual Energy Gen.

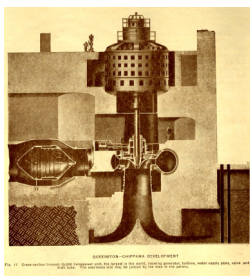


Water Conditions: River

Bearings Used: Lignum-Vitae was and still is the bearing of choice

Longevity of Bearing: Lignum-Vitae used for decades

Information of Note:



The main journal guide bearings on each unit is of water lubricated Lignum-Vitae. Lignum-Vitae use on all vertical turbine plants at the time. This type of bearing was selected for its simplicity and low maintenance cost. This was the first hydro electric installation with a plant capacity of 500,000 H.P.