

b.Brilliant

Welcome to b.Brilliant

Join Alex as she and her fellow makers explore the world by creating with new technology, interviews with experts to help solve problems, and uncovering the mysteries of "BB", a mischievous lab A.I. that seemingly likes to help, but also likes to cause some problems for b.Brilliant's teacher: Mr.Lingley.

b.Brilliant, Ep.2 : Activity 2 Renewable Energy Facts

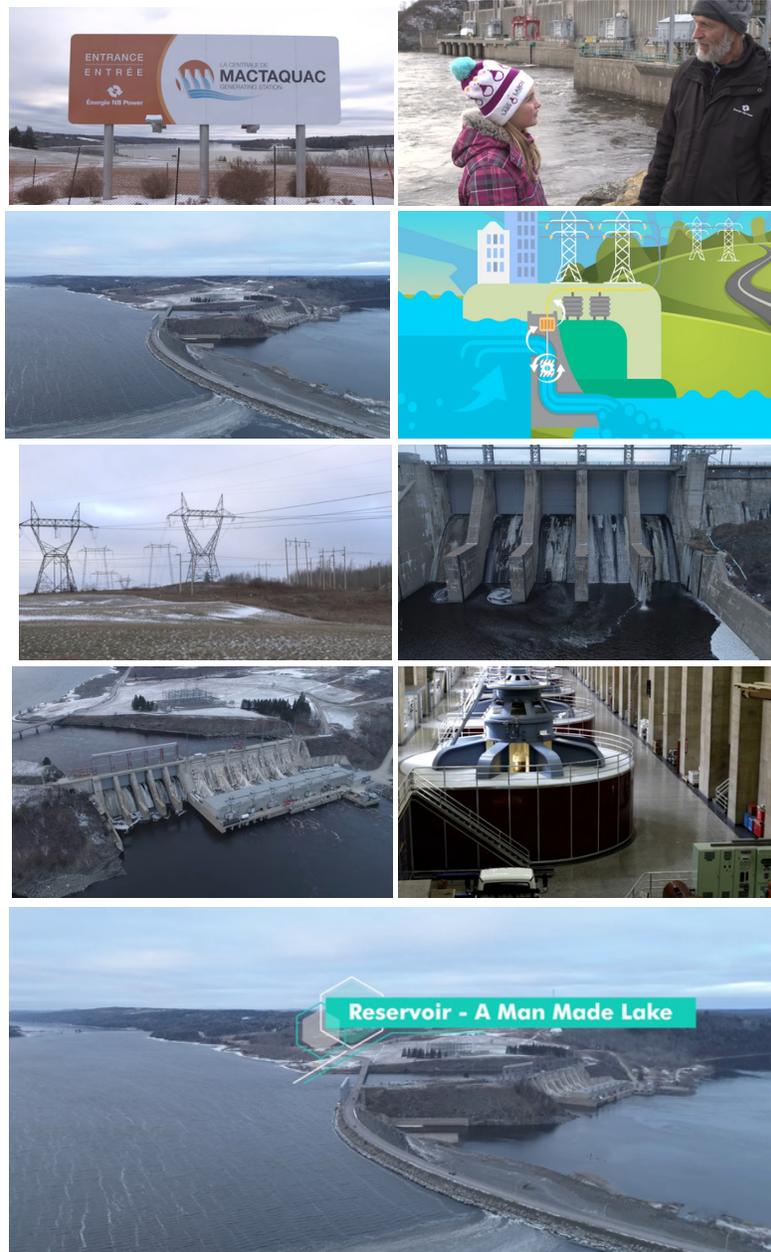
In this activity, we explore the Mactaquac hydroelectric dam in Mactaquac, NB with Maker Tessa and her grandfather. We learn all about how hydroelectricity works, what is used for and how it's useful. We learn how much water goes through the dam and what horsepower really means. We learn about turbines and how they help produce electricity.

Real world applications

The Mactaquac Hydroelectric Dam in New Brunswick provides enough power to turn on over six million light bulbs, or as much as 20% of New Brunswick's power through 670,000 megawatts of energy. It uses a reservoir or man made lake. The water is pushed through a turbine that is connected to a generator. This is what creates the electricity. There is 2400 cubic meters of water going through the dam. That is the equivalent of 1,000,000 pop bottles. Source, [b.Brilliant Episode 2](#).

What can I do?

"Continue to take math & science in school and then go to university to become an electrical engineer or college to become a technician" Finding energy solutions that are renewable is key!



QUESTIONS OR NEED A LITTLE SUPPORT? LET'S CONNECT, EMAIL INFO@BRILLIANTLAB.CA