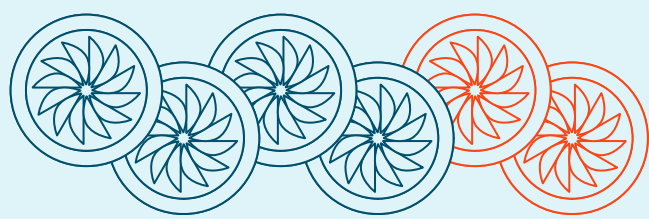


BC Hydro Mica Units 5 & 6 projects

Meeting peak demand

Peak demand indicates the amount customers demand from the system at any given hour within the year. Typically, demand for electricity peaks in the winter months on a very cold day, and our system must be capable of meeting that peak.

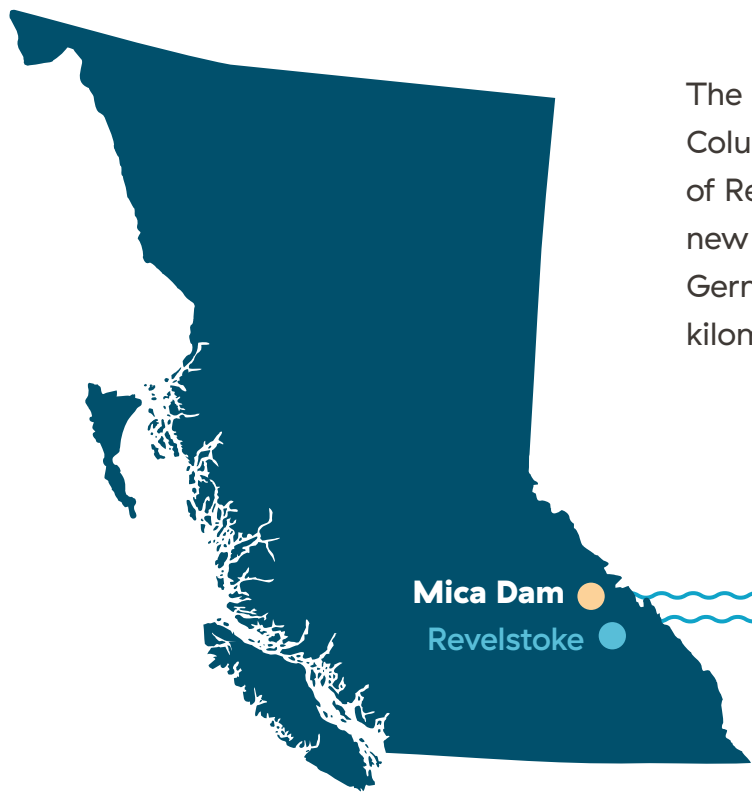


2 new units

To ensure B.C. continues to have the electricity it needs, two new generating units were installed at Mica Generating Station.



Mica generating station



The Mica Generating Station is located along the Columbia River about 145 kilometres north of Revelstoke. The Turbines that power the new generating units were manufactured in Germany and transported over 13,000 kilometres by sea, road and barge.

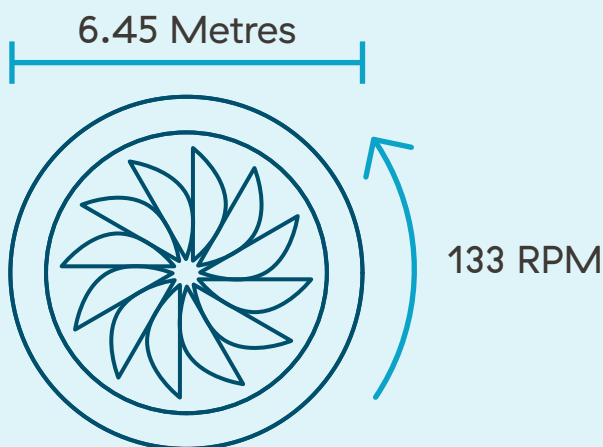


13,000 km



Stainless steel turbine

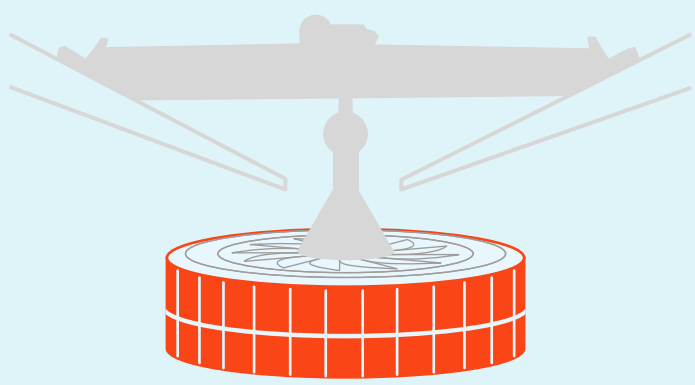
Each stainless steel turbine measures 6.45 metres across and weighs 135.7 tonnes—about as much as four humpback whales. When the new generating unit operates, the turbine spins at speeds of 133 revolutions per minute.



135.7 tonnes



12 hours



EVERY MILLIMETRE COUNTS

The installation required a specialized crane designed to carry the heavy load and took 12 hours to install. The turbines were lowered so they centered less than 0.2 millimeters from final position.

One thousand megawatts

The two generating units add approximately 1,000 megawatts of electricity to the grid, enough to power 80,000 homes. That's more than the entire city of Prince George.

80,000 homes

