



# Power

Teck Trail Operations

JANUARY 2020

The Waneta Dam

**Teck**

## About the Waneta Dam

The Waneta Dam and Generating Station is 100% owned by British Columbia Hydro and Power Authority since 2018. Teck holds a long-term lease for a two-thirds undivided interest in Waneta.

Teck utilizes its share of electricity produced at Waneta for its metallurgical and fertilizer production complex at Trail Operations.

The Waneta Dam and Trail Operations are connected to the British Columbia and United States power grids through Teck-owned transmission lines.

### Dam Structure

- Construction completed in 1954
- Type: Concrete gravity
- Height: 64 m
- Length: 290 m

### Four Generating Units

- Units 1 & 2: installed in 1954 and upgraded in 2003
- Unit 3: installed in 1964 and upgraded in 1995
- Unit 4: installed in 1966 and upgraded in 2007

### Rated Capacity

- Total: 490,000 kW

### Generation

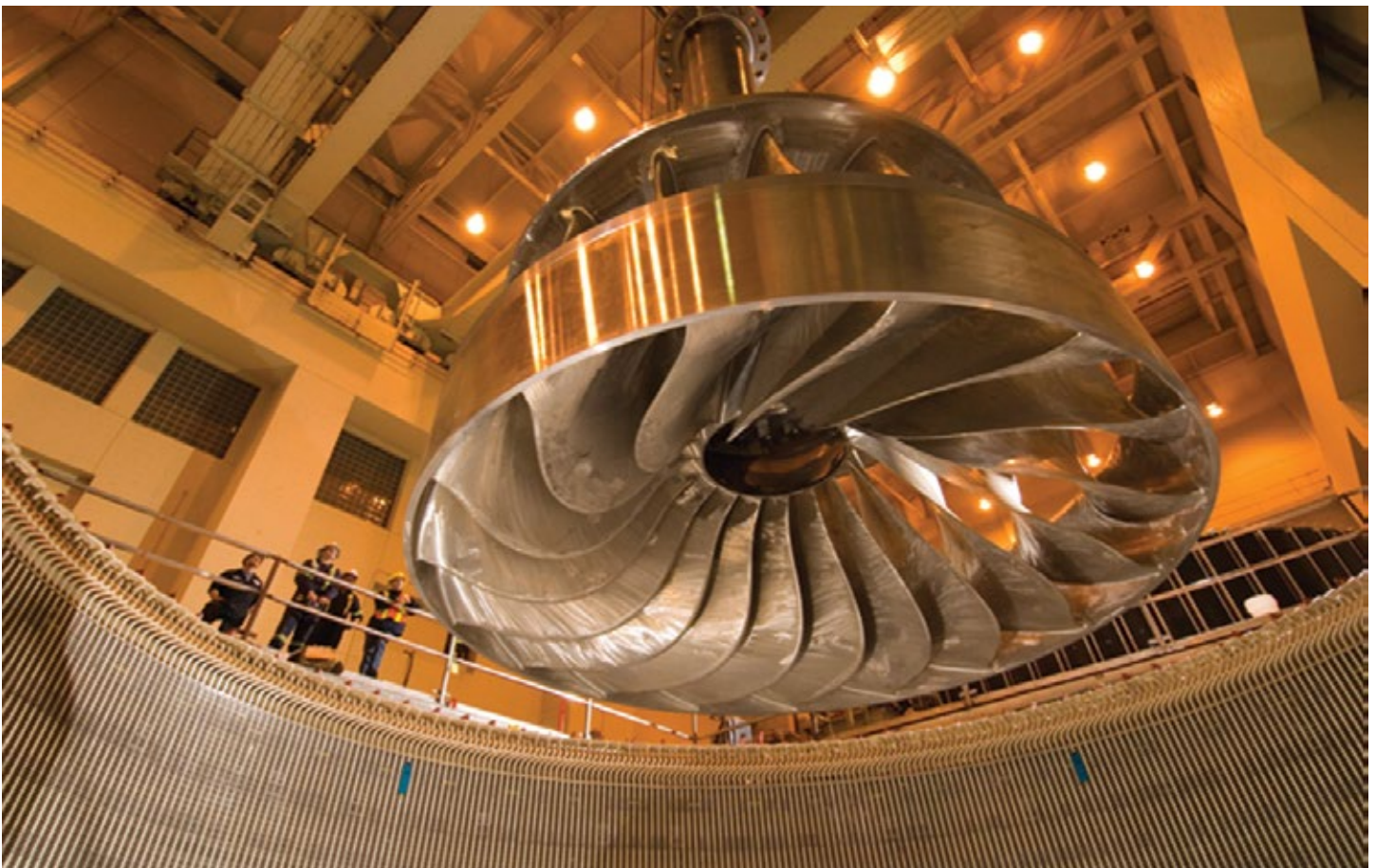
- Total: 2,745,000,000 kW.h

### Usage

- Trail Operations: 1,880,000,000 kW.h/annum average
- BC Hydro: 865,000,000 kW.h/annum average

### Fun Fact

The Waneta generators produce enough electricity to supply about 275,000 households in British Columbia.



Unit 4 Turbine/Generator Upgrade