

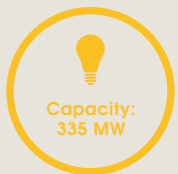


Waneta Expansion Project

OVERVIEW:

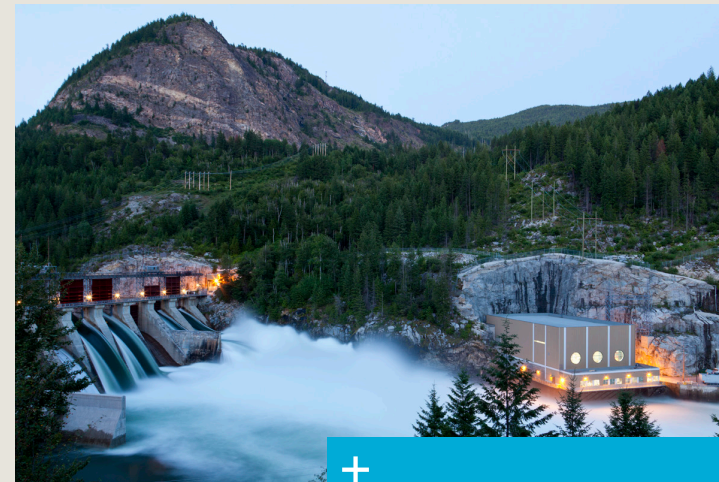
The \$900 million Waneta Expansion Project (scheduled for completion in spring 2015) will see the addition of a second powerhouse located immediately downstream of the Waneta Dam on the Pend d'Oreille River, near Trail, BC. The expansion will share the existing hydraulic head and generate power from water that would otherwise be spilled. Output from the expansion will be delivered to BC Hydro's Selkirk Substation through a new 10 km transmission line. The expansion will produce clean, renewable, cost-effective power for all British Columbians.

FAST FACTS:



- Fortis Inc. 51%
- Columbia Power 32.5%
- Columbia Basin Trust 16.5%

- Sub Contractors:**
- ASL - JV
 - Voith Hydro



Operating Facilities

IN PARTNERSHIP WITH:



Columbia Power
Suite 200, 445 - 13th Ave
Castlegar, BC V1N 1G1

T: 250 304-6060
F: 250 304-6083

columbiapower.org



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Brilliant Dam & Generating Station

OVERVIEW:

The Brilliant Dam and Generating Station, near Castlegar, BC, were purchased by Columbia Power and Columbia Basin Trust for \$130 million in 1996 from Cominco (now Teck). \$100 million has been invested in capital upgrade projects which include concrete rehabilitation, switch-yard replacement, spillway gate refurbishment, seismic stabilization, and a generation repowering life extension program. The Brilliant Dam and Generating Station is considered to be one of Canada's most reliable facilities.

FAST FACTS:

- Capacity: 140 MW
- Upgrade Investment: \$100 Million
- Original Construction Completed 1944
- Turbines: 4 Francis Turbines
- Owner Structure: Columbia Power 50%, Columbia Basin Trust 50%



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Arrow Lakes Generating Station

OVERVIEW:

The \$270 million Arrow Lakes Generating Station Project saw the addition of a powerhouse located immediately downstream of BC Hydro's water storage Hugh Keenleyside Dam on the Columbia River, near Castlegar, BC. The powerhouse takes advantage of the existing hydraulic head and generates power from water that would otherwise be spilled. Output from the generating station is connected to the Brilliant Terminal Station by a 14 km transmission line and later is delivered to BC Hydro's Selkirk Substation.

FAST FACTS:

- Capacity: 185 MW
- Project Cost: \$270 Million
- Construction Period: 1999 - 2002
- Turbines: 2 Kaplan Turbines
- Owner Structure: Columbia Power 50%, Columbia Basin Trust 50%



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Brilliant Expansion Generating Station

OVERVIEW:

The \$270 million Brilliant Expansion Project saw the addition of a second powerhouse located immediately downstream of the Brilliant Dam and Generating Station on the Kootenay River, near Castlegar, BC. The expansion shares the existing hydraulic head and generates power from water that would otherwise be spilled. Together, the Brilliant Expansion Generating Station and the Brilliant Generating Station produce enough power to supply 100,000 homes annually. Output from the expansion is linked to the Brilliant Terminal Station and later is delivered to BC Hydro's Selkirk Substation through a 34 km transmission line.

FAST FACTS:

- Capacity: 120 MW
- Project Cost: \$270 Million
- Construction Period: 2003 - 2007
- Turbine: 1 Kaplan Turbine
- Owner Structure: Columbia Power 50%, Columbia Basin Trust 50%