

Ruskin Dam and Powerhouse

A HOCHTIEF Company

Owner

BC Hydro

Location

Ruskin, British Columbia

Value

\$100,000,000

Market

Dams

Start - Completion Dates

09/2012 – 4/2016

- Construction of new piers, new spillway gates and two-lane bridge
- Upgrade of powerhouse superstructure and installation of new crane and elevator
- Existing facility will remain online during construction
- Comprehensive environmental management plan
- Upgraded facility will power 33,000 homes

Project Description

The Ruskin Dam and Powerhouse, located 60 kilometers east of Vancouver on the Stave River, has provided power to British Columbia since the 1930s. BC Hydro is commissioning a series of contracts to upgrade the dam, powerhouse, and associated structures — work that began in 2012 and will continue through 2017.

BC Hydro awarded Contract A to a joint venture team led by Flatiron. Work for this contract includes seismically upgrading the dam and the powerhouse by constructing new piers, installing new spillway gates, constructing a two-lane bridge and powerhouse superstructure upgrade, and installing a new powerhouse crane and elevator.

The project requires close coordination with the plant operators — the existing facility must remain online and active during construction. Additionally, the area is used for recreation and is surrounded by environmentally sensitive lands. Flatiron will follow a comprehensive environmental management plan to ensure environmental protection.

Upon completion of the upgrades, the facility will be able to withstand a 10,000-year earthquake. The upgraded facility will provide power to 33,000 homes.

