

Project Fact Sheet

Black Creek Hydroelectric Project

Completed:
In Progress

Contact:
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Description:
Whitewater Engineering Corporation is operating and maintaining the 3.7 MW facility east of Seattle Washington, FERC Project No. 6221. The project operates as a run-of-the-river facility, generates 10 average annual GWh of renewable energy each year, and is certified by the Low Impact Hydropower Institute.

The project includes a diversion weir and intake on Black Creek, a 30-inch diameter steel penstock delivering water to the powerhouse with hydraulic head of 1,342-ft. A two-jet horizontal shaft pelton turbine/generator unit and related mechanical and electrical are located in the powerhouse. A 10-mile long buried transmission line extends from the powerhouse to the electrical grid.

The project began commercial operation in 1994, and is owned by Valtec Power, LLC. Tollhouse Energy is one of the two member partners in Valtec.

