

# POWER CREEK *Hydroelectric Project*

### Completed:

December 2001

### Contact:

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### Description:

Whitewater Engineering provided full turn-key services to Cordova Electric Cooperative to license, design, and construct the 6.0 MW Power Creek hydroelectric project near Cordova Alaska. The project has the capacity to generate 30 average annual GWh of renewable energy.

The scope of work was split into two phases; Phase 1 was licensing and design of the project, and Phase 2 was the construction of the project. Project features include a concrete diversion and intake structure, an 8' high inflatable dam, 3,000' of 9 foot diameter tunnel, 160' structural bridge, 3,000' of 76" steel penstock in the tunnel, 3,000' of buried 84" steel penstock, a 40' x 100' metal powerhouse structure with two turbine generators and associated electrical control equipment, and 7.2 miles of underground and submarine transmission line. The project also includes approximately 2.5 miles of gravel access roads.

