



Igiugig Hydrokinetic Project

This project generates energy from a 40-foot long foil turning at the bottom of Kvichak River at Igiugig. It has a 10-year pilot license because of its potential impact to anadromous fish and Bristol Bay's sockeye runs.

Summary

Project Name: Igiugig Hydrokinetic Project

FERC Project Number: P-13511

Water Body: Kvichak

Region: Southwest

Type of Project: Hydrokinetic-River

Status: Pilot License Issued

Details

Primary User: Igiugig

Operating Utility: Igiugig Village Council

FERC License Expiration: April 30, 2029

Licensing Process: Pilot License

FERC License Expiration Date: May 2029

Nameplate Power Capacity (MW): 0.04

Annual Estimate Generation (GWH): 0.4

Surface Area of Impoundment (acres): 0



Pontoon mounted river turbine

Project Details: 64-foot long, 11-foot high, 43-foot wide pontoon mounted RivGen® Power System Turbine Generator. When it is operating, this unit sits on the bottom of the river.

NOAA Fisheries Trust Resources: Sockeye, Chinook, chum, coho, and pink salmon

NOAA Fisheries Area of Interest: The ORPC technology is untested as a fully operational unit.

NOAA Fisheries is part of the adaptive management team to evaluate monitoring data and needs.

University of Alaska Fairbanks staff will monitor the project during sockeye smolt outmigration.

Related Information

- [Hydropower and hydrokinetic projects in Alaska](#)

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