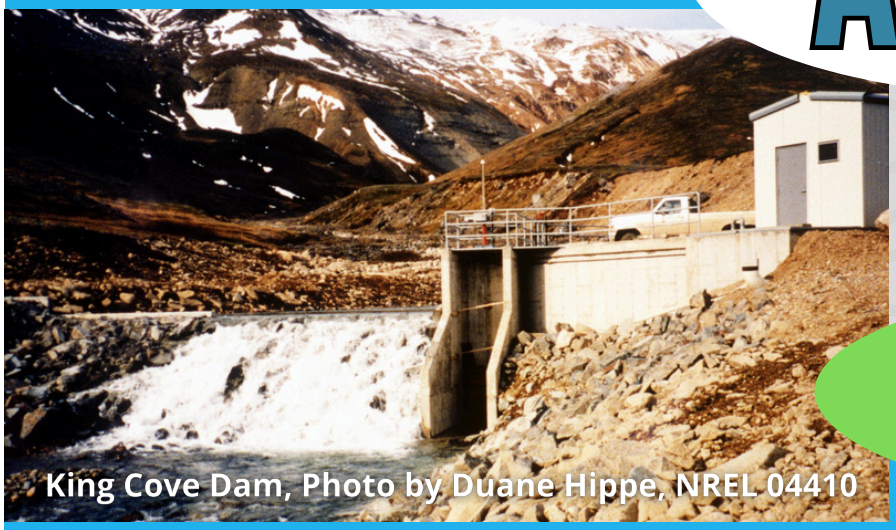
Hydropower in ALASKA



King Cove Dam, Photo by Duane Hippe, NREL 04410

54

hydroelectric facilities

statewide annual hydroelectric generation (megawatt-hours)

1,689,000

26%

of total energy statewide

90%

of total renewable energy statewide

156,519

equivalent homes powered

In 2024, US Dept. of Energy awarded funding to three new hydropower projects in Alaska with a total of

$44 MIL

to offset or replace diesel generation in **3** **rural tribal communities.**

NWHA
NORTHWEST HYDROELECTRIC ASSOCIATION

Other benefits of hydropower in Alaska

JOBS & ECONOMY

1,592

jobs in electric power generation

437

jobs in hydropower generation

4%

expected growth in electric power jobs

ENVIRONMENT & ECONOMY

compared to volatile other power markets, hydropower provides a lower-cost source with more stable power prices, saving on hydro bills

when usage peaks, hydropower kicks in to avoid the use of diesel generators, helping to keep carbon emissions lower

partnerships with federal, state and local agencies explore development of tidal and river in-stream generation potential

on-demand hydropower integrates other carbon-free resources, like wind and solar, providing instant clean energy even when the sun isn't shining or the wind isn't blowing

NWHA
NORTHWEST HYDROELECTRIC ASSOCIATION

nwhydro.org

503-502-7262

info@nwhydro.org

Sources:

- US Energy Information Administration - eia.gov
- US Energy & Employment Report - energy.gov/USEER
- National Hydropower Association - hydro.org
- National Renewable Energy Laboratories - nrel.gov
- Alaska Energy Authority - alaskarenewableenergy.gov