



Rural Tribal Community Fleet: Diesels-Off for Seven Alaska Communities

Project Name:

Remote Community Fleet

Developer:

BoxPower Inc.

Date Contracted:

March 2026

Contact:

info@boxpower.io

The Solution

BoxPower is delivering the battery energy storage system and controls across all seven communities to allow each site's existing solar generation to displace diesel. The control package is designed to integrate with existing co-operative power plant controls; digital-twin simulation and factory acceptance testing demonstrate all operational modes.

One standardized package across each site reduces technology and engineering risk, costs, and project timelines.

The Problem

Interior Alaska's remote communities aren't candidates for grid interconnection. There's no distribution line to extend and no economic case to build one: the distances are too long and the population too sparse for traditional poles-and-wires to ever pencil out. That leaves diesel generation as the default primary power source. Every gallon has to be flown or barged in, and every increase in world fuel prices lands directly on the community's power bill.

Seven Alaska Native communities are 100% reliant on diesel generation today. The customer is working to change that by reducing diesel fuel consumption and energy costs across the portfolio, and moving toward diesels-off operation.



Why This Model Travels

The math behind this project isn't unique to interior Alaska. Every diesel-dependent, off-grid site faces the same structural cost: fuel that has to be transported in, at a price that only goes up. Adding standardized battery storage and grid-forming controls to firm solar and displace diesel generation is one of the fastest-payback infrastructure investments available.

This project is a turnkey template: a standardized BESS/controller package, a repeatable design-to-commissioning process, and a delivery team built specifically for remote logistics. The same model is ready to scale to the next rural electric cooperative, tribal utility, or off-grid portfolio with the same problem.



BOXPOWER™



(530) 802-5477



info@boxpower.io



boxpower.io | easi.boxpower.io