

Adak Diesel Hybrid

Grantees	TDX Adak Generating, LLC (Independent Power Producer)
Technology Type	OTHER
Region	Aleutians
AEDG Project Code	10211

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
2	315	Adak Diesel Hybrid	2195450	403038	Feasibility	7/1/09	6/30/13	Closed

Grant 2195450: Adak Diesel Hybrid

Project Scope: This grant funds only the Resource Reconnaissance, Feasibility Reports and Conceptual Design of the proposed project.

The grantee proposes to integrate one or more renewable energy resources with a properly sized efficient diesel plant for the community of Adak. The existing power plant in Adak was designed and constructed in 1964 for a 6000 person military base. The facilities were subsequently turned over to the community of Adak. The diesel plant is grossly oversized for the current population, is in poor condition, is extremely inefficient and does not incorporate any of the abundant renewable energy resources available on the island. The ultimate goal is to integrate a properly sized diesel power plant with one or more of the wind, geothermal, and hydroelectric renewable energy resources.

Project Status: In November 2011, a reconnaissance report of renewable energy resources was completed for Adak. It concluded the most promising sites were hydroelectric resources, with some promise for wind energy. Because the condition of the existing diesel generation plant is very poor and the electrical transmission and distribution system is vastly oversized for the current population, understanding the existing loads is the first step in analyzing their needs. The remaining grant funds have been committed to gathering load data for Adak and preparing a follow-up report on hydro resources.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$76,369.00	\$76,369.00
Other State Funding	\$0.00	\$0.00
Total State	\$76,369.00	\$76,369.00
Required Local Match	\$5,756.00	\$5,756.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$82,125.00	\$82,125.00