

Final Design: Project is to assist with the completion of the final design and bid document development. Once complete, KEA intends to initiate the construction phase of the third turbine for the Terror Lake facility.

Project Status: KEA received the FERC License Amendment. This phase is complete and the grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$248,160.00	\$248,160.00
Other State Funding	\$0.00	\$0.00
Total State	\$248,160.00	\$248,160.00
Required Local Match	\$200,000.00	\$200,000.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$448,160.00	\$448,160.00

Grant 7040013: Terror Lake Unit 3 Hydroelectric Project 2

Project Scope: The Terror Lake Unit 3 Hydroelectric Project is to install a third hydro turbine capable of producing an additional 11.25 megawatts (MW) in the existing Terror Lake Plant. The original engineers of the Terror Lake facility had the foresight to design the facility for expansion to three turbines. The original design assumed one day additional capacity would be required. Terror Lake is KEA's primary generation source and is located approximately 25 miles southwest of the City of Kodiak and is within the Kodiak National Wildlife Refuge. The current capacity of Terror Lake has been surpassed by Kodiak's growing load demand. Without the additional hydropower capacity, the synergistic relationship of more renewable variable energy sources and water cannot be fully realized. Expanding the capacity of Terror Lake will significantly enhance the stability of KEA's isolated grid system and reduce KEA's dependence on diesel fuel by providing ample backup capacity to cover peak loads and outage backup for the other two hydro turbine generator units.

Construction: Project is for construction of the third hydropower turbine - generator unit in an empty bay within the existing powerhouse of the Terror Lake Hydroelectric Facility on Kodiak Island.

Project Status: Construction activities for Terror Lake Unit 3 addition have been completed and the unit has been commissioned.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$3,751,840.00	\$3,751,840.00
Other State Funding	\$3,750,000.00	\$3,750,000.00
Total State	\$7,501,840.00	\$7,501,840.00
Required Local Match	\$7,590,927.82	\$7,590,927.82
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$15,092,767.82	\$15,092,767.82