

Ruth Lake Hydro

Grantees	City of Petersburg (Local Government)
Technology Type	HYDRO
Region	Southeast
AEDG Project Code	10041

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	38	Ruth Lake Hydro Reconnaissance	2195415	407047	Feasibility	8/20/08	12/31/09	Closed

Grant 2195415: Ruth Lake Hydro Reconnaissance

Project Scope: The project is to complete Phase I of the Ruth Lake Hydroelectric Project, which is a conventional hydropower project located in an unincorporated area northeast of the City of Petersburg. Petersburg Municipal Power & Light (PMPL) prepared and filed an Application for Preliminary Permit with the FERC on February 3, 2009 and an Application for License is anticipated in 2011.

Development of hydroelectric power at the site will include construction of a reservoir, lake tap/power conduit, arch dam, unlined tunnel, power penstock, power plant, tailrace, access roads, and transmission line segments.

Power generated by the project will provide the interconnected Southern Southeast Alaska regional utilities with increased system reliability; replace current dependency on diesel generation; and enable regional utilities to meet the increasing demand for electricity.

The overall project phases include Phase I - Pre-feasibility and Application for Preliminary Permit (\$205,000), Phase II - Application for License and FERC Licensing Proceeding (\$2,520,000), Phase III - Final Design and Permitting (\$5,820,000), and Phase IV - Construction and Project Startup (\$101,430,000).

Project Status: The City conducted a feasibility study of Ruth Lake with this grant. The report is complete and the project is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$155,702.27	\$155,702.27
Other State Funding	\$0.00	\$0.00
Total State	\$155,702.27	\$155,702.27
Required Local Match	\$44,556.27	\$44,246.73
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$200,258.54	\$199,949.00