

Akutan Hydroelectric System Repair and Upgrade

Grantees	City of Akutan (Utility-Government)
Technology Type	HYDRO
Region	Aleutians
AEDG Project Code	10149

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
2	249	Town Creek Hydro System - Design for Repairs/Upgrade	2195473	407062	Final Design	7/1/09	6/30/12	Closed
3	469	Akutan Hydroelectric System Repair and Upgrade	7030003	407072	Construction	7/1/10	6/30/15	Active

Grant 2195473: Town Creek Hydro System - Design for Repairs/Upgrade

Project Scope: The preconstruction project is to conduct field investigation and inspection of the existing hydroelectric system located on Town Creek in Akutan. As-built data will be collected and as-built drawings will be generated. Updated cost estimates, plan and procedure for acquiring required permits and bring the project into compliance with AK Dam Safety Program, final dam designs, LIDAR survey, and a final report will be completed.

Project Status: The Condition Assessment Report, including the AK Dam Safety Program Periodic Safety Inspection Report, September 2011 site visit memo, and as-built drawings, survey have been completed. The grantee's engineer coordinated with Dam Safety in support of preparing the City's application to modify and repair the dam, including submission of completed construction drawings. The grant is closed.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$162,000.00	\$162,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$162,000.00	\$162,000.00
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$162,000.00	\$162,000.00

Grant 7030003: Akutan Hydroelectric System Repair and Upgrade

Project Scope: The project is to complete permitting, final design, and construction of repairs and upgrades to the 105 kW Town Creek hydroelectric project. Pre-construction activities include completion of: 1) final plans and specifications, 2) cost estimate, 3) construction schedule, 4) economic analysis and 5) AK Dam Safety permitting. Construction activities include: 1) mobilization and demobilization, 2) providing maintenance equipment and building, 3) construction and commissioning including repairs to main intake dam and diversions, existing access road, inspection and maintenance of turbine, upgrading controls and improving integration with diesel plant, and final system commissioning and testing, and 4) providing documentation and training for the upgraded hydro plant.

Project Status: The construction and diesel integration work have been completed and the project began operation in early 2015.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$1,391,000.00	\$1,391,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$1,391,000.00	\$1,391,000.00
Required Local Match	\$100,000.00	\$135,633.35
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$1,491,000.00	\$1,526,633.35