

Falls Creek Hydroelectric Construction

Grantees	Gustavus Electric Company (Independent Power Producer)
Technology Type	HYDRO
Region	Southeast
AEDG Project Code	10013

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	10	Falls Creek Hydroelectric Construction	2195387	407045	Construction	8/20/08	8/30/09	Closed

Grant 2195387: Falls Creek Hydroelectric Construction

Project Scope: Project is to finish construction of the Falls Creek Hydroelectric Project, which is an 800 kW run-of-river hydroelectric facility, located in Gustavus, Alaska that will provide electric power to the community of Gustavus. The project is being built by Gustavus Electric Company to displace existing diesel generation. Construction of the project is approximately 90% complete and will provide 90% of the community's electric needs.

All major equipment and materials are on hand except the power house control system, which will be supplied by Phoenix Power Control, Inc. (PPCI) of Monroe, Washington.

All required permits have been obtained and are listed in the final Environmental Impact Statement (EIS) for this project located at www.ferc.gov, project #P-11659.

Remaining tasks at the time of application: -Complete welding of 1200 feet of steel penstock -Prepare bedding and foundation for the penstock pipe -Form and pour 5 concrete thrust blocks for the penstock -Perform ultrasonic testing of pipeline welds -Paint and backfill the pipe -Complete finish work on the powerhouse -Finish turbine/generator installation -Complete purchase of generator control system from PPCI -Install the control system -Complete the substation -Complete installation of the fiberoptic communication cable -Finish miscellaneous items at the intake structure -Install slope protection at the powerhouse -Complete erosion and sediment control work throughout the project per the Environmental Compliance Monitor. -Survey the project boundary per the State of Alaska specifications. -Finish other work as required.

Project Status: The project is completed and began operation in July 2009.

The project is operating as intended.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$750,000.00	\$750,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$750,000.00	\$750,000.00
Required Local Match	\$0.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$750,000.00	\$750,000.00