

Gartina Falls Hydroelectric Project

Grantees	Inside Passage Electric Cooperative (Utility-Cooperative)
Technology Type	HYDRO
Region	Southeast
AEDG Project Code	10259

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
3	462	Hoonah-IPEC Hydro Project	7030019	407070	Feasibility	7/1/10	6/30/14	Closed
6	922	Gartina Falls Hydroelectric Project	7060922	407100	Construction	7/1/13	12/31/15	Active

Grant 7030019: Hoonah-IPEC Hydro Project

Project Scope: The project is to complete FERC licensing, project permitting and design for two potential run-of-river hydropower development projects at Water Supply and Gartina Creeks in Hoonah. Included in this scope will be the 4 mile transmission line interconnection of the projects with Hoonah. After the grant documents are in place, six project development tasks will be accomplished with the funds.

Project Status: The project received FERC License P-14066. A majority of the Terms & Conditions are filed except for the Final Project Design and Specifications, Article 302. Land agreements and ACOE Wetlands Permit received. Anticipate finalizing project design drawings and specifications during the next reporting period.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$850,000.00	\$850,000.00
Other State Funding	\$0.00	\$0.00
Total State	\$850,000.00	\$850,000.00
Required Local Match	\$450,000.00	\$450,000.00
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$1,300,000.00	\$1,300,000.00

Grant 7060922: Gartina Falls Hydroelectric Project

Project Scope: Inside Passage Electric Cooperative (IPEC) will use up to \$6,694,000 from a Round VI Renewable Energy Fund grant and \$15,000 of in-kind match funds for construction of the 455 kW run-of-river Gartina Falls Hydroelectric Project. The project is located five miles south of the City of Hoonah and will annually generate up to 1,810 MWh and provide for approximately 30% of its annual electricity needs.

IPEC received Round III renewable grant funding from the Authority to complete permitting and final design for this hydroelectric project. A Federal Energy Regulatory Commission license was issued for the project in January 2013. Permitting and final design are underway at this time and will need to be submitted to AEA before construction can move forward under this grant.

The Gartina Falls Hydroelectric Project will consist of a small diversion dam and intake just above Gartina Falls, a steel penstock, a powerhouse located at the base of Gartina Falls, access road and a 3.8 mile overhead transmission line. The dam will be a rockfill dam with concrete core wall. It will consist of a center section with a moveable radial gate and a fixed crest overflow section.

Project Status: The grant agreement was signed on August 8, 2013.

In 2014, due to permitting and construction delays, the grant was extended until 12/2015.

The project construction shut down in December 2014 in order to allow the grantee to obtain additional financing.

The Grantee obtained additional financing and completed the construction of the project in June 2015. The project started operation at the end of July 2015.

All grant funds have been expended.