

Agency: Commerce, Community and Economic Development
Grants to Unincorporated Communities (AS 37.05.317)

Grant Recipient: Igiugig

Project Title:

Project Type: Remodel, Reconstruction and Upgrades

Igiugig - Rural Power Systems Upgrade

State Funding Requested: \$110,000
 One-Time Need

House District: 36 / R

Brief Project Description:

Conduct a rural power system upgrade for the community of Igiugig, including the renovation of the existing electric utility diesel power plant.

Funding Plan:

Total Cost of Project: \$1,095,478						
	<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
State Funds					\$110,000	2011
Denali Commission	\$1,095,478	2010				
Total	\$1,095,478				\$110,000	

Detailed Project Description and Justification:

The existing generator facility is over-sized, inefficient, expensive to maintain and operate, and is unreliable. Our high capacitance of buried distribution system combined with lack of shunt reactors places large reactive power load on generators. In addition, there is no operational fire suppression system for a building located next to the bulk fuel farm. Our new construction and community improvements have already adversely impacted our existing facility and the rural power system upgrade is the highest community priority, designated by tribal government resolution.

Project Timeline:

January-February 2010: Secure funding plan and finalize project design.
 March-August: Order generators, switchgear, reactors, etc. (Expenditures begin to occur for equipment purchase and then payroll during construction). Airplane or barge mobilization and building demolition, renovation and reconstruction.
 September 2010: Project completion, power plant commissioning and operator training. Operation and Maintenance manuals developed and project close out.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Igiugig Electric Company

For use by Co-chair Staff Only:

\$110,000
Approved

5:43 PM 5/4/2010

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No