

Bethel Renewable Energy Project

Grantees	TDX Power, Inc. (Independent Power Producer)
Technology Type	WIND
Region	Lower Yukon-Kuskokwim
AEDG Project Code	10388

REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	604	Bethel Renewable Energy Project	7040015	410086	Feasibility	7/1/11	12/31/15	Active

Grant 7040015: Bethel Renewable Energy Project

Project Scope: At the time of the Renewable Energy Fund Round IV application TDX Power was negotiating to purchase Bethel Utility Corporation (BUC) and applied for feasibility and design funding for a wind farm in the City of Bethel. Only the feasibility portion of the application was recommended for funding. The grant was placed in proposal status until such time as TDX Power purchased BUC. TDX Power was unsuccessful in purchasing BUC. Alaska Village Electric Cooperative (AVEC) has since negotiated the purchase of BUC. As the utility in Bethel, AVEC will be pursuing a wind farm using a Denali Commission and Renewable Energy Fund Round I grant transferred to AVEC from the City of Bethel. The scope of work for this grant has been adjusted accordingly.

TDX Power, working as a contractor for AVEC, will perform a feasibility study to determine the advisability of installing wind turbines on the Bethel electrical grid. A meteorological study has been performed as part of the Alaska Energy Authority Wind Program's Anemometer Loan Program but further study may prove necessary. The work will entail geotechnical reconnaissance, a wind resource assessment, analysis of the current power plant and electrical grid, feasibility study and result in a conceptual design report.

Project Status: The grant is in proposal status while Alaska Village Electric Cooperative (AVEC) and TDX Power negotiate a Memorandum of Understanding (MOU).

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$213,690.00	\$40,987.75
Other State Funding	\$0.00	\$0.00
Total State	\$213,690.00	\$40,987.75
Required Local Match	\$37,710.00	\$9,617.83
Federal Grant Funding	\$0.00	\$0.00
Total Project Costs	\$251,400.00	\$50,605.58