

Shishmaref Wind Feasibility and Conceptual Design

FY2019 Request: \$152,000
Reference No: 61641

AP/AL: Allocation
Category: Development
Location: Shishmaref

Project Type: Energy
House District: Bering Straits/Yukon Delta
 (HD 39)

Impact House District: Bering Straits/Yukon Delta
 (HD 39) **Contact:** John Springsteen

Estimated Project Dates: 07/01/2018 - 06/30/2023 **Contact Phone:** (907)771-3000

Appropriation: Alaska Energy Authority - Round IX Renewable Energy Project Grants (AS 42.45.045)

Brief Summary and Statement of Need:

The Alaska Village Electric Cooperative (AVEC), with cooperation from the community, will assess the feasibility of wind resources suited to provide power to Shishmaref and to prepare a conceptual design of a wind facility.

Funding:	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>Total</u>
1210 Renew Ener	\$152,000						\$152,000
Total:	\$152,000	\$0	\$0	\$0	\$0	\$0	\$152,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

Project Description/Justification:

AVEC will install one wind meteorological tower and complete geotechnical work to determine the feasibility of installing wind turbines in Shishmaref. The work will involve obtaining a site for the tower, geotechnical fieldwork and investigation, permitting, transporting and installing a met tower at this location, studying the wind resource for one year, and completing a conceptual design. AEA recommends funding with the special provision that US Fish and Wildlife consultation be completed before proceeding with the project.