



QUICK FACTS

\$93.6M State investment in wind projects

28,000,000+ gallons diesel equivalent offset

\$76M and growing; economic value of offset diesel

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ENERGY TECHNOLOGIES: WIND

CURRENT STATUS

AEA currently manages 20 active wind projects funded by the Renewable Energy Fund (REF) grant program and has closed out an additional 61 projects funded through a combination of REF and the Denali Commission. Through the REF, the State has invested approximately \$93.6 million in wind projects since 2008, which is approximately 35 percent of the total REF funding.

AEA, through a contract with the Renewable Energy Alaska Project (REAP), facilitates the Alaska Wind Working Group (AKWWG) and the Wind Advisory Group (WAG). The WAG advises the AEA Wind Program on all matters regarding the wind industry, including but not limited to policies, priorities, and technical issues.

Optimizing existing wind systems has been identified by the AKWWG and WAG as a top priority. The AEA Wind Program has completed an initial review of existing systems to determine how well they are performing. This was a necessary first step before a deeper dive into the data can be conducted to determine if a project needs optimization and how best to do so.

Another priority identified by the AKWWG and WAG is the need for a collaborative effort to provide feasibility and technical assistance support to entities wishing to start a wind project or to those with projects already underway or constructed. Towards this end the Wind Advisory Group Technical Assistance Program was developed and financial support is being sought. The Wind Project Development program is under development as a subset of the AEA wind program that will work in conjunction with the TAP to complete feasibility assessments. Information on this program will be posted on the AEA website.

The AEA Wind Program is supporting a two day technical wind conference to be held June 27-28th at a location to be determined in Anchorage. The focus will be technical issues and case studies with the intent to bring wind experts from the lower 48 to include in the discussions.

PROGRAM OVERVIEW

Alaska has abundant wind resources available for energy development. Volatile-priced fossil fuel generation and improvements in wind power technology make this clean, renewable energy resource attractive to many communities. Alaska is a leader in designing, planning, constructing and operating integrated wind energy systems in small microgrid systems. AEA works to identify economic wind resources for potential development, support research and development efforts for rural and Arctic wind applications, establish best practices and educate consumers to the benefit of utilities and ratepayers to offset electrical and heating needs.