



QUICK FACTS

18 demo projects launched through rounds 1 & 2

2 projects from round 3 (2016) chosen for funding

4 projects proceeding to commercial products

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EMERGING ENERGY TECHNOLOGY FUND

CURRENT STATUS

Three competitive rounds of EETF funding (2012, 2013, 2016) have successfully launched projects demonstrating a broad range of emerging energy technologies, including battery and flywheel energy storage, river hydrokinetic devices, new heat pump systems, efficient diesel generation, and novel wind turbines. Projects funded under the program will record performance data throughout the demonstration period for independent review. The most recent solicitation for applications prioritized microgrid and microgrid enabling technologies. Seven applications were received, of which two were selected for funding.

PROGRAM OVERVIEW

The Emerging Energy Technology Fund (EETF) is administered by the Alaska Energy Authority and created by the Alaska State Legislature in 2010 to promote the expansion of energy sources commercially available to Alaskans.

Projects can either: test emerging energy technologies or methods of conserving energy; improve an existing technology; or deploy an existing technology that has not previously been demonstrated in the state. EETF grants must be for demonstration projects of technologies that have a reasonable expectation of becoming commercially viable within five years. Energy technology can include technologies related to renewable sources of energy, conservation of energy, enabling technologies, efficient and effective use of hydrocarbons and integrated systems.

PROGRAM HIGHLIGHTS

A combination of Alaska legislative appropriations and contributions from the Denali Commission led to a total of \$8.9 million available for the first EETF round. The 71 abstract proposals submitted in response varied across a wide range of technological fields and scientific disciplines. Roughly half of the applicants were invited to submit full proposals and of these 16 projects were selected for funding. The awards totaled nearly \$8.9 million in grant funds and brought a commitment of \$3.1 million in matching funds for projects ranging from improved diesel efficiency to energy storage to river hydrokinetics. Work on the projects has begun and the Alaska Center for Energy and Power (ACEP) has been contracted to assist with data collection and verification on behalf of AEA. Of the 16 projects, one has been cancelled prior to grant execution.

Awards for five projects under Round 2 of the EETF program were announced in March 2014 totaling \$2.4 million in grants and leveraging \$1.7 million in committed match. Round 2 projects include energy storage and heat pump demonstrations. Of the five Round 2 projects, one has been cancelled prior to grant execution. AEA successfully applied for DOE funding in the amount of \$250,000 to support future EETF projects. The RFA for Round 3 of the EETF was published in September 2016 and seven abstracts were submitted for review. Two projects were selected for funding though one of the applicants has chosen to refuse the award. AEA is working with the next highest ranked project to execute a grant.