

**Reappropriation for Alaska Energy Authority - Alternative Energy and Energy Efficiency Programs**      **FY2016 Request: \$0**  
**Reference No: AMD 49735**

**AP/AL:** Appropriation      **Project Type:** Energy  
**Category:** Development  
**Location:** Statewide      **House District:** Statewide (HD 1-40)  
**Impact House District:** Statewide (HD 1-40)      **Contact:** Sara Fisher-Goad  
**Estimated Project Dates:** 06/30/2015 - 06/30/2019      **Contact Phone:** (907)771-3000

**Brief Summary and Statement of Need:**

The unexpended and unobligated balance, not to exceed \$2,200,000 of the estimated balance of \$12,500,000, of the appropriation made in sec. 4, ch. 5, FSSLA 2011, page 137, lines 21-23 (AEA – Mount Spurr Geothermal Project Development - \$12,500,000) is reappropriated to the Alaska Energy Authority for Alternative Energy and Energy Efficiency Programs.

<b>Funding:</b>	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Total
Gen Fund							\$0
<b>Total:</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<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 checked="" 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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

Sec1 Ch16 SLA2013 P4 L11 SB18 \$2,000,000  
 Sec1 Ch17 SLA2012 P6 L3 SB160 \$4,800,000

**Project Description/Justification:**

The purpose of the Alternative Energy and Energy Efficiency (AEEE) program is to advance and implement energy efficiency and renewable/alternative energy fields in Alaska through stakeholder engagement and public education, resource assessments and pre-feasibility studies, research and development, and by addressing regulatory and permitting issues. The primary areas of focus are energy efficiency, hydroelectric, wind, biomass, heat recovery and heat pumps, with work also in solar, river hydrokinetic, tidal and wave energy, geothermal, and local fossil fuels. This will include funding primarily for the Village Energy Efficiency Program.

This request will include funding for the Village Energy Efficiency Program and will provide immediate and lasting energy efficiency improvements to approximately 8-10 communities' public buildings and public infrastructure. The communities will be selected according to the new program regulations, with an emphasis on high energy cost areas, and are expected to save (conservatively) \$3 for every dollar invested by these grants. The programs help achieve the State's goal of 15% energy efficiency improvement by 2020 and AEA's mission of reducing the cost of energy in Alaska. Energy efficiency, especially in high energy areas, is one of the most direct and impactful ways to achieve energy cost savings.

This funding is also used to match federal awards in support of continued development of alternative energy fields specific to Alaska, such as the rapid development of woody biomass as a heating fuel source and industry, the improved development and integration of wind energy, the wind meteorological tower loan program, initial hydroelectric resource studies for high energy cost areas of the state, improved methods of heat recovery from diesel generators, and other renewable and local alternative energy sources. The alternative energy work conducted with these funds strongly supports the success of the Renewable Energy Fund, assures quality development of these resources, and supports achieving the 50% renewable energy goal. Program funds are critical to the development of cost effective and technically effective Renewable Energy and Alternative Energy projects.

AEA was named the State's official State Energy Office both for the purposes of working with the US DOE and other state agencies in coordinating energy efforts and providing strategic direction. As the State Energy Office, AEA has been afforded the opportunity to serve on the National Association of State Energy Offices (NASEO) board of directors where we can represent Alaska's interests in national energy conversations and develop relationships with energy professionals around the country. This funding is used as a match for federal funds awarded to AEA as the State Energy Office.

AEA coordinates closely with Alaska Housing Finance Corporation, Division of Natural Resources, Division of Forestry, Department of Environmental Conservation, Division of Economic Development, University of Alaska, UAF's Alaska Center for Energy and Power, Institute of Social and Economic Research, U.S. Army Core of Engineers, Department of Energy, National Renewable Energy Lab, U.S. Department of Agriculture, the Denali Commission, and many others on the successful advancement of AEEE projects. Coordination is different for each agency, but often coordination takes place through energy technology specific working groups.