

Energy Efficiency and Conservation Activities

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Who We Are



Created in 1976 by the Alaska Legislature, the [Alaska Energy Authority \(AEA\)](#) is a public corporation of the State of Alaska governed by a board of directors with the mission to “reduce the cost of energy in Alaska.” AEA is the state's energy office and lead agency for statewide energy policy and program development.

What We Do



Energy Planning – In collaboration with local and regional partners, AEA provides critical economic and engineering analysis to plan the development of cost effective energy infrastructure.



Grants and Loans – AEA provides loans to local utilities, local governments, and independent power producers for the construction or upgrade of power generation and other energy facilities.



Railbelt Energy – AEA owns the Bradley Lake Hydroelectric Project and the Alaska Intertie. These assets benefit Railbelt consumers by reducing the cost of power.



Renewable Energy – AEA provides renewable energy and energy efficiency grants, analysis, and expertise to benefit Alaskans. These include hydro, biomass, wind, solar, and others.



Power Cost Equalization – The Power Cost Equalization Program reduces the cost of electricity in rural Alaska for residential customers and community facilities.



Rural Energy – AEA constructs bulk fuel tank farms, diesel powerhouses, and electrical distribution grids in rural villages. AEA supports the operation of these facilities through circuit rider and emergency response programs.



Energy Efficiency

Why Do We Do Efficiency?

1976

AS 44.83.80

AEA has ***power to improve energy efficiency***, energy conservation, and alternative energy in (generation) facilities.

2009-2011

AS 44.99.115

State will institute ***a coordinated approach to energy efficiency*** and conservation

AS 44.83.80

powers expanded, include promotion of energy conservation, efficiency, and alternative energy **through training and public education.**

2010-Present

3 AAC 108.300

Codification of AEEE group (2010)

3 AAC 108.400

Codification of Village Energy Efficiency Program (2011)

AS 44.99.115

Alaska Energy Efficiency Partnership (2011)

AS 29.55.100

Authorization of C-PACE (2017)



Efficiency Programs

How Do We Do Efficiency?



VEEP

- Implement cost saving efficiency improvements in public buildings and facilities



Alaska C-PACE

- Public/Private mechanism for financing EE/RE improvements



Education/Outreach

- Improve coordination efforts
- Provide STEM training

Village Energy Efficiency Program

What is the current program?

- Partnership between AEA, DOE, and Wells Fargo
- ~1.5 Million in total investment
- 47 Communities receive grants for outdoor lighting retrofits

Why might this be important to you?

- AEA has an existing program that is able to deploy funding from Federal, State, or Private sources quickly
- The program reduces waste and keeps money circulating in the local economy instead of leaving on the fuel barge

How can you participate?

- Current funding source is completely spoken for
- Keep an eye out for future funding opportunities

Property Assessed Clean Energy

What is the current program?

- Alaska C-PACE is public/private funding source for energy improvements
- Provides new source of capital for energy projects
- Available to local governments with taxing authority

Why might this be important to you?

- Funding source that helps communities and businesses achieve environmental goals
- Supports good paying jobs, while increasing cash flow to businesses looking to reduce operating costs
- Partnership between local government, building owners, contractors, and capital providers

How can you participate?

- This program is only offered on an “opt-in” basis for local governments with taxing authority
- Encourage your Assembly to opt-in!

Education and Outreach

What is the current program?


- A combination of activities that provide facilitation/coordination of end use efficiency programs statewide and support STEM education for K-12 students

Why might this be important to you?

- Coordination is the most effective means to bring efficiency improvements
- Coordination and collaboration increases capacity and helps to meet goals faster
- Education builds awareness. Awareness leads to action. Action is needed to solve problems

How can you participate?

- Attend a quarterly meeting
- Ask to receive a copy of our quarterly report
- Ask to borrow the Energy Bike, or receive efficiency materials for your events!



AEA provides **energy solutions** to meet the unique needs and opportunities of Alaska's rural and urban communities.



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