

# Alaska Energy Authority

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Middle Kuskokwim Climate  
Adaptation Planning  
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# Who We Are



The **Alaska Energy Authority's (AEA)** mission is 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.

# Programs and Projects

- ▶ Bulk Fuel Upgrades
- ▶ Rural Power System Upgrades
- ▶ Power Cost Equalization
- ▶ Renewable Energy Fund Grants
- ▶ Power Project Fund Loans
- ▶ Alternative Energy
- ▶ Energy Efficiency
- ▶ Energy Project Development



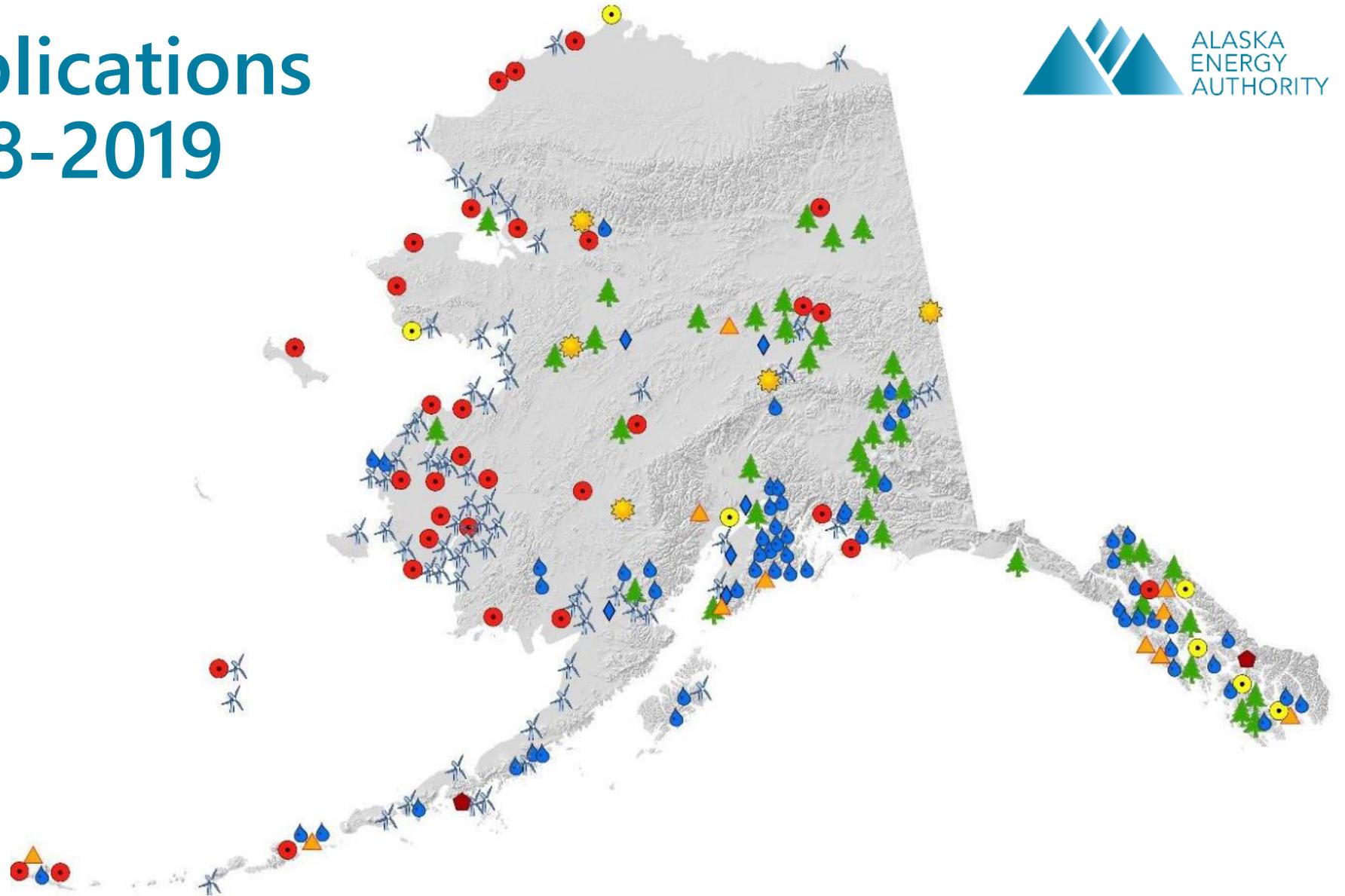
# Renewable Energy Fund

- ▶ \$268 million invested in the Renewable Energy Fund (REF) by the State
- ▶ RFA to open in March with \$7-8 million in funding (could change depending on legislative session)
- ▶ 90 operational projects, 30 in development
- ▶ Displacing ~30 million diesel equivalent gallons annually
- ▶ ~\$74 million in fuel savings in 2017



# 295 REF Applications Funded 2008-2019

-  Biomass or BioFuels
-  Heat Pump
-  Heat Recovery
-  Hydro
-  Ocean/River
-  Solar
-  Transmission
-  Wind
-  Other



# Current Opportunities at AEA



## Biomass

AEA's biomass program supports free prefeasibility studies. Since 2005, AEA and the Alaska Wood Energy Development Task Group have completed 170 studies.



## Energy Efficiency

AEA partnered with Wells Fargo to provide 47 communities with funding for outdoor lighting retrofits to help long-term fixed energy costs.



## Power Project Fund

AEA offers low interest loans to help promote economic, sustainable power projects throughout the state.



## VW Settlement

AEA is the lead entity for distributing the settlement funds. \$250,000 is set aside for Electric Vehicle infrastructure outside the Railbelt.

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



## ALASKA ENERGY AUTHORITY

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