

## Alaska Energy Efficiency Partnership Webpage

- Sign up for our emailing list!
  - [Alaska Energy Authority > What We Do > Renewable Energy and Energy Efficiency Programs > Energy Efficiency & Conservation > Alaska Energy Efficiency Partnership \(akenergyauthority.org\)](#)

## Energy Efficiency List Server

- Visit [list.state.ak.us](http://list.state.ak.us), scroll down until you find the listserve “aea. efficiency,” click on it, and follow the subscription instructions.

## Energy Efficiency and Conservation Block Grant (EECBG)

- RE-VEEP
- RFA issued December 2023
- Informational is planned for January 31, 2024, 2:30 – 3:30 PM
- The application deadline is February 27, 2024

## Training for Residential Energy Contractors (TREC)

- Application due January 31, 2024

## Energy Efficiency Revolving Loan Fund application submitted to DOE

- Submitted December 2023

## Vehicle Technologies Office Grant

- \$1.67M award from the National Energy Technology Lab through the VTO at DOE for the Alaska Rural EVSE (Electric Vehicle Supply Equipment) Deployment (ARED) project

# Alaska Rural EVSE Deployment (ARED) Project

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Total local sub-grant funding: \$2M

- \$1.67M federal funds
- \$417,496 AEA and project partner funds
- AEA will collaborate with communities to select sites and equipment based on community goals.
- Approximately nine rural hub communities will be selected to participate in the program.
- AEA and project partners will conduct community outreach to select site hosts. Infrastructure will be installed in the spring of 2025 through the summer of 2026.
- Funding amounts will vary from community to community.
- To learn more please reach out via email at [electricvehicles@akenergyauthority.org](mailto:electricvehicles@akenergyauthority.org)

# Renewable Energy - Village Energy Efficiency Program (RE -VEEP)



AEA will sub-grant funds to eligible local governments to finance building-scale renewable energy, energy efficiency, and conservation projects in public buildings and facilities statewide with a focus on rural Alaska.

Total local sub-grant funding: \$2.6M

- \$1.4M EECBG funds
- \$1.2M SEP BIL funds
- No match required.
- 144 city and/or borough governments are eligible for funding.

# **Education, Building Codes, Energy Efficiency and Homeowner Assistance:**



# Energy Efficiency NOW



## Save the Date

February 21 - 22, 2024

Anchorage Marriott Downtown  
820 West 7th Avenue  
Anchorage, Alaska 99501

## Who should come?

Architects, engineers, real estate professionals, appraisers, building owners, building managers and building maintenance will want to take advantage of this opportunity.

## Sessions will cover

- Home Systems,
- Heat Pumps,
- Indoor Air Quality,
- Duct Testing,
- Energy Star, Building/Energy Codes,
- and much more.

# State-Based Home Energy Efficiency Contractor Training Grants

- Funding Available to Alaska: \$1,296,870.00
- Application Deadline: Jan 31, 2024
- Created a Workforce Advisory group representing workers, non-profits, educators, utilities, and government agencies.
- Engaging with stakeholders across the state in crafting the program.
- Finalizing Project Narrative & Budget



# Framework for Responsive Code Development

- Budget: \$1,500,000
- Schedule: 3 Years
- Held kick-off meeting with DOE personnel on January 4<sup>th</sup>.
- Working with the following Partners:
  - Alaska Municipal League (AML)
  - Alaska Association of Housing Authorities (AAHA)
  - Alaska State Home Builders Association (ASHBA)



# Federal Energy Rebates



- AHFC preparing \$75 million application for U.S. Department of Energy in 2024.
- Home Efficiency Rebate Program
- Home Electrification and Appliance Rebate Program

# Home Efficiency Rebate Program

Energy Savings	Rebate Amounts			
	Single Family	Single Family LMI	Multifamily	Multifamily LMI
20-35% modeled savings	Lesser of \$2,000 or 50% of project costs	Lesser of \$4,000 or 80% of project costs	\$2,000 per dwelling unit, maximum \$200,000 per building	Lesser of \$4,000 per dwelling unit or 80% of project costs
35% or more modeled savings	Lesser of \$4,000 or 50% of project costs	Lesser of \$8,000 or 80% of project costs	\$4,000 per dwelling unit, maximum \$400,000 per building	Lesser of \$8,000 per dwelling unit or 80% of project costs

- Reduction in home energy use incentivized with rebates for whole-home retrofits.
- Homeowners must begin with an energy assessment to identify options for a improvements and model savings.
- Lower Median Income (LMI) = 80% of Area Median Income as determined by HUD.

# Home Electrification and Appliance Rebates

	Up to 80% AMI	81-150% AMI
Electric Load Service Center upgrades/Breaker Box	\$4,000	\$2,000
Electric Stove, Cooktop, Range and/or Oven	\$840	\$420
Electric Wiring	\$2,500	\$1,750
Heat Pump Clothes Dryers	\$840	\$420
Heat Pump Heating/Cooling	\$8,000	\$4,000
Heat Pump Water Heaters	\$1,750	\$875
Weatherization (Insulation, Air Sealing, Ventilation)	\$1,600	\$800

- \$14,000 maximum benefit per household.
- Households above 150% of AMI as determined by HUD are not eligible.
- Intended to be provided at the “Point-of-Sale”, amount to be deducted upfront.

# Solar For All

- Residential rooftop and multi-family focus
- Federal focus on disadvantaged communities and low-income Americans

\$25 million	Single-Family Residential rooftop solar to AHFC
\$12.5 million	Single-Family Residential rooftop solar from TCC
\$10 million	Multi-family rooftop solar
\$10 million	Training, Outreach & Administration
\$5 million	Financing opportunity



# Information Insights Update

*Jamie Hansen, Principal Consultant & CEO*

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## **NORTHH - Renewing America's NonProfits**

- Energy Efficiency Upgrades for NonProfits in AK. Lead org: Alaska Heat Smart, organizational support: Information Insights & NREL Alaska

## **Solarize BRITE - Buildings UP**

- Planning and technology demonstration for beneficial electrification and energy efficiency retrofits for nonprofits and low and moderate income households in the Fairbanks area. Team: The Alaska Center, Information Insights, Fairbanks Climate Action Coalition, ACEP, UAF Bristol Bay Campus

## **USDA REAP Technical Assistance**

- No cost technical assistance (energy audits and renewable energy assessments) plus grant assistance for USDA REAP grant for small businesses, utility cooperatives, and agricultural producers. Team: Information Insights and RurAL CAP, funded by USDA Rural Development.

# Alaska Heat Smart (AHS)

## Program Title:

NONprofit Retrofits for Health and Housing (NORTHH)

## Program Geographic Impact Area:

State of Alaska

## Key Program Partners:

NREL-AK Campus, Information Insights Inc.

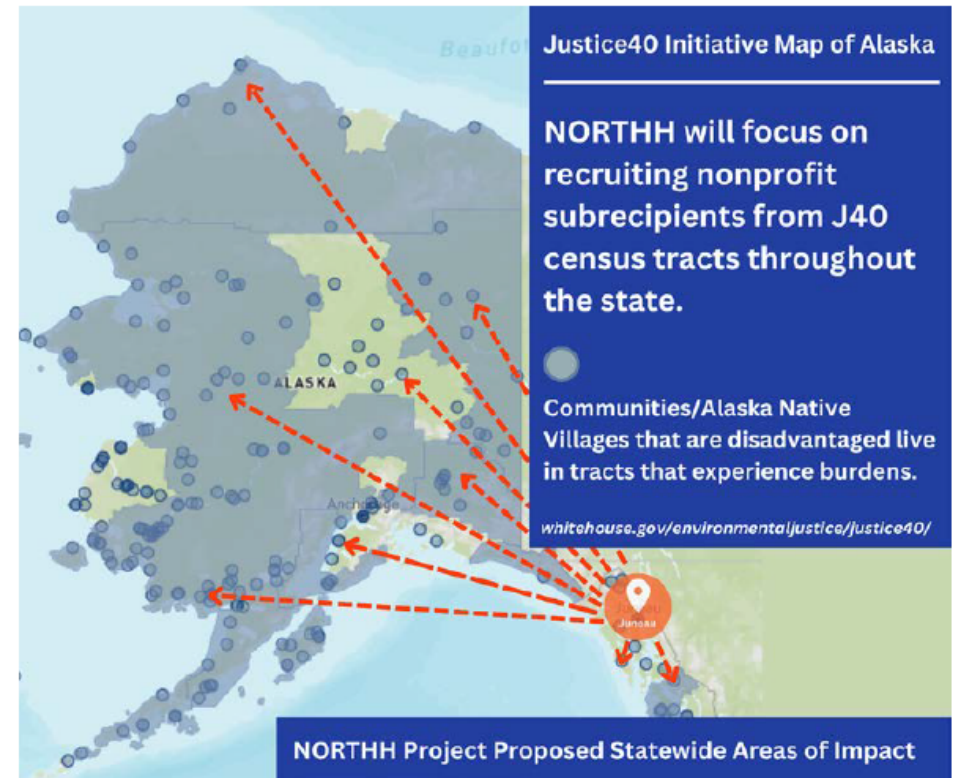
## Program Summary:

A statewide program to retrofit, improve the energy efficiency of, and reduce annual operating costs, of up to twenty-five nonprofit Alaska buildings that serve lower to middle income and disadvantaged populations. Funds will be leveraged through partner outreach/match contributions, cost-sharing, savings/assets, and a fundraising campaign.

**Cost Share:** 20% of total project funds, \$952,500

## Benefits Metrics

- 30% reduced energy use of nonprofit building cohort
- 30% reduced carbon emissions of nonprofit building cohort
- \$150,000 retrofit per building



# The Alaska Center

Solarize BRITE: Building Resilience in Alaska



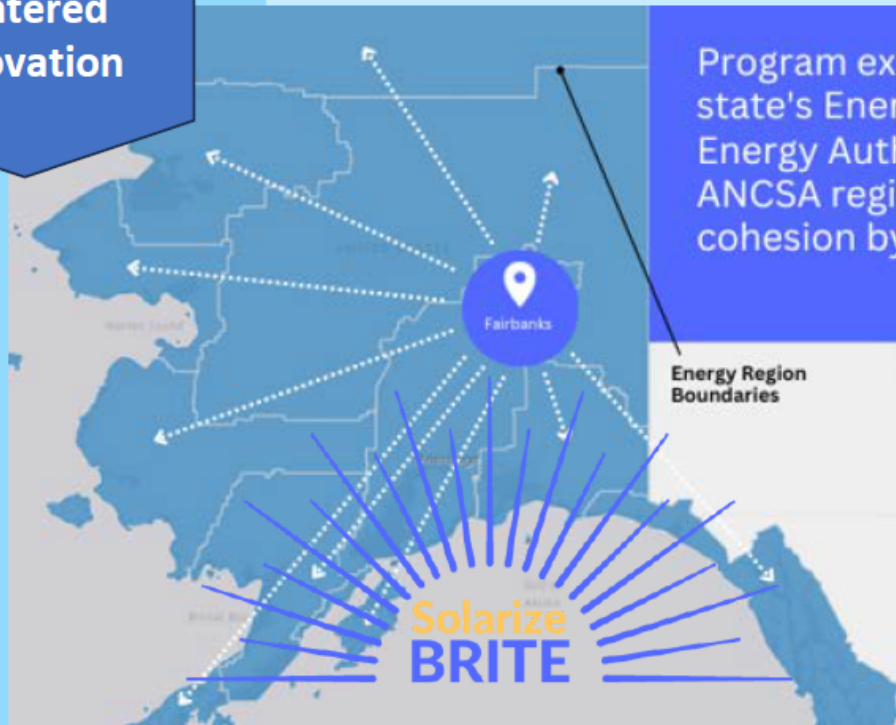
AMERICAN  
**MADE**  
U.S. DEPARTMENT OF ENERGY

**Phase 1 Concept Description:** Expansion of an existing Solarize BRITE initiative to facilitate nonprofits' access to affordable energy upgrades to prepare for extreme weather, reduce dependence on fossil fuels, invest energy savings back into services, and improve building health, safety, comfort, and resiliency. Plans include extending this model to low and moderate income households and nonprofits throughout Alaska.

**Team Organizations:** The Alaska Center, Alaska Center for Energy and Power, Fairbanks Climate Action Coalition, Information Insights, North Star Community Foundation, University of Alaska-Bristol Bay Campus

**Key Innovations:** Develop a network of catalysts who provide technical and strategic support to campaign members.

**Equity-Centered Innovation**



## Fairbanks, Alaska + Alaska Statewide

Program expansion will focus on each of the state's Energy Regions, as defined by Alaska Energy Authority. These regions overlap with ANCSA regions, indicating cultural leadership cohesion by each region.



### Submission at-a-Glance

**Community Type**

Rural

**Building Types**

Commercial (nonprofit)  
Residential

**Technologies**

LED lighting  
Building insulation  
Air tightening/ventilation

Windows  
Heat pumps  
Solar

**Full-Scale Initiative Goal**

20 households and 5 nonprofits/year in Fairbanks within 3 years  
50 households and 10 nonprofits/year statewide within 5 years

**Community Benefits**

80-100% of the upgrades to be conducted on equity-eligible buildings

# GREEN ENERGY GRANTS



The Rural Energy for America program provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. Agricultural producers may also apply for new energy efficient equipment and new system loans for agricultural production and processing.

Clean - Efficient - Sustainable

- ✓ Biomass
- ✓ Wind Energy
- ✓ Geothermal Energy
- ✓ Solar Power
- ✓ Energy Efficiency
- ✓ Insulation
- ✓ Lighting
- ✓ Appliances

Learn  
More



Request  
Assistance



# Alaska C-PACER Updates

- Closed another loan with Aviator Hotel, \$1M
- Mat-Su C-PACER launches their program 🗺️
  - <https://cpacer.matsugov.us/>
- Kenai Peninsula Borough had public hearing on Resolution of Intent to Create a C-PACER program
- Fairbanks drafting a Resolution of Intent
- Currently reviewing first Resilience application



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**Ask:** mention the program to commercial property owners or contractors looking at EE, RE or resilience improvements.

# REAP Efficiency Education

- 2023 K-12 Outreach:
  - 5,175 total students reached in 2023
  - 3,353 students participated in efficiency lessons
  - 2,238 students reached for Power Pledge Challenge
- Home Energy Basics course at Kusilvak Career Academy in Q4
- New workforce newsletter from ANEEE:  
<https://mailchi.mp/realaska/aneee-newsletter-sign-up>
- Additional ETIPP outreach in McGrath
- Upcoming ETIPP cohort updates



Students ride the energy bike at CCHRC



Students tour Chugach plant 2A

# ANEEE

- A second meeting of the Alaska Energy Training Group is next month on Feb. 27. The group brings together technical assistance, training and troubleshooting stakeholders to promote more collaboration and share best practices. We'll be sending the agenda in the next week or so. You can learn more and join the group here: <https://aneeeworks.org/alaska-energy-training-group/>
- There are plans for a clean energy careers module for high school students at Kusilvak Career Academy in the spring. There will be a guest presenter and field trip focused on energy efficiency and building science careers. If you're interested, please get in touch at [jstarrs@realaska.org](mailto:jstarrs@realaska.org).



Students ride the energy bike at CCHRC



Students tour Chugach plant 2A

# Solid Waste Services (SWS) Update

*Kelli Toth, Acting Director*

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## **EV Garbage Truck**

- The new EV garbage truck is on its way from Quebec and will arrive here hopefully the week of February 12.

## **eCamion Battery System**

- The system is rife with issues that we are working through, including the direct fast charging system. We are currently working on some solutions but yet to come to any conclusions; we will share when we know more. For now, we will use our level 2 ChargePoint chargers.

# United States Department of Agriculture (USDA) Update

*Dan Smith, State Energy Coordinator - Alaska*

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## REAP

- Grants for rural small businesses, agricultural producers, and 501(c)12 cooperatives. These grants can cover up to 50% of the total project cost for Renewable Energy Systems (RES) and Energy Efficiency Improvements (EEI). The caps for these grants are \$1M for RES and \$500k for EEI
- Link: [Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Guaranteed Loans & Grants | Rural Development \(usda.gov\)](#)

## RESP

- 0% loan from USDA to eligible applicants to start a relending program for energy efficiency improvements. The re-lending entity may use up to 4% of the loan for admin costs and may charge up to 5% interest
- Link: [Rural Energy Savings Program | Rural Development \(usda.gov\)](#)

## VAPG

- The Value Added Producer Grant is for new and/or smaller farmers/agricultural producers looking to create a mid-tier value-added product from agricultural productions. The general goal of these grants is to create a value added and marketable agricultural products: wood pellets from sawmill waste, bonemeal or fish fillets from fish processing, food products from mariculture activities, etc. These grants are generally divided into Planning activities (which may include conducting feasibility studies and developing business plans) and Working capital expenses (which may include costs associated with processing, marketing, advertising, inventory, and some salary expenses).
- **VAPG is accepting applications until April 11th through Grants.gov or April 16th via email or standard mail to the state office.**
- Definitions of agricultural products can be found here: [eCFR :: 7 CFR 4284.902 -- Definitions](#). (no horses or pets)
- Not currently funded – awaiting next round of Farm Bill, but additional funding is anticipated.
- Link: [Value-Added Producer Grants | Rural Development \(usda.gov\)](#)
- **Primary Contact:** [Jennifer.Pennington@usda.gov](mailto:Jennifer.Pennington@usda.gov)