

Residential Housing & Building Efficiency



Alaska Housing Finance Corporation's mission is to provide Alaskans access to safe, quality, affordable housing.

Energy efficiency simply means using less energy to perform the same task – that is, eliminating energy waste. (Environmental and Energy Study Institute)

Weatherization refers to the installation of energy-efficient measures to improve the building envelope, its heating and cooling systems, its electrical system, and electricity and/or fuel consumption. (Connecticut)



National One Cent Day!

“One penny may seem to you a very insignificant thing, but it is the small seed from which fortunes spring.”

Energy Efficiency and Weatherization

- Started the first time someone was cold and wanted to be warmer.
- Modern weatherization as a program started in the mid 1970's



Saving Money and Saving Energy

It is not for us.... but for them!



- Energy Savings -
- Cost Savings -
- Health & Safety

Children were a gauge as biological indicators of housing health.

- 70% of their time spent indoors
- Breathe the air
- Constantly on the go
- Touch all household surfaces
- Everything goes into their mouths
- Highly affected by conditions

ALASKA STATE INVESTMENT

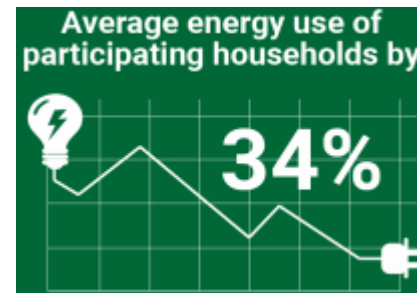
\$242.6 MILLION into the Home Energy Rebate Program has had the following effects:

26,587



Total units retrofitted

SAW A REDUCTION OF

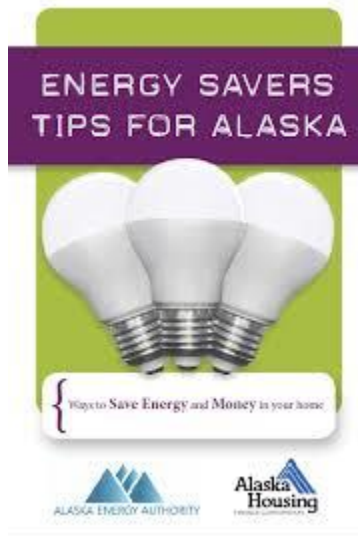
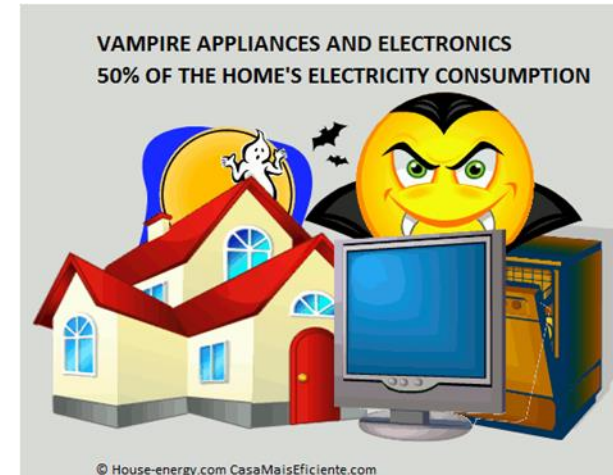


Energy Efficient Measures

- Increased air-tightness
- Installed programmable thermostat
- Replaced heating system
- Replaced water heater
- Insulated ceiling
- Replaced doors
- Replaced windows
- Insulation added
- Installed ventilation



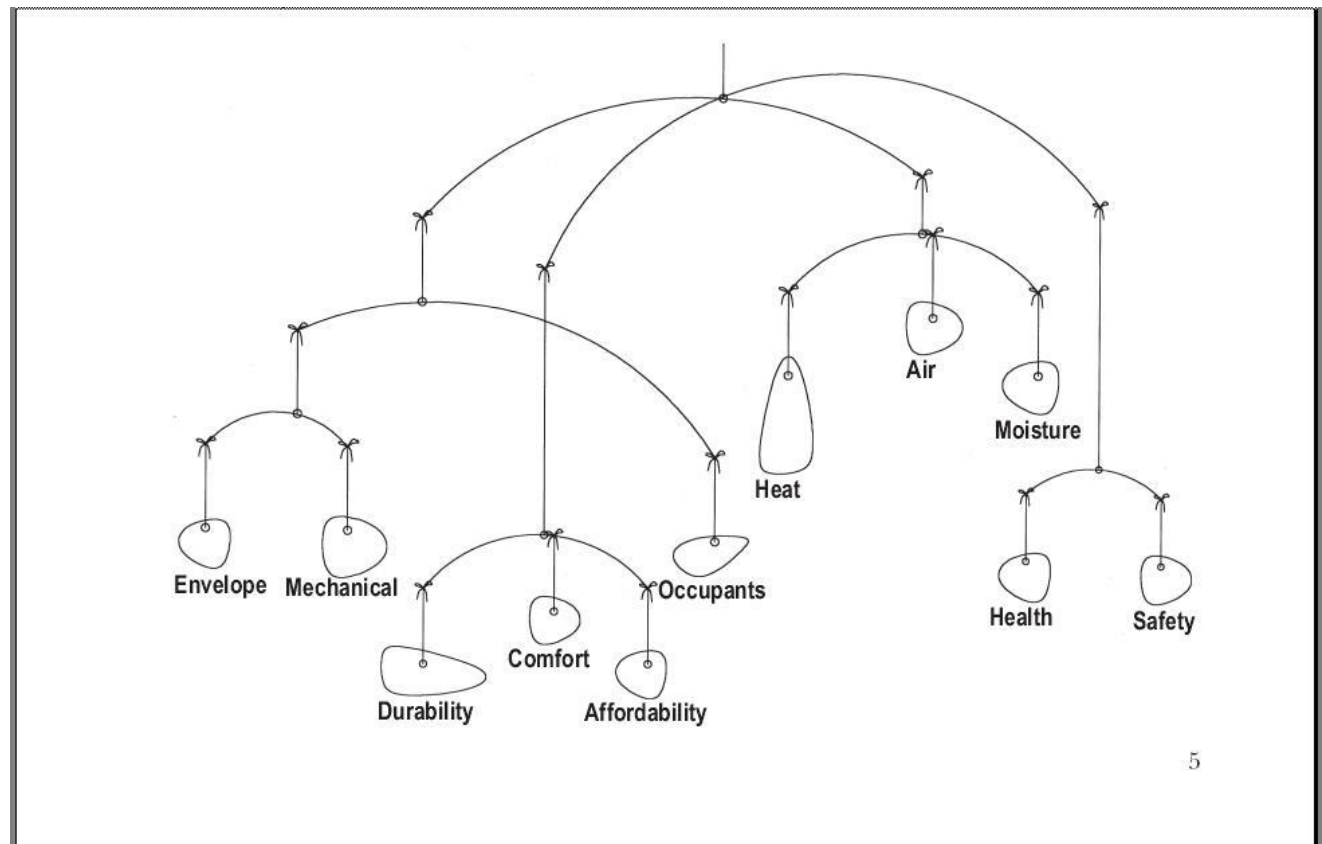
- Health & Safety is the #1 priority
 - Homeowner Actions – Ok to do!
 - Reprogram Thermostats
 - Unplug unused equipment (ghost loads)
 - Upgrade appliances
 - LED lighting
 - Replace broken windows & doors



- Professional Actions – **Hire an expert!**
 - Diagnostic Testing
 - Air sealing / insulation
 - Replacing fans / ventilation
 - Heating systems – tune-up or replacement

Basic Building Science

House as a system





AHFC Loan Programs

- Wx Programs
- Loans & Financing
 - Renovation Loans
 - First-Time Homebuyer
 - Rural Loans (purchase or renovate)
 - Veterans Mortgage Program
 - Energy Efficiency Interest Rate Reduction

Alaska Housing Finance Corporation

Who to talk to...

- Your local lender and ask for an AHFC loan.
- Find a lender through AHFC Website – [Featured Lenders](#)
- Contact AHFC – 888-854-3884

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