

**AHFC Home Energy Rebate Program****FY2013 Request: \$20,000,000****Reference No: 51947****AP/AL:** Allocation**Project Type:** Energy**Category:** Development**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** Les Campbell**Estimated Project Dates:** 07/01/2012 - 06/30/2017**Contact Phone:** (907)330-8356**Appropriation:** AHFC Energy Programs**Brief Summary and Statement of Need:**

AHFC Home Energy Rebate program utilizes State General Fund appropriation to rebate homeowners for making energy efficient improvements to their homes. The program began in April of 2008, with an appropriation of \$100 million from the Alaska State Legislature. By the fall of 2008 another \$60 million was appropriated to the program. In order to maintain the current pace established in FY2008, 2009 and 2011 and eliminate the waiting list, new funding is required.

Participants must own their homes and all improvements must be paid for up front by the homeowner.

<b>Funding:</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>Total</b>
Gen Fund	\$20,000,000						\$20,000,000
<b>Total:</b>	<b>\$20,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20,000,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required	<input 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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

FY2012 - \$37,500,000 GF; FY2009 - \$60,000,000 GF; FY2008 - \$100,000,000 GF.

**Project Description/Justification:****The purpose of the program is to:**

Assist homeowners to decrease fuel consumption by providing rebates for making recommended, cost-effective energy improvements to their homes.

**The projected outcomes are:**

- Reduce household operating costs of the resident;
- Improve resident health and safety;
- Improve durability and longevity of housing stock;
- Replace unsafe heating systems;
- Install smoke detectors in homes;
- Install carbon monoxide detectors in homes.

**Home Energy Rebate Program** – State General Fund appropriation to rebate homeowners for making energy efficient improvements to their homes. The program began in April of 2008, with an

appropriation of \$100 million from the Alaska State Legislature. By the fall of 2008 another \$60 million was appropriated to the program. In order to maintain the current pace established in FY2008, 2009 and 2011 and eliminate the waiting list, new funding is required. Participants must own their homes and all improvements must be paid for up front by the homeowner.

**Program description:**

The Home Energy Rebate Program utilizes State General funds to provide rebates to homeowners for making energy efficient upgrades to reduce energy costs. The Home Energy Rebate program provides rebates to owner-occupied homes statewide.

Within the program there are two separate and distinct components; rebates for making energy efficiency improvements to existing homes using energy ratings dated on or after April 5, 2008 or for newly-constructed or purchased homes that achieve a Five Star Plus energy rating on or after April 5, 2008.

For existing homes, the rebate amounts are determined by the point and step increases achieved between the as-is energy rating and post-improvement energy rating. A final rating of a One-Star-plus (1★+) or greater must be achieved for existing homes to qualify for a rebate. This is a one-time rebate for any one family or home for improvements and actual expenses (verified with receipts and proof of payment). For the existing home component, the maximum eligible rebate amounts are:

One Step	Up to	\$4,000
Two Steps	Up to	\$5,500
Three Steps	Up to	\$7,000
Four Steps	Up to	\$8,500
Five Steps	Up to	\$10,000

For the newly-constructed or purchased Five-Star-Plus (5★+) house, the rebate is \$7,500. Owner-builders or purchasers must meet AHFC financing requirements to participate. The financing requirements consist of recorded copies of the forms PUR-101 and PUR-102 or Certification of Occupancy from an approved local government, i.e., borough, city, etc., a contractor's license with residential endorsement, and the homeowner must also provide a Five-Star-Plus energy rating and proof of ownership; statutory warranty deed, or deed transfer.

Since program inception in May 2008 until June 30, 2011:

- Over \$112 million in funds have been expended,
- Over 14,916 rebates for existing homes were paid out, and the average rebate was \$6,351,
- Over 27,000 initial energy ratings were completed,
- Over 1,117 newly constructed homes received a Five Star Plus rebate of \$7,500 each, and
- Average energy reduction is approximately 30%.

During FY2011, the entire \$160 million allocated for the program was encumbered. There was a 65% completion rate for those participating.

**Benefits of Energy Rebate Program:**

- Reduces overall fuel use / saves client's dollars;
- Improves existing housing stock, reducing the need for more public housing;

- Materials are purchased from local Alaskan vendors;
- Local contractors and crews receive training and wages spent locally;
- Local businesses saw an increase in activity during an economic lull;
- Savings from fuel costs reinvested in local economy;
- Client education on their houses and what it takes to maintain and operate them;
- Provides large dataset that includes both pre- and post-improvement measurements of housing unit energy use.

**Waiting List**

The active waiting list numbers several thousand in urban and road connected areas. In the rural areas of the state, the wait list numbers in the hundreds.

**Jobs and Skills**

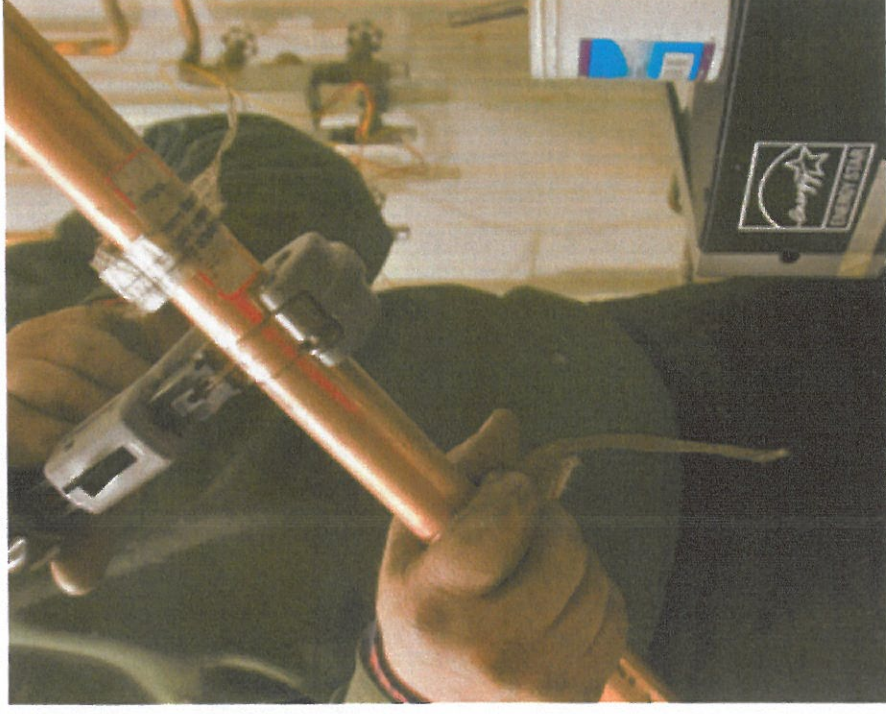
As a result of the Home Energy Rebate Program, hundreds of consumer education classes and training classes for contractors and laborers have provided much needed client education. An advanced level of retrofit training has been provided statewide. Businesses reported an increase in activity and have been vocal in their support of the program.

**Individual and Community Benefits**

The Home Energy Rebate Program has worked well in Alaska, at a community and individual level. For the individual, the reduction in heating costs has allowed for the diversion of funds from heating to other essential needs. It has been a catalyst for job skill improvements, job creation through vendors and suppliers and, for the most part, dollars spent stay in the state and in the communities.

# Home Energy Rebate Program

- Open to all Alaskans not participating in the Weatherization program
- No income requirements
- Owner-occupied, year-round residences
- Homeowners pay upfront and are then rebated
- “As-Is & Post” energy ratings





# Home Energy Rebate Program

## State Funding Levels

SFY 2008	\$100 million
SFY 2009	\$60 million
SFY 2011	\$37.5 million
<b>Total</b>	<b>\$197.5 million</b>



# Home Energy Rebate Program

## Results

April 2008 – Jan 30, 2012

➤ Rebates	16,098	\$102.6m
➤ As-Is	28,365	\$9.2m
➤ Post	16,158	\$2.8m
➤ 5 Star Plus	1,317	\$9.9m

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Total Expended	\$130.5m
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# Home Energy Rebate Program

First Name \*

Middle Name

Last Name \*

## Physical Address

Address 1 \*

Address 2

City \*

Zip Code \*

☐ Same as Physical Address

## Mailing Address

Address 1 \*

Address 2

City \*

Zip Code \*

Primary Phone \* 907

Secondary Phone

Email Address

## Waitlist

All communities

1/27/12

1,746

## Dispatch

500/month

# Home Energy Rebate Program

## Program Snapshot

Average Improvement Costs of 15,906 Homeowners

$$\begin{array}{r} \$11,009 \text{ spent} \\ -\$6,375 \text{ rebate} \\ -\$325 \text{ As-Is} \\ -\$175 \text{ Post} \\ \hline = \$4,134 \text{ homeowner} \\ \text{investment} \end{array}$$



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# Home Energy Rebate Program

## *Savings*

Average home energy savings

33 percent

Average home cost savings

\$1,297/year

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# Home Energy Rebate Program

*Home Energy Rebate Program Statewide Annual Outcome Estimates as of 9/30/11*

Estimates	Home Energy Rebate Program
Total Energy Savings	1,649,785 MMBTUs
Total CO2 Emissions Reduced	101,906 net tons
Average home energy savings	33%
Average home cost savings	\$1,297/year
Average Home Age	33.6 years
As is rating	2 Star Plus
Post rating	4 Star
Average increase in rating	3 Steps

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## 5 Star Plus New Home Rebate

*AHFC provides a \$7,500 rebate for new 5 Star Plus homes.*

- Not more than one year old
  - For original owner
  - Must meet all AHFC property financing requirements
  - 5 Star Plus energy rating
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Rebates

Total Expended

1,317 rebates  
\$9.9 million