

**AHFC Weatherization Program**

**FY2013 Request: \$31,500,000**

**Reference No: 50683**

**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 Weatherization and Home Energy Rebate Programs

**Brief Summary and Statement of Need:**

The Weatherization Program utilizes Federal U. S. Department of Energy (DOE) and State General Funds (GF) funds to assist low and moderate income families attain decent, safe, and affordable housing through cost effective weatherization and rehabilitation of existing homes. Weatherization provides energy efficiency upgrades to homes using the latest building science tools to target heat loss areas and correct them. Installed measures must be cost effective. The program addresses health and safety through tune-ups for heating systems, electrical and chimney repairs, and woodstove improvements.

<b>Funding:</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>Total</b>
Fed Rcpts	\$1,500,000						\$1,500,000
Gen Fund	\$30,000,000						\$30,000,000
<b>Total:</b>	<b>\$31,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$31,500,000</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 - \$1,500,000 Federal and \$62,500,000 GF; FY2011 - \$3,000,000 Federal and \$1,000,000 AHFC Div; FY2010 - \$2,600,000 Federal; FY2009 - \$2,000,000 Federal ; FY2008 Supplemental \$200,000,000 GF; FY2008 - \$1,800,000 Federal and \$4,700,000 AHFC Div; FY2007 - \$1,800,000 Federal and \$4,200,000 AHFC Div; FY2006 - \$1,800,000 Federal and \$3,000,000 AHFC Div; FY2005 - \$1,837,500 Federal and \$2,231,500 Corporate; FY2004 - \$1,800,000 Federal and \$3,000,000 AHFC Div.

**Project Description/Justification:**

**The purpose of the program is to:**

Provide cost-effective energy improvements to homes of low-income families.

**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.

**Weatherization Program** – Federal U. S. Department of Energy (DOE) and Alaska Housing Capital Corp (AHCC) funds to assist low- and moderate- income families attain decent, safe, and affordable housing through cost effective weatherization and rehabilitation of existing homes. Weatherization provides energy efficiency upgrades to homes using the latest building science tools to target heat loss areas and correct them. Installed measures must be cost effective. The program addresses health and safety through tune-ups for heating systems, electrical and chimney repairs, and woodstove improvements.

**Program Description:**

The Weatherization program utilizes DOE, Corporate funds, and State General Funds to assist families to attain decent, safe, efficient, and affordable housing through the weatherization and rehabilitation of existing homes. New funding levels are needed to continue this program at the current pace.

Weatherization provides services to the following:

- Approximately 70% of households contained either a senior citizen or a disabled person;
- 85% of the homes are owner occupied;
- 35% cent had children under the age of six;
- Many clients attended client education training that focused on long-term maintenance efforts as well as the effects of the weatherization work if successfully maintained;
- Weatherization addresses life-threatening, health, and safety issues in many homes.

Much of the older housing stock cannot maintain a minimally comfortable indoor temperature. Since April 2008 we have completed work on approximately 4,600 units expending over \$110,000,000 dollars. Program clients include elderly, disabled, or families with small children. Most of the families receiving services are 'working poor' and do not receive Public Assistance. With the extreme rise (up to 30%) in cost of materials and shipping to Alaska, the dollar invested does not stretch nearly as far. Increased funding has allowed priority measures to be implemented in homes as well as expanding services to a greater number of eligible participants.

Weatherization improves occupant health and safety through the replacement of unsafe heating systems and installation of carbon monoxide detectors. Carbon monoxide problems are resolved, fire safety threats alleviated, egress windows installed, handrails and steps repaired, and moisture and mold problems abated. Client health improves as toxins and asthma triggers are removed and ventilation issues are addressed. Technology has developed concurrently with the program and provides the foundation for improved approaches to new construction for arctic conditions.

**Benefits of weatherization:**

- Reduces overall fuel use / saves client's dollars;
- Contractors and crews are hired locally and receive training (wages spent locally);
- Materials are purchased from local Alaskan vendors;
- Helps keep people in their existing homes, reducing the need for public housing;
- Savings from fuel costs reinvested in local economy;

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- Client education on long-term operations and maintenance (O&M) required to maintain houses;
- Weatherization techniques improve building stock by addressing critical durability issues;
- Health and safety of residents are dramatically improved due to mitigation of problems in the home, i.e., rot, mildew; and helps in eliminating ice dams; and
- Egress windows, smoke alarms, and CO detectors are installed to protect families from fire and carbon monoxide poisoning.

AHFC's ability to properly diagnose and correct problems in existing housing stock through the Weatherization program helps provide a safe, clean environment to clients improving the overall quality of life and a better life for their families.