

**AHFC Energy Programs Weatherization**

**FY2020 Request: \$2,000,000**  
**Reference No: 50683**

**AP/AL:** Appropriation

**Project Type:** Energy

**Category:** Health/Human Services

**Location:** Statewide

**House District:** Statewide (HD 1-40)

**Impact House District:** Statewide (HD 1-40)

**Contact:** James Wiedle

**Estimated Project Dates:** 07/01/2019 - 06/30/2024

**Contact Phone:** (907)330-8359

**Brief Summary and Statement of Need:**

Federal U. S. Department of Energy (DOE) to assist low and moderate income families in attaining 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>FY2020</b>	<b>FY2021</b>	<b>FY2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>Total</b>
1001 CBR Fund							\$0
1002 Fed Rcpts	\$2,000,000						\$2,000,000
1139 AHFC Div							\$0
<b>Total:</b>	<b>\$2,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</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>

**Prior Funding History / Additional Information:**

- Sec1 Ch1 SLA2018 P9 L29 SB142 \$6,000,000
- Sec26 Ch2 SLA2016 P42 L31 SB138 \$4,950,000
- Sec1 Ch22 SLA2016 P6 L6 SB138 \$1,500,000
- Sec1 Ch38 SLA2015 P6 L29 SB26 \$7,100,000
- Sec1 Ch18 SLA2014 P62 L17 SB119 \$29,000,000
- Sec1 Ch16 SLA2013 P178 L6 SB18 \$31,500,000
- Sec1 Ch17 SLA2012 P131 L30 SB160 \$31,500,000
- Sec4 Ch4 SLA2011 P138 L8 SB46 \$64,000,000
- Sec1 Ch43 SLA2010 P35 L13 SB230 \$4,000,000
- Sec22 Ch11 SLA2008 P101 L24 SB256 \$200,000,000

**Project Description/Justification:**

Federal U. S. Department of Energy (DOE) to assist low- and moderate- income families in attaining 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 US DOE Funds, AHFC Corporate Receipts, 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.

Of the households assisted through the Weatherization Program:

- Approximately sixty-six percent of the households contained either a senior citizen or a disabled person
- Thirty-seven percent had children under the age of six;
- Most attended client education training that focused on long-term maintenance efforts as well as the effects of the weatherization work if successfully maintained; and all clients received individual education on site.
- The Weatherization activities addressed 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 and by the end of FY2018, AHFC has completed work on approximately 20,162 units expending more than \$361,000,000. Program clients include elderly, Alaskans with disabilities, and/or families with small children.

**Benefits of weatherization:**

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.

- 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;
- 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.

**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; and
- Install carbon monoxide detectors in homes.