

Agency: Commerce, Community and Economic Development**Grants to Named Recipients (AS 37.05.316)****Grant Recipient: Cold Climate Housing Research Center****Federal Tax ID: 920169929****Project Title:****Project Type: Planning and Research**

Cold Climate Housing Research Center - Cold Climate Housing Research Center Project Funding

State Funding Requested: \$750,000**House District: Fairbanks Areawide (1-5)**

One-Time Need

Brief Project Description:

Fund CCHRC programs, projects, and homeowner consultation.

Funding Plan:

Total Project Cost:	\$2,500,000
Funding Already Secured:	(\$1,750,000)
FY2015 State Funding Request:	<u>(\$750,000)</u>
Project Deficit:	\$0

Funding Details:

FY14 - \$750,000

FY13 - \$547,500

FY12 - \$180,000

Detailed Project Description and Justification:

CCHRC is the only housing research center in Alaska and the premier cold climate housing research center in the world. CCHRC's research is used by the legislature, administration, building industry, and homeowners to help Alaskan's learn how to build and live in energy efficient, safe, healthy, and durable homes.

CCHRC's effectiveness is realized through deep connections with the Alaska State Home Builders Association and local Associations, Alaska Housing Authorities, the Alaska Housing Finance Corporation, US Housing and Urban Development, the Division of Homeland Security and Emergency Management, and numerous additional federal, state, and local entities. Additionally, CCHRC has well over 100 members ranging from interested home owners to major corporations like DuPont and Siemens.

CCHRC is currently engaged in over 50 projects statewide, including housing policy, affordable housing design for communities facing natural disasters, applied building science research with the building industry, and consulting with over 2,000 home owners and builders per year on best practices.

Three Major Recent Contributions of CCHRC:

1. Building Energy Efficiency Standard - Saving Homeowners Millions per Year in Energy Costs

Alaska has an energy efficiency standard for homes constructed with AHFC financing. CCHRC orchestrates the

development of this standard. CCHRC estimate that 1,000 homes (approximate construction in single year) built using the new BEES vs. the former BEES will equal a net savings to homeowners of \$10,000,000 over the life of the homes.

2. AkWarm, ARIS, and Building Science Research - Making Energy Efficiency Retrofits Smarter

CCHRC performs building science research to determine which retrofits are safe and effective, collaborates to update Alaska's energy rating software (used to identify energy retrofit options in homes and light commercial), and collaborates on the development and use of the Alaska Retrofit Information System (AHFC's database used to store information about energy ratings).

Energy efficiency retrofits since 2008 are estimated to be saving Alaskan's more than \$25,000,000 per year.

3. Builder and Homeowner Services

Each year CCHRC works directly with builders and homeowners to answer difficult questions about how to reduce construction costs, energy use, and create a healthy indoor environment. CCHRC engages in over 2,000 of these consultations per year. These questions would likely go unanswered if not for CCHRC.

CCHRC uses these incoming questions to create frequently asked questions, articles, and videos to help efficiently answer questions that many Alaskan's have about their homes.

Highlights of Builder and Homeowner Services:

- Over 2,000 direct contacts with builders and homeowners per year
- "Ask a Builder" newspaper column every week in the Fairbanks Daily News Miner
- "Northern Home" videos airing in Interior and South East
- 200,000 video views (many are educational)

Project Timeline:

July 1st, 2014 through June 30th, 2015.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

CCHRC

Grant Recipient Contact Information:

Name: Jack Hebert
 Title: President/CEO
 Address: 1000 Fairbanks Street
 Fairbanks, Alaska 99709
 Phone Number: (907)388-3583
 Email: jack@cchrc.org

Has this project been through a public review process at the local level and is it a community priority? Yes No