

Agency: Commerce, Community and Economic Development**Grants to Named Recipients (AS 37.05.316)****Grant Recipient: Cold Climate Housing Research Center****Federal Tax ID: 92-0169929****Project Title:****Project Type: Equipment and Materials**

Cold Climate Housing Research Center - Sustainable Northern Communities Center Interior Infrastructure

State Funding Requested: \$180,000**House District: Fairbanks Areawide (7-11)**

One-Time Need

Brief Project Description:

Supply the Sustainable Northern Communities Center (SNCC) addition to the existing Research and Testing Facility with the necessary equipment and furnishings to complete the SNCC. CCHRC has already received \$2,000,000 for the design and construction of the SNCC, and is seeking the capital to complete the indoor equipment and furnishings to make the building addition complete.

Funding Plan:

Total Project Cost:	\$2,180,000
Funding Already Secured:	(\$2,000,000)
FY2012 State Funding Request:	<u>(\$180,000)</u>
Project Deficit:	\$0

*Funding Details:**FY 2011 - \$1,900,00 grant from the Economic Development Administration**FY 2011 - \$100,000 grant from the Wallace Research Foundation***Detailed Project Description and Justification:****Project Overview:**

The Sustainable Northern Communities addition to CCHRC's existing Research and Testing Facility in Fairbanks will provide a place for collaborations between agency stakeholders, CCHRC's talented staff and the diverse peoples of Alaska to create and apply adaptive responses that effectively address the daunting challenges Northern communities face from climate, economic and cultural change.

To enable this collaboration the SNCC will feature a mix of flexible office space, classroom space, design space, and public space that combine to allow various partnerships to form and function to address the challenges of sustainability faced by Alaskan communities. This space will exist within the 7,000 square foot two-story design that reflects advanced building practices and novel approaches to layout that encourage and enable collaborations.

The building construction is funded through a \$1.9 million grant from the Economic Development Administration and a \$100,000 donation from the Wallace Research Foundation. The combined funds will provide for the site work and building construction, however do not cover expenses associated with equipping and furnishing the SNCC. CCHRC is making this

request to cover the nominal cost of purchasing the equipment and furnishings necessary to complete the interior space. Identified needs include:

- Basic office furnishings for flexible office space,
- Flexible wall system that enables dynamic interior space,
- Basic equipment and furnishings for classroom space including IT for conferencing and distance education.
- Basic equipment and furnishings for public space including those needed for conferences and various sized meetings.
- Basic IT needs for classroom and public spaces.

Overview of Construction:

The Sustainable Northern Communities Center (SNCC) will be part of the Cold Climate Housing Research Center's existing Building and Infrastructure Research and Testing Facility (RTF). The addition will be approximately 7,000 square feet and demonstrate advanced building science and mechanical system design. CCHRC will be approaching the project as an in house design/ build. Prevailing wage and union participation will apply throughout the construction phase.

The building will be 2-stories with roughly 3,500 square feet on each level. The main floor of the addition will incorporate an entry and reception foyer, a staircase to the second level, a large classroom with the ability to be divided in to smaller classrooms, a kitchen/ break room and appropriate restroom facilities. The second floor will include flexible office space, a design studio and shared workspace.

Water and wastewater will be harvested and treated on site. Mechanical ventilation to insure very good interior air quality will be designed and monitored. This system will incorporate zoned, multiple, high efficiency heat recovery ventilators and recirculated air to meet projected occupant loads and respond to poor exterior air quality. The heating system will incorporate advanced ground source heat pump technology and seasonal solar/thermal re-charge. All exterior glazing, foundation, wall and roof assemblies will meet or exceed the thermal standards of the existing structure.

CCHRC intends to build the SNCC to the same LEED Platinum level awarded to the RTF.

Project Timeline:

1st and 2nd Quarter 2011 - Design
 2nd and 3rd Quarter 2011 – Site work
 3rd and 4th Quarter 2011- Construction
 1st and 2nd Quarter 2012 - Construction
 3rd Quarter 2012 – Building commissioning
 3rd Quarter 2012 – Equip and furnish SNCC
 4th Quarter 2012 – Grand opening

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

Cold Climate Housing Research Center

Grant Recipient Contact Information:

Name:	Jack Hebert
Title:	President/CEO
Address:	1000 Fairbanks Street Fairbanks, Alaska 99709
Phone Number:	(907)457-3454
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

<i>For use by Co-chair Staff Only:</i>
10:28 AM 5/27/2011



COLD CLIMATE HOUSING RESEARCH CENTER

CCHRC

1000 Fairbanks St.
P.O. Box 82489
Fairbanks, Alaska 99708
(907) 457-3454
(907) 457-3456 Fax
www.cchrc.org

Cold Climate Housing Research Center to Build Addition For Expanding Work on Rural Housing

FAIRBANKS, AK – The US Department of Commerce Economic Development Administration (www.eda.gov) has announced a \$1.9 million grant to fund a building addition at the Cold Climate Housing Research Center (CCHRC) in Fairbanks. The Wallace Foundation contributed an additional \$100,000 toward making the addition possible.

“The addition to Cold Climate Housing Research Center’s (CCHRC) Research and Testing Facility (RTF) will provide a place for collaboration between agency stakeholders, our staff and the diverse peoples of Alaska to create and apply adaptive responses that effectively address the daunting challenges Northern communities face from climate, economic and cultural change,” said Jack Hébert, President and CEO of Cold Climate Housing Research Center.

Named the Sustainable Northern Communities Center, the 7,500-square-foot structure will be an addition to CCHRC’s existing 15,000-square-foot Research and Testing Facility. The building addition will be comprised of office, classroom, design, collaborative, and research space to enable people to work together to address Alaska’s most immediate housing and related infrastructure challenges.

Alan Wilson, President and Owner of Alaska Renovators in Juneau, and CCHRC Board Chair, said, “we are grateful to the EDA and the Wallace Foundation for investing in the Sustainable Northern Communities Center and the vision of forming partnerships to improve sustainability and enhance economic opportunities.”

The Cold Climate Housing Research Center is a non-profit institution founded in 1999 by Alaska homebuilders and continuing to receive major support from Alaska Housing Finance Corporation. CCHRC’s mission is “Promoting and advancing the development of healthy, durable, and sustainable shelter for Alaskans and other circumpolar people.” The CCHRC Research and Testing Facility opened in 2007 and houses two laboratories and administrative office space. More than 1,200 sensors throughout the building allow staff to monitor and analyze the structure’s performance. In August 2010 the RTF was named one of Siemens Corporation’s top four “Smartest Buildings in America.”

###

**CONTACT: Suzanne Bishop, CCHRC Outreach Director
(907) 457-3454 or suzanne@cchrc.org**

