Promoting and advancing the development of healthy, durable, and sustainable shelter for Alaskans and other Circumpolar people.

Robbin Garber-Slaght, Research Engineer
Cold Climate Housing Research Center

www.cchrc.org
CCHRC in Alaska
Housing Needs in Alaska

78,959 households in Alaska are housing cost-burdened

16,107 units need to be built to alleviate overcrowding in the state

14,600 homes are rated 1-star, burdening households with high energy costs

12,635 homes in Alaska lack complete kitchens and/or plumbing

318 new senior living facility beds need to be added annually to keep up with senior population growth

$23.25 household hourly wage required to afford the average 2-bedroom rental in Alaska

15,972 estimated shortage of affordable and available housing units for extremely low-income households

55% of homes in Alaska are at higher risk for moisture and indoor air quality issues

11% increase in new construction rate needed to meet projected population growth
Arctic Shelter
Unsustainable Shelter

“We used to build our homes underground where it was warm and lay our dead to rest up in the air. We were told that was uncivilized, and now we have to build our houses on stilts up in the wind and bury our dead in the ground. We’ve been cold ever since. “

-Grant Kasharuk, Newtok
Sustainable Shelter
Anaktuvuk Pass prototype
Sustainable Shelter
Anaktuvuk Pass prototype
Unsustainable Shelter

“Alaska Native children have some of the highest rates of respiratory illness ever documented.“

-Alaska Native Tribal Health Consortium
Sustainable Shelter
Buckland prototype
Sustainable Shelter
Buckland Prototype
Unsustainable Shelter

“We’ve structured our grid so that for the next two generations, our children will be forced to locate their homes based entirely on where they can s**t. I think as humans, we are capable of more than that.”

-Canadian resident, Pond Inlet
Sustainable Shelter
Water and Sewer
Sustainable Shelter

Water and Sewer
“We need to build for the young people. Our people moved from site to site until the state told us to live here for the school for our children. So now, we need to build up this site, here where we are, for our children.”

-Nathan Hadley Sr., Buckland, Alaska
Sustainable Shelter
Newtok/Mertarvik
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Questions?

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