



present the
Renewable Heat & Power Series

at the Cold Climate Housing Research Center, 1000 Fairbanks Street, Fairbanks

BIOMASS

March 22, 5:30-7:30pm

Instructor: Robert Deering, Renewable Energy Coordinator, U.S. Forest Service

Description: an introduction to biomass heating systems for Alaska residences, including appliances and distribution systems, new technologies, and how to calculate cost and payback for your home.

SOLAR THERMAL

March 29, 5:30-7:30pm

Instructor: Bruno Grunau, Research Engineer, CCHRC

Description: an overview of practical designs and applications for Alaska homes, from small domestic hot water systems to large space heating systems with annual storage. Learn about equipment, control systems, and how to calculate cost and payback.

HEAT PUMPS

April 4, 5:30-7:30pm

Instructor: Andy Roe, Alaska Geothermal & Robbin Garber-Slaght, CCHRC

Description: learn the basics of how heat pumps work and perform in Alaska, including how to choose a successful site and basic installation techniques. Review examples of existing heat pumps in Alaska and lessons learned.

WIND

April 5, 5:30-7:30pm

Instructor: Greg Egan, Remote Power

Description: covers practical designs and applications for a variety of residences, including basic cost and payback calculations, equipment, and control systems. Learn how to incorporate wind power into projects and the difference between battery bank and grid-tied systems.

SOLAR PHOTOVOLTAIC

April 7, 5:30-7:30pm

Instructor: Elizabeth Johnston, Design Alaska

Description: learn how solar PV works and how to determine if it is an appropriate and cost-effective energy source for your project. This class also includes tips for designing, sizing, and installing a residential PV system.

COST PER CLASS	In Person	Webinar
CCHRC members	\$10	\$15
Non-members	\$15	\$20
CEU Certificate (additional)	\$10	\$10

To register, visit cchrc.org/classes. For more info contact Vanessa at 907-450-1762 or vanessa@cchrc.org