

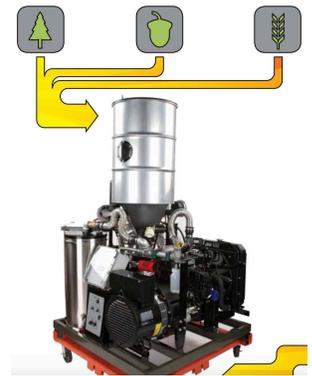
# Free practical energy and radon workshops

## Thursday, Nov. 16, 2017

Location: Chugachmiut Building  
Anchorage Extension Outreach Center  
1840 Bragaw St., Room 116 (lower level)

### Gasifying Wood for Heat, Electricity and Transportation, 5:30-6:30 p.m.

Wood has various flammable gasses within its fibers, which can be separated through pyrolysis or gasification processes. These gasses can be used to run propane generators for electricity, burned for heat or light, and even injected into engines for transportation. Join us to learn how historically wood gas has been used and how you can utilize it today.



**Rocket Stoves for Emergency Preparedness, 6:30-7:30 p.m.** Heat for cooking, staying warm and disinfecting water is crucial during disaster emergencies. Rocket stoves are easy to make, efficient and fueled by wood pieces available outside. They are great for cooking and heating in emergency situations. Wood gasses and oxygen mix in insulated chambers that concentrate the fire on the tip of the wood, and the result is a more efficient burn using less wood and producing fewer emissions than traditional stoves. So when you need to leave the house in a hurry with a one-week emergency kit of foods, first aid and tools, don't forget the stove!



**Biochar and its Helpful Uses, 7:30-8:30 p.m.** Biochar is a product from anaerobic combustion of organic biomass. When correctly created, biomass improves and amends agricultural soils, provides soil remediation by picking up trace heavy metals from mining operations and acts as a filtration medium to improve water quality. Learn how to make it and use it.



**Radon in Your Home, 8-8:30 p.m.** Radon, which is the second leading cause of lung cancer, is a serious radioactive danger in some Alaska homes and a concern of the EPA. Understanding where radon comes from, how to detect it and how to take care of it are important aspects of maintaining healthy air quality in your home.



Contact Art Nash, Extension energy specialist, for more information at 907-474-6366