



Kansas Forest Service Wood Energy Initiative*

Heavy dependence on fossil fuels obtained from politically volatile areas, an emerging consensus that carbon emissions must be substantially reduced, and dramatically increasing fossil fuel costs are driving the need for alternative energy sources, both in Kansas and nationally.

Further, rising energy costs are negatively impacting Kansas's rural communities, many of which are already facing serious economic declines. Woody biomass is a carbon neutral, clean burning, renewable energy resource that can help solve these problems.



Kansas woody biomass can be used for energy production that can stimulate and revitalize rural economic conditions as well as help Kansas become more energy independent and environmental friendly.

Objective

"Grow a, niche based, wood energy and bio-based products industry in Kansas"

Outcomes

- **Creating jobs and new sources of income in rural areas**
- **Reducing energy dependence on fossil fuel**
- **Ecological Restoration of range and pastures**
- **Forest Management**
 - Creating markets for low value, conventionally non-commercial, trees and tree species (Eastern red cedar)
 - Creating more productive, healthier forests and revitalized rural communities

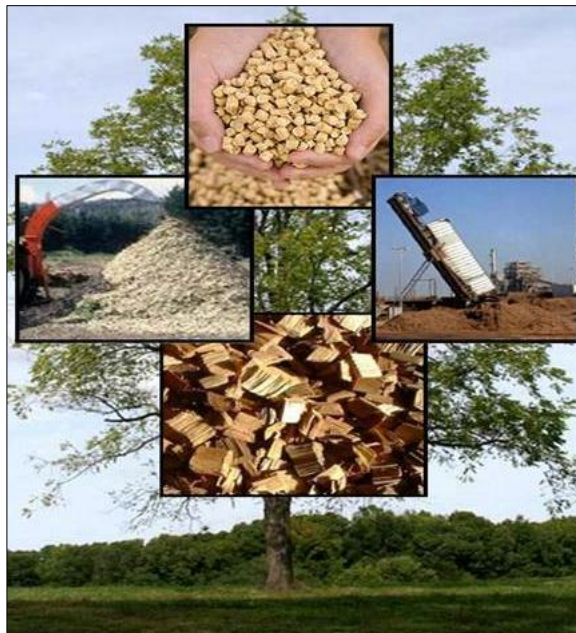
Approach and Effort

- Are you planning on upgrading or replacing your existing system?
- Are you considering alternative fuels?
- Is wood one of those fuels?
- Might the Kansas Forest Service, Kansas State University be of any assistance?



Existing wood energy industries/ business

- Alfalfa Dehydrators
- Wood Pellet Manufacturers
- Wood Briquetting Manufacturers
- Food Industry---Frito Lay
- Superior Boiler
- Alternative Energy Solutions International
- Earth Care Products



Contacted institutions

- Winfield High School/ Middle School
 - Southwestern College (Winfield)
 - Morris County Schools
 - Riley County School District
 - Coffee County Health System
 - USD 234 High School (Fort Scott)
 - Hayden High Topeka
 - Franklin County Court House
 - Kansas Veterans' Home (Winfield)
 - Kansas Correctional Facility (Winfield)
 - East Kansas Agri-Energy
- (Low Carbon Fuel Standards, Carbon Intensity Rule)



Future Promotional Events

- Kansas Association of School Administrators
- Kansas Health Care Engineer's Association
- Kansas Municipal Utilities

Targeted Audiences

- Schools
- Hospitals
- Prisons
- Nursing facilities

Services

- Prefeasibility technical assistance
- Arrange tours of operating systems
- System manufacturer references
- Engineering service provider references
- Air permitting references
- Funding references
- Case studies
- Information and education



Contact Information:

*Larry Biles, State Forester, lbiles@ksu.edu
Phone: 785-532-3300

Kansas Forest Service, KSU
2610 Claflin Rd, Manhattan, Ks 66502
www.KansasForests.org