Show Me Energy Cooperative

Developing Energy Today for America's Tomorrow



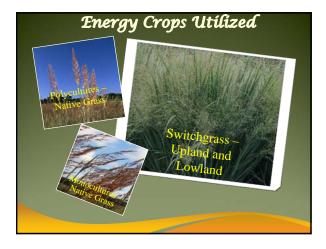


SMEC Vision

- VISION STATEMENT
 - Show Me Energy Cooperative has as its guiding vision a commitment to establish an innovative, profitable, leading model for production of biomass based fuels which may be replicated across the country by small producer owned cooperatives that will provide a positive economic impact on the regions where they are located.

What is Biomass?

- **Biomass** refers to living and recently dead biological material that can be used as fuel or for industrial production. Most commonly, biomass refers to plant matter grown for use as BioFuels.
 - SMEC will use crop residues such as native and grass hay, corn stalks, Milo and soybean stubble, cereal straw (wheat, oats), and seed tailings, as well as industrial biomass sources such as saw dust, paper fluff, tea and coffee grounds.
 - SMEC Members harvest (bale) cellulose from perennial C4 plants.

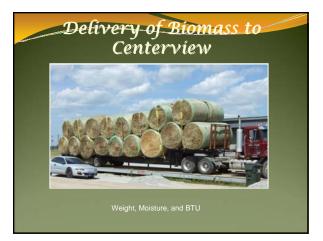


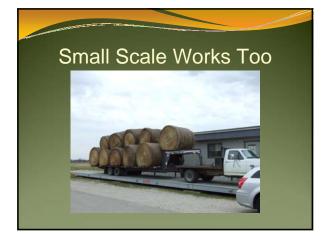
Crop Residue and Native Grasses are harvested by SMEC to Produce Renewable Energy Fuel

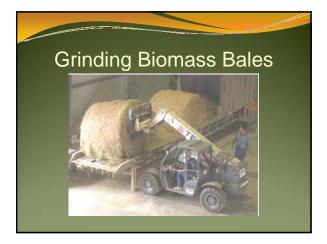


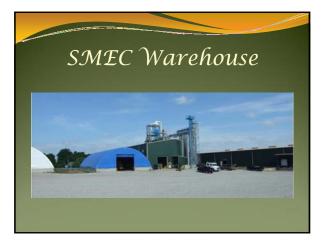




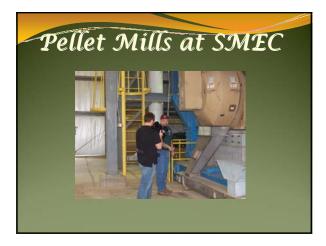




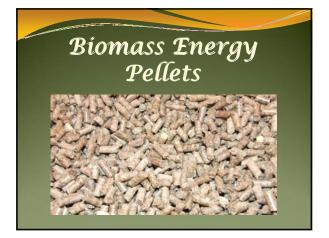






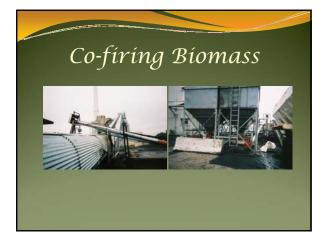


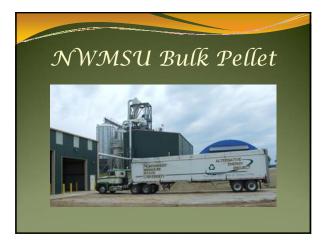






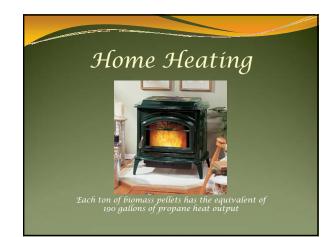












Environmental ImpactFor each ton of biomass co-fired, KCP&L will avoid emitting: -1.69 tons of CO2



Benefits to the State of Missouri

• Farmers' Income

- Rural Community Development
- Renewable Energy Use through Utility Companies
 Urban and Rural Utilities Benefit
- Supply for Animals or Humans

