

# BIOFUELS GASIFICATION

COALTEC ENERGY USA

USDA NRCS

PRIVATE LANDOWNER

# Conservation Innovation Grants

- Under 2002 Farm Bill
- Conservation Innovation Grants
- Public and Private Entities Eligible
- Seeking innovative demonstrations in conservation and energy
- 2006 WV received 3 Grants
  - Coaltec Energy
  - WVU received 2 grants

# Coaltec Energy USA

- **Gasification - Energy-Based Environmental Solutions**

Gasification can produce heat, steam, and/or electricity from coal, waste, or renewable biomass resources.



# Frye Farm Hardy County WV

- Historically dependent upon Propane to heat growing houses.
- Desired to recycle poultry litter as energy source
- Reduced litter as waste
- Reduced energy cost to producer
- Demonstration may lead to size and cost effective applications in region.



09 21 2007 16 29







# Frye Farm Hardy County WV

- Currently heating 1 of 3 existing houses



# Outcomes

- Farm scale use of gasification technology
- Recycling on farm biomass
- Reduced propane use
- Lowered Costs
- Reduced off site pollution-Water/Air
- Disease control- Sterilization of Houses
- Cogeneration – Electric/Steam/other

# For More Information

- <http://www.coalteceenergy.com/poultrylitterproject.html>