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Agricultural Outlook Forum U.S. Department of Agriculture

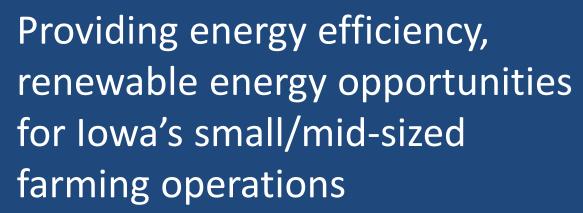
Farm Energy Working Group

Presented: February 24-25, 2011

Carole Yates

FARMENERGY Working Group















National Center for Appropriate Technology



Farm Energy Working Group



Statewide Network

Helping Iowa farmers increase energy efficiency, decrease reliance on fossil fuels.

Mission

Support research, education, and implementation of a variety of energy conservation, efficiency, and renewable energy practices from on-farm resources to meet the needs of lowa's small and mid-sized farms.





Farm Energy Accomplishments --- What do we do?

- Learn from each other
- Invited speakers from other states, working group





Learn from each other







Mini-grant Program





Sponsor Workshops

Helped sponsor 3
workshops for REAP
grant writing training





Micro-Scale Biogas Workshop



Example of biomass used to produce biogas and reduce use of propane, natural gas or electric usage.



Field Trips - Energy from the Farm

Farmers Electric Cooperative (FEC) Solar Array Program







Field Trips

Leighton Yoder,
Wellman, IA
18 kW Jacobs wind
turbine, 120' tower
\$25,000



Pheasant Ridge Farm

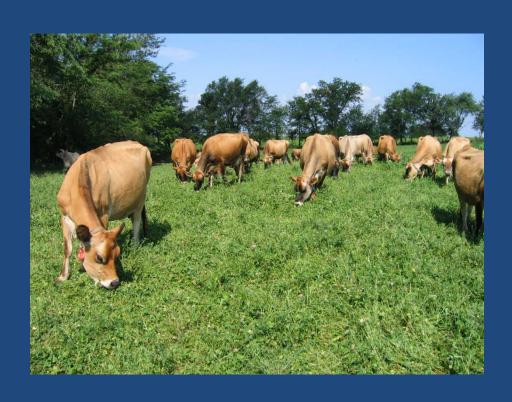
Eric & Ann Franzenburg, Van Horne, IA Corn furnace for water-based heating







Radiance Dairy Farm



Francis & Susan Thicke, Fairfield, IA

Solar PV to run pump







PV panel near pond -- runs pump to use pond water to fill 4,000 gallon storage tank.

Water is gravity-fed to watering troughs around the dairy farm.

2011-12 Projects

- Develop templates for 3 grant projects, help farmers write
- Develop business plan
- Evaluate work







FARM_ENERGY working group

www.ceee.uni.edu/farmenergy.aspx

- Carole Yates
- Rich Dana
- Kamyar Enshayan

