

USDA Rural Development Energy Stakeholder Meeting



USDA RD Energy Programs

- USDA RD in Kansas provided more than \$17 million in financing for renewable energy and energy efficiency projects in 2011
- Renewable energy programs in the 2008 Farm Bill
 - *Sec. 9003 Biorefinery Assistance Program*
 - *Sec. 9004 Repowering Assistance Program*
 - *Sec. 9005 Bioenergy Program for Advanced Biofuels*
 - *Sec. 9007 Rural Energy for America Program*

Bioenergy Program for Advanced Biofuels

- The Biorefinery Assistance Program was established to assist in the development of new and emerging technologies for the development of advanced biofuels
- In 2011, USDA RD invested in 13 Kansas ethanol facilities
 - *Prairie Horizon Agri-Energy, ESE Alcohol, Arkalon Ethanol, Bonanza Bioenergy, Reeve Agri Energy, Western Plains Energy, East Kansas Agri-Energy, Nesika Energy, Healy Biodiesel, Kansas Ethanol, R-3 Energy, Trenton Agri Products, Emergent Green Energy*

Rural Energy for America Program

- REAP offers grants, guaranteed loans and combination grant/guaranteed loans to help agricultural producers and rural small businesses plan, purchase and install renewable energy systems and make energy efficiency improvements in rural areas.
- Renewable Energy: Wind, geothermal, solar, biofuels
- Energy Efficiency: Lighting, heating, cooling, insulation

Rural Energy for America Program

- REAP Allocation and Budget Authority
 - 2009: \$60 million
 - 2010: \$99 million
 - 2011: \$77 million
 - 2012: \$25.4 million

Rural Energy for America Program

- *41 REAP Projects Financed by USDA RD in Kansas totaling \$796,043*
 - *13 Renewable Energy Projects*
 - 2 solar, 2 geothermal, 4 wind, 5 flex-fuel pumps
 - *29 Energy Efficiency Projects*
 - 16 agricultural producers assisted with irrigation efficiencies
 - 1 agricultural producer utilized geothermal
 - 12 small businesses made energy efficiency upgrades including: lighting, heating and cooling systems, windows and insulation

USDA Renewable Energy Investments

- Renewable Energy Map
 - www.usda.gov/energy/maps/maps/Investment.htm
 - *Map shows type of energy investment*
 - Anaerobic
 - Hydroelectric
 - Solar
 - Hydrogen
 - Biomass
 - Wind
 - Geothermal
 - Energy Efficiency Projects

Renewable Energy Success Story

- Kansas Hardwood in Belvue
- Utilized the Rural Economic Development Loan (REDLG) program
- Partner Bluestem Electric Cooperative



Renewable Energy Success Story

- Fire Stables
- 118 Kilowatt Solar Panels
- \$55,641 grant
- Offset significant energy requirements



Energy Efficiency Success Story

- Altamont Grocery Store
- HVAC, cooler and freezer doors replaced
- \$3,589 Renewable Energy for America Program (REAP) Grant
- Energy savings of 35% or greater
- Save more than \$2,500 in energy cost per year



Energy Efficiency Community Facilities Success Story

- Citizens Medical Group in Colby
- \$3 million community facilities guaranteed loan
- HVAC system update
- Hot water heater updates



Energy Funding Possibilities

- Community Programs - program highlights
- Small Business Administration
- Network Kansas

energy solutions for small business



Improving Energy Use and Efficiency for Small Businesses

going green can save you green



Energy Use

- Small businesses spend more than \$60 billion on energy each year
- Utility costs can be cut by 10 to 30 percent while making significant contributions to a cleaner environment

SBA*Express* Loan Program

- Helps businesses adopt green practices
- 50% SBA-backed guaranty
- Average loan size of \$35,000
- Maximum loan size of \$350,000
- Streamlined application process



SBA's Certified Development Company (504) Loan Program

- Used to:
 - *Make significant capital improvements*
 - *Create extensive plant/office renovations*
 - *Increase overall energy efficiency*
 - *Under the Jobs Act borrowers can refinance up to 90% of the appraised value of available collateral until September 27, 2012.*

Energy Efficient Improvements Financed by SBA Loans

- Energy-efficient appliances
- Alternative fuel for vehicles
- Replacing transportation fleet with hybrid vehicles
- Increased efficiency, HVAC, heat pumps, geothermal energy
- Energy-efficient doors, windows, skylights
- Wind and solar power

Green Business Guide at SBA.gov

- *Tips for Energy Efficiency,*
<http://www.sba.gov/content/energy-efficiency>
- Green Marketing
 - *“Green” references and eco-labels to your marketing strategy may enhance your brand*
- Calculators
 - *Inform possible money savings with energy upgrades*

ENERGY STAR

- Identifies products to improve energy usage
- Lists buildings and plants that manage energy efficiently
- Provides steps to take to improve your business “green” footing
- <http://energystar.gov>

Other Resources on ENERGY STAR

- Putting Energy into Profits - online guide
- Portfolio Manager
 - *Measure, set goals, and track energy use*
- Technical Assistance
 - *Email: epasmallbiz@energyandsecurity.com*
 - *Call: 1-888 STAR YES*
- Network E-Update
 - *Free monthly updates*

Other Ways to Improve Energy Efficiency

- Turn off lights and equipment when not in use
- Buy ENERGY STAR products
- Install lighting occupant sensors in proper locations
- Adjust lighting to actual needs
- Regularly change or clean HVAC filters
- Use ceiling fans

Additional Websites

- For more information on the SBA loan programs visit:
<http://www.sba.gov/services/financialassistance/sbaloantopics/index.html>
- For additional information on energy efficiency for small businesses:
www.sba.gov/energy
- Federal Purchasing Programs:
<http://www.fedcenter.gov/programs/buygreen/>

Questions?

<http://www.rurdev.usda.gov/ks>



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