Mooove Over Fossil Fuels: Cow Power is Making its Mark in Madison County
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Benefits of Waste Biofuels
1. Environmentally Friendly
2. Reduces Organic Waste and Odors
3. Not just for Farms and Landfills
4. Reduction of Atmospheric Methane Emissions

What is a Waste Biofuel?
- Unwanted organic matter as a result of human activity
- Can be a renewable and more sustainable resource compared to fossil fuels

Methane Digester
Morrisville State College's Methane Digester
- Funded by a grant from the New York State Department of Ag and Market and U.S. Department of Energy
- Built for 400 milking cows
- Ground breaking August 2005
- Produces about 330,000 kWh of electricity yearly
- Enough to power 330 typical homes each year!

Corresponding Pipes:
- Biogas Line from Digester
- Hot Water Line to Digester
- Cold Water Line to Digester
- Methane Monitoring Control

Community Digesters
- Food processing wastes, food scraps, farm wastes, leaves and lawn clipping can be used to make biofuel
- Locals can share fertilizer and energy from a community digester

Colgate Wood Chip Burning Heating Plant
- Uses local wood chips
- Renewable, nearly carbon neutral
- Sustainable energy source since the 1980's
- 20,000 tons of wood chips yearly
- Offsets 1,000,000 gallons of fuel oil each year (~70% of their heating and hot water needs)

For More Information:
- www.eia.doe.gov
- www.nyserda.org
- www.retc.morrisville.edu

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