

# Waste to Energy Workshop:

## Advances and Opportunities for Ohio's Livestock & Food Processing Industries



### Methane Production and Power Generation from Livestock Manure and Other Food Processing Wastes

**Tuesday, April 7, 2009**

**Arden Shisler Conference Center**

**1680 Madison Ave., Wooster, OH 44691**

**Located on the Ohio State University, Wooster Campus**

The **Ohio Department of Development, Ohio Energy Office** along with its co-sponsors invite you to attend a one day workshop aimed at informing and educating Ohio's farm & food processing industries on:

- The Role of Anaerobic Digestion in Reducing Air, Water, & Land Quality Impacts
- Integrating Combined Heat & Power (CHP) Technologies With Anaerobic Digesters
- Non-Electrical uses of Anaerobic Digester Biogas
- Gas Clean Up Issues and Solutions
- Working with the Utilities
- The Economic, Environmental, and Financial Aspects
- Case Studies of Existing "Waste to Energy" Installations
- How to Obtain Further Assistance in Evaluating These Technologies for Your Facilities

#### Who Should Attend?

Potential users of these type technologies from Ohio's dairy, swine, food processing, and other livestock industries, as well as anyone involved in the design, financing, operation, or regulatory oversight of these type facilities.

#### What is the Cost?

- Register before March 31<sup>st</sup>, the cost is "FREE" thanks to the co-sponsors
- Register after March 31<sup>st</sup>, and a \$25 fee will be required

#### How do I register? (See Next Page)

1. By Phone... Call (312) 996-2554
2. By Fax... (312) 996-5620 – Att: Sam R.
3. By Email... [samr@uic.edu](mailto:samr@uic.edu)
4. Online @ [www.CHPCenterMW.org](http://www.CHPCenterMW.org)

#### Workshop Co-Sponsors

- U.S. Department of Energy
- Ohio Department of Development
- Ohio Agriculture Research & Development Center
- Ohio State University
- Ohio Department of Agriculture
- Ohio Farm Bureau Federation
- Ohio Farmers Union
- Center for Innovative Food Technology
- Wayne Economic Development Council
- Ohio Corn Growers
- Ohio Soybean Council
- Midwest CHP Application Center
- Blue Moon Fund



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Wooster, Ohio

April 7, 2009

## Agenda

7:30 AM	Registration	
8:00 AM	Welcome	Dr. Steve Slack, <i>Director, OARDC</i> John Cuttica- <i>Director Midwest CHP Center</i>
8:20 AM	Anaerobic Digestion: Overview & Opportunities	Dr. Floyd Schanbacher, <i>OARDC</i>
	Livestock Manure Digesters: Installer's Experiences	Steve Dvorak, <i>GHD Inc.</i>
	Anaerobic Digestion: Non-electrical Uses of Biogas	Norma McDonald, <i>Phase 3 Renewables</i>
	Integration of Anaerobic Digestion	Craig Kasper, <i>Hull &amp; Associates</i>
	Biogas Clean Up and Direct Use	Bill Brown, <i>Acron</i>
10:25 AM	Break	
10:40 AM	Anaerobic Digestion of Dairy Waste	Leon Weaver, <i>Bridgewater Dairy</i>
	Connections with Local Utilities	Pat O'Loughlin, <i>Power Supply, Buckeye Power-REC</i>
	Energy Recovery from Landfill Gas	Tim Berlekamp, <i>Solid Waste Authority of Central Ohio</i>
	Anaerobic Digestion of Food Processing Waste: Waste Water Clean Up to Energy	Mike Maringer, <i>Technical Specialist, IFM, Inc.</i>
12:20 PM	Lunch with Keynote Speaker	Mark Shanahan, <i>Governor's Energy Advisor</i>
1:20 PM	Anaerobic Digestion: Building in Industry in Ohio	Mel R. Kurtz, <i>Schmack BioEnergy</i>
	Other Considerations for Implementation	Dale Arnold, <i>Ohio Farm Bureau</i>
2:00 PM	Financial Incentives	
	Ohio's Alternative Energy Portfolio Standard	Anne Goodge, <i>Ohio Biomass Energy Program, Public Utilities Commission of Ohio</i>
	Ohio Department of Development	Tony Sutor, <i>Ohio Energy Office, Ohio Department of Development</i>
	Ohio Job Stimulus Fund: Advanced Energy Component	Kimberly Gibson, <i>Office of Governor's Energy Advisor</i>
	Federal Incentives	Randy Monhemius, <i>USDA Rural Development</i>
3:15 PM	Adjourn	



Department of  
Development



Department of  
Agriculture



Public Utilities  
Commission  
*Ohio Biomass Energy Program*

