



MANURE-TO-ENERGY SUMMIT

Supporting Technology Deployment with
Economically & Environmentally Sound Policy

SEPTEMBER 8, 2011 · HUNT VALLEY MARRIOTT, MARYLAND

CO-SPONSORED BY

Chesapeake Bay Commission · Chesapeake Bay Foundation
Maryland Technology Development Corporation (TEDCO)
Farm Pilot Project Coordination, Inc.

WITH THE GENEROUS SUPPORT OF

The Keith Campbell Foundation for the Environment
U.S. Department of Agriculture
EPA Chesapeake Bay Program Office

AGENDA

- 9:30–10:00** **REGISTRATION**
Coffee and Danishes
- 10:00 AM** **WELCOME**
Overview of agenda, purpose of conference, & expected outcomes
SENATOR MIKE BRUBAKER, Chairman, Chesapeake Bay Commission
- 10:10 AM** **DISCOVERY TO DEPLOYMENT**
Why is it so difficult to move technologies from the laboratory to field deployment? What are the obstacles that entrepreneurs must overcome?
STEPHEN AUVIL, Vice President of Tech Transfer and Commercialization, TEDCO
- 10:20 AM** **THE TECHNOLOGIES**
- 10:30 AM** **A TECHNOLOGY PRIMER**
How do they work? Which are deployable and at what scale? What are the environmental trade-offs? Which are the most protective of water quality?
BOB MONLEY, General Manager, Farm Pilot Project Coordination, Inc.
- 10:50 AM** **THE COMPANIES**
Identifying Economic Opportunities while Navigating the Obstacles
Manure-to-energy company representatives will briefly discuss their projects, focusing on the hurdles they had to overcome to get the projects on the ground and their ideas for solutions to obstacles that stood or still stand in their way.
Moderator: BOB MONLEY

10:50 AM THE COMPANIES (continued)

REGIONAL SCALE:

FibroWatt LCC — Incineration

Project Site: Benson, MN

Proposed in Delmarva Peninsula (Md./Del.) & Shenandoah Region (Va.)

JAMES S. POTTER, President of Business Development

COMMUNITY SCALE:

Energy Works — Gasification & Other Technologies

Project Site: Gettysburg, Pa.

PATRICK THOMPSON, President & CEO

FARM SCALE:

Integrity Ag Systems — Digester/Separation System

Project Site: Cobleskill, N.Y. & Blacksburg, Va.

ZACH PAGEL, Director, Product and Business Development

11:50 AM THE FARMERS

Moderator: Kristin Hughes Evans

Virginia Senior Staff Scientist, Chesapeake Bay Foundation

CONVERTING MANURE INTO ENERGY ON THE FARM

Farmers and growers who have undertaken a manure-to-energy project will discuss their motivation to adopt this technology, the help they received and the obstacles they faced getting it implemented, and whether the expected benefits have materialized.

OREN E. HEATWOLE, JR., River Bank Farm, Dayton, Virginia

Poultry Grower and Poultry Supplier

Pyrolysis and Gasification

STEVE REINFORD, Reinford Farms, Mifflintown, Pennsylvania

Dairy

Anaerobic Digestion

12:20 PM LUNCH

THE SWEET SPOT

Agricultural Sustainability, Energy Independence and Clean Water

Introduction: ERNIE SHEA, President, Natural Resource Solutions, LLC

VICE ADMIRAL DENNIS V. MCGINN (U.S. NAVY, RETIRED)

President, American Council on Renewable Energy

1:45 PM THE POLICIES

Moderator: ANN SWANSON, Executive Director, Chesapeake Bay Commission

2:00 PM **VERMONT'S BIODIGESTER INITIATIVE**
Success through Engineering, Research and a Legislative Framework
CHUCK ROSS, Secretary, Vermont Agency of Agriculture
DAN SCRUTON, Dairy and Energy Chief, Vermont Agency of Agriculture

2:45 PM **POLICY CHANGES NEEDED TO MOVE FORWARD**
Seizing Opportunities and Removing Obstacles
The Steering Committee will present a summary of policy issues raised by companies, growers and subject matter experts along with possible policy solutions. Session will include time for discussion and questions.

MARKET ENTRY FACTORS
BEVIN BUCHHEISTER, Maryland Director, Chesapeake Bay Commission

FINANCING FOR MAXIMIZING BENEFITS
BETH MCGEE, Senior Scientist, Chesapeake Bay Foundation

MARKETS FOR BY-PRODUCTS
MAREL RAUB, Pennsylvania Director, Chesapeake Bay Commission

4:00 PM **DRAWING CONCLUSIONS**
Have concrete policy changes been identified that would facilitate greater implementation of waste-to-energy projects in our region that will also provide water quality benefits?
COMMISSION MEMBERS, PANELISTS & PARTICIPANTS

4:20 PM **CLOSING REMARKS**
Chesapeake Bay Commission Leadership
SENATOR MIKE BRUBAKER, Chairman
SENATOR MARY MARGARET WHIPPLE, Vice Chair
DELEGATE JIM HUBBARD, Vice Chair

4:30 PM **ADJOURN**
(Speakers will remain on hand for informal follow-up discussion)