

# 2015 Wisconsin Biogas Conference

November 12, 2015 – Radisson Paper Valley Hotel - Empire Room  
333 W. College Ave - Appleton, Wisconsin 54911

- 8:00am – 9:00am Registration and Refreshments
- 9:00am – 9:05am **Welcome and Brief Overview** – Amanda Mott
- 9:05am – 9:25am **Opening Remarks** – Wisconsin State Senator Robert Cowles
- 9:25am – 10:00am **Overview of Wisconsin Biogas Survey and Results** –  
Clint Fandrich from the Wisconsin State Energy Office
- 10:00am – 10:15am Networking Coffee Break
- 10:15am – 11:10am **Panel #1 – Reformulating Digester Project Design/Build/Operate**
- Stephen Dvorak from DVO Inc.
  - Dan Nemke from US Biogas LLC
  - Kevin Bradley from Big Ox Energy
- 11:10am – 12:05pm **Panel #2 – Incorporating Pre-Mixing and Feedstock Storage Tanks in Digester Systems**
- Steve Bach from Bach Digester LLC
  - Henry Probst from Probst Group
  - Bill Radue from Natural Systems Utilities
- 12:05pm – 1:00pm Networking Lunch
- 1:00pm – 3:00pm **Breakout Sessions by Track**
- | <u>Track 1 – Empire</u><br><b>Biogas Policy</b>  | <u>Track 2 – Empire</u><br><b>Biogas Operations</b>  | <u>Track 3 – Crimson</u><br><b>Biogas Financing</b>   |
|--|--|---|
| <ul style="list-style-type: none"><li>• Utility Matters</li><li>• Environmental Benefits &amp; Regulation</li><li>• Outreach &amp; Education</li></ul> | <ul style="list-style-type: none"><li>• Addressing Operational Challenges &amp; Solutions</li><li>• Community Digester/Ownership Models</li><li>• Organic Waste and Feedstock Issues</li></ul> | <ul style="list-style-type: none"><li>• Project Financing</li><li>• Revenue Generation from Effluent</li><li>• Research &amp; Development</li></ul> |
- 3:00pm – 4:00pm **Expert Panel with Q&A** – Amanda Mott (Moderator)
- Digester Engineering – Jay Kemp from Black and Veatch
  - Legal Advisor – Art Harrington from Godfrey & Kahn
  - Wisconsin Legislator – Representative Amanda Stuck
  - Biogas Project Developer – Michael Brown from BIOFerm
  - Biogas System Owner – Jeff Rich from Gundersen Healthcare
- 4:00pm – 4:15pm Overview of REDA and Adjourn – Clint Fandrich

# 2015 Wisconsin Biogas Conference

## Breakout Sessions

### Track 1 – Empire Room – *Biogas Policy*

- Interaction with Wisconsin's Natural Gas and Electric Utility Companies
  - How can we maximize opportunity for the biogas industry through Power Purchase Agreements, Interconnection, the Renewable Portfolio Standard, and behind-the-meter power generation?
  - What role does Renewable Natural Gas (RNG) play in the biogas industry? Is there a path forward in a period of low natural gas prices?
- Environmental Benefits and Regulation of AD Systems
  - Can/should the biogas industry have a closer relationship with environmental regulators?
  - What is the future of regulating water emissions, such as phosphorus, and air emissions, such as formaldehyde?
- Biogas Outreach and Education
  - How can we improve practical knowledge of biogas in our communities and influence sound policymaking through outreach to local and state leaders?

### Track 2 – Empire Room – *Biogas Operations*

- Addressing Operational Challenges and Solutions
  - Discussion topics may include operator training, digester mixing, biogas scrubbing, automated maintenance, etc.
- Diversification of Ownership Models - Community Digesters
  - Are there opportunities for more integrated and inclusive biogas systems in Wisconsin through public-private partnerships?
  - Discussion topics may include shared operation and maintenance costs; off-site manure handling, power generation and/or biogas refining; etc.
- Organic Waste and Feedstock Issues
  - Is there a role for greater communication and collaboration within the biogas industry?
  - Discussion topics may include tipping fees, equitable feedstock distribution, feedstock logistics and transport, etc.

### Track 3 – Crimson Room – *Biogas Financing*

- Financing Biogas Projects
  - Discussion topics may include improving biogas industry reputation with financial institutions, availability of financial assistance, project contracting and long-term revenue generation, etc.
- Revenue Generation from AD System Effluent Co-Products
  - Discussion topics may include markets for biosolids bedding, capture of raw materials for fertilizer (phosphorus in particular), composting, etc.
- Biogas Research and Development
  - Discussion topics may include development of CNG infrastructure, improving RNG projects, conducting research on anaerobic bacteria and digester effluent, etc.