

Renewable Natural Gas Opportunities

Penn State Biomass Energy Short Course Series

When: June 8-9, 2022

Where: Lancaster Farm and Home Center, 1383 Arcadia Rd, Lancaster PA 17601

Hosted by Penn State Extension, the Penn State Center for Biorenewables, and the C-Change Grass2Gas Consortium.

Overview:

Dramatic changes to the technology, markets, and incentives for renewable methane are causing new opportunities to emerge for biogas production to be utilized as “Renewable Natural Gas”.

What are the foundational principles guiding this rapidly expanding sector? What are the emerging business models? What new technologies are shifting the way we think about feedstocks, scale, and productivity? Join us as we explore these and other important questions regarding renewable natural gas opportunities.

The event will include two days of presentations, panel discussions, a site tour, and networking opportunities. Day 1 will focus on biogas principles and science, while Day 2 will turn its attention to technology and business aspects.

Who Should Attend?

This workshop is designed for individuals seeking to explore upcoming opportunities for biogas and renewable natural gas (RNG) opportunities in the region. Bioenergy and natural gas professionals, project developers, policy makers, financiers, researchers, and public sector professionals are all encouraged to attend.

Speakers:

Presenters and panelists for this short course include leading scientists and industry professionals in the RNG space, including:

- Tom Richard, Penn State
- Dan Tyndall, Roeslein Alternative Energy
- Amro Hassenein, University of Maryland
- Heather Karsten, Penn State
- Kurt Miller, Venture Engineering
- Jeff Bonar, CapCO2
- Behrang Mansoorjad, Xebec
- Luca Sirugo, Gruppo EF
- William Sapon, Peoples Natural Gas
- Hassan Loutfi, Roeslein Alternative Energy

Program:

Day 1: June 8

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| 13:00 | Registration open |
| 13:30 | Biogas Principles and Properties |
| 14:15 | Feedstocks for Biogas |
| 14:45 | Microbial Community Care for Biogas |
| 15:30 | Ecosystem services and impacts |
| 16:00 | Digester Facility Tour Farm |
| 18:00 | Reception and Informal Discussion |

Day 2: June 9

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| 8:30 | Welcome |
| 8:45 | Biogas Production Systems |
| 9:30 | RNG Project Development |
| 10:15 | Break |
| 10:45 | Panel: Emerging Opportunities in Biogas |
| 12:00 | Lunch |
| 13:00 | Biogas Upgrading |
| 13:45 | Integrating RNG into the Natural Gas Infrastructure |
| 14:30 | Break |
| 14:45 | RNG Market Essentials |
| 15:30 | Future Outlook for Biogas as Biorefining |
| 16:15 | Summary and Closing Comments |
| 16:30 | Close |

Cost and Registration:

Early bird registration (before May 15) is \$195. After that it rises to \$245. Register online at:

<https://web.cvent.com/event/27db62b8-b8ca-48ad-8945-4dc0f03596fb/summary>

Commercial display space also available – contact us at the numbers below for details.

Questions?

Please contact:

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PennState Extension

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Penn State Extension: <http://energy.extension.psu.edu>

