



Focused Workshop: Biogas to Vehicle Fuel

When: Thursday, July 19th, 12:30 pm to 2:30 pm (Boxed lunches will be provided)

Where: Fox Valley Technical College- Appleton Campus, 1825 N. Bluemound Drive, Appleton WI
Conference Room A170 is located just inside Entrance 16 off the North parking lot

<http://www.fvtc.edu/public/content.aspx?ID=1706&PID=1>

Organizers: Wisconsin State Energy Office (SEO), Wisconsin Department of Natural Resources (DNR), and Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP) and Wisconsin Clean Cities – Southeast Area

This workshop will describe the transportation applications of biogas, a renewable fuel similar to natural gas that is produced by microorganisms as they consume wastes at landfills, wastewater treatment plants, farms and food processors. Wisconsin is already a leader in biogas systems that treat manure on dairy farms and at municipal wastewater treatment facilities, but has only scratched the surface of the total biogas potential in the state. Many more truckers and fleets across the state are exploring the complementary use of both biogas and conventional natural gas to lower fuel costs and reduce vehicle noise and emissions. Biogas specialists, representatives from state agencies and engineers will answer your questions about this emerging opportunity. Additional background information on biogas as a vehicle fuel can be found at the natural gas portal of the SEO website: energyindependence.wi.us

Please RSVP to maria.redmond@wisconsin.gov with “Biogas Workshop” in the subject

Summary Agenda:

Working Lunch - Biogas Background and the Vehicle Fuel Opportunity

Peter Taglia, and Maria Redmond, SEO and Thomas Nowakowski, DNR

12:30 pm

Interactive Panel: Biogas CNG Considerations and Case Studies

12:45 pm

- **Choosing the Best Application of Biogas.** Biogas can be used for many energy applications, from electricity to heat to natural gas pipeline injection or vehicle fuel. The best application will be highly dependent on site criteria, utility interconnection availability and local vehicle fleet demand.
- **Detailed examples: Dane County Landfill and Janesville Wastewater Treatment Plant.** These two examples showcase the ability of biogas producers to make their own CNG fuel for fleet vehicles.
- **Directed Biogas for Vehicle Fuel.** Biogas can be upgraded to pipeline quality, transported in existing natural gas pipelines and used in conventional CNG fueling stations far from the source.
- **Financing Biogas CNG Projects and RINs.** Renewable Identification Numbers (RINs) are used by fuel refiners to comply with the Federal Renewable Fuel Standard. Biogas is an advanced, low carbon vehicle fuel that generate significant value through the sale of RINs and other financing mechanisms
- **Questions and Answers**

Concluding Remarks and Next Steps

2:15 pm