



Harvest Your Energy

This Halloween, think of turning seasonal municipal solid waste (MSW) into energy as one very interesting “trick!” The Department of Energy’s (DOE’s) Bioenergy Technologies Office (BETO) wants to illustrate how common holiday waste can create a positive environmental impact.

Earlier this month, BETO released a spooktastic infographic that demonstrates how waste materials like hay, pumpkins, candy, and autumn leaves can be used to generate both heat and power through technology innovation. Using a process called anaerobic digestion, organic waste materials can be broken down in a tank to produce biogas.

Read all of this month’s featured [blog post](#) to learn more about how MSW can play a positive role in advancing a sustainable energy supply—both during Halloween and throughout the year.

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Updates from the Natural Gas-Biomass to Liquids Workshop Now Live!

This September, BETO—in coordination with the Office of Fossil Energy and the National Energy Technology Laboratory—hosted a workshop on Natural Gas-Biomass to Liquids (GBTL) in Chicago, Illinois. The focus of this event was to obtain input from industry, academia, research establishments, and other experts on the role for DOE in

the development and production of liquid transportation fuels or products from combinations of natural gas and biomass feedstocks.

Information from the workshop, including presentations and a full attendee list, can be found on the [BETO website](#). More results from the workshop will be posted as they become available, and additional information on DOE's efforts in gas to liquids and GBTL technologies will also be distributed.

For those who could not attend the workshop in person, BETO will be holding a webinar in December on GBTL activities at DOE, as well as the initial results of the event. Stay tuned to BETO's news updates for more details!

New Featured Bioenergy Publication

Earlier this month, researchers from Los Alamos National Laboratory published a paper titled "Evaluating nuclear transgene expression systems in *Chlamydomonas reinhardtii*" in *Algal Research*. Research for this publication was supported by the National Institutes of Health and the U.S. Air Force. To learn more, please read the [full text article](#).

Past and Upcoming Events with Bioenergy Office Representation

- [Natural Gas-Biomass to Liquids Workshop](#); September 3, 2013; Kevin Craig, Zia Haq, Prasad Gupte, and more; Chicago, Illinois
- [tcbiomass2013](#); September 3–6, 2013; Zia Haq, Paul Grabowski, Jim Spaeth, and more; Chicago, Illinois
- [Advanced Biofuels Conference & Expo](#); September 10–11, 2013; Mark Elless; Omaha, Nebraska
- [ARPA-E PETRO Industry Meeting](#); September 12–13, 2013; Mark Elless; St. Louis, Missouri
- [Integrated Biomass Supply Systems Annual Meeting](#); September 25–27, 2013; Mark Elless; Raleigh, North Carolina
- [IEA Bioenergy Exco](#), November 11–13, 2013; Paul Grabowski; Jeju, Korea

Upcoming Industry Events

- [2013 AIChE Annual Meeting](#); November 3–8, 2013; San Francisco, California
- [Wood Stove Decathlon](#); November 15–19, 2013; Washington, D.C.
- [BIO Pacific Rim Summit](#); December 8–11, 2013; San Diego, California

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