

Biomass Program



Biomass Program Monthly News Blast

Lawrence Berkeley National Lab Opens the Advanced Biofuels Process Demonstration Unit

On August 18, 2011, Biomass Program Manager Paul Bryan and Biochemical Conversion Technology Manager Leslie Pezzullo traveled to Emeryville, California, for a ribbon-cutting event of the Advanced Biofuels Process Demonstration Unit, located at the U.S. Department of Energy's (DOE) Lawrence Berkeley National Laboratory. Built and operated with DOE annual and American Recovery and Reinvestment Act funds, the 15,000 square-foot facility will enable researchers and engineers to test promising new processes for biofuels production that will support the domestic biofuels industry and improve the nation's energy security. Demonstrations conducted at the new facility will also help researchers gather the data they need to scale up and integrate processes, as well as secure future federal funding and private investment.

Biomass Preconversion and Densification Workshop, "Transforming Biomass into Feedstock"

On August 23–24, 2011, Biomass Program Manager Paul Bryan, Feedstocks Team Leader John Ferrell, and Integrated Biorefinery Technology Manager Melissa Klembara traveled to Idaho Falls, Idaho, to participate in the Biomass Preconversion and Densification Workshop, "Transforming Biomass into Feedstock." DOE's Idaho National Laboratory (INL) hosted the workshop, which focused on various pathways for transforming biomass into high-quality, high-density feedstocks for bioenergy. DOE's Biomass Program, Office of Science, and Advanced Research Projects Agency-Energy (ARPA-E) also hosted a follow-up webinar on Tuesday, August 30, at 1:00 p.m. EDT. During the webinar, speakers from INL and other experts discussed technologies to produce and transform biomass into high-quality, on-spec, densified

feedstocks and addressed the impacts of these technologies on supply chain logistics and feedstock performance for biofuels and biopower applications. Presentation materials will be available on [INL's website](#) in the coming weeks.

Biomass 2011 Presentations

Presentations from Biomass 2011: Replace the Whole Barrel, Supply the Whole Market—*The New Horizons of Bioenergy* are now available on the [Biomass 2011 Web page](#).

DOE Biomass and Clean Cities State Web Conference

On Tuesday, September 13, 2011, at 11:00 a.m. EDT, DOE's Biomass and Clean Cities programs will be hosting a State Web Conference. Argonne National Laboratory's Forrest Jehlik will present on his work with the Vehicle Technologies Program's Lee Slezak to promote green racing. Following Jehlik's presentation, there will be an extended question and answer session. Please [register](#) in advance as space is limited.

DOE Highlights Consortium's Work to Advance Market-Ready Drop-In Transportation Biofuels

DOE recently recognized the National Advanced Biofuels Consortium's (NABC) initial selection of two "drop-in" biofuels technology pathways that will advance to the next development stage. Drop-in biofuels are fuels that can serve as direct replacements or supplements to existing gasoline, diesel and jet fuels, without any changes to existing fuel distribution networks or engines. NABC is funded by DOE with \$35 million through the American Recovery and Reinvestment Act of 2009 to accelerate development of advanced drop-in biofuels that can reduce the nation's reliance on imported oil. To read more about this effort, see the [DOE Progress Alert](#).

Past and Upcoming Events with Biomass Program Representation

- Advanced Biofuels Process Demonstration Unit Ribbon-Cutting, August 18, 2011, Paul Bryan and Leslie Pezzullo, Emeryville, California
- Biomass Preconversion and Densification Workshop, August 23–24, 2011, Paul Bryan, John Ferrell, and Melissa Klembara, Idaho Falls, Idaho
- Biomass R&D Technical Advisory Committee Meeting, August 23–25, 2011, Elliott Levine, Champaign, Illinois
- Plant-Based Chemistry Conference, September 5–7, 2011, Paul Bryan, Paris, France

- The Science of Gene Flow in Agriculture and its Role in Co-existence, September 7–8, 2011, Joanne Morello, Washington, D.C.
 - Second Annual U.S.-China Advanced Biofuels Forum, September 23, 2011, Valerie Sarisky-Reed and Alison Goss Eng, Washington, D.C.
 - 2011 International Conference on Thermochemical Biomass Conversion Science, September 28–30, 2011, Paul Grabowski, Chicago, Illinois
 - Renewable and Sustainable Energy Initiative Seminar, October 11, 2011, Paul Bryan, Boulder, Colorado
-

Newly Updated Report

U.S. Billion-Ton Update: Biomass as Supply for a Bioenergy and a Bioproducts Industry

The 2011 [U.S. Billion-Ton Update: Biomass Supply for a Bioenergy and Bioproducts Industry](#) is a follow-up report to the original 2005 *Billion-Ton Study* that concluded the United States has the ability to annually produce one billion dry tons of biomass for biofuels, biopower, and bioproducts. The updated report and its supporting data improve our understanding of future biomass markets and will be a critical resource for landowners, businesses, and other potential participants in the clean energy economy. The [Bioenergy Knowledge Discovery Framework](#) website provides complementary and reference materials, as well as additional data and explanations. Refer to the Biomass Program [events page](#) in the upcoming weeks for more details about supporting webinars for the report.

For more information regarding the findings from the updated report, please view the report fact sheets:

- [U.S. Billion-Ton Update: Summary Comparison with the 2005 BTS](#)
 - [U.S. Billion-Ton Update: Summary Findings](#)
 - [U.S. Billion-Ton Update: Energy Crops](#)
 - [U.S. Billion-Ton Update: Forest Biomass and Wood Wastes](#)
 - [U.S. Billion-Ton Update: Land-Use Change](#)
 - [U.S. Billion-Ton Update: Crop Residues and Wastes](#)
-

New Bio-Blogs

- [Department of Energy Announces up to \\$12 Million in Investments to Support Development and Production of Drop-In Biofuels](#), DOE Public Affairs, August 31, 2011

- [USDA, Departments of Energy and Navy Seek Input from Industry to Advance Biofuels for Military and Commercial Transportation](#), DOE Public Affairs, August 30, 2011
 - [U.S. and Brazil Launch Strategic Energy Dialogue](#), DOE Public Affairs, August 18, 2011
 - [President Obama Announces Major Initiative to Spur Biofuels Industry and Enhance America's Energy Security](#), DOE Public Affairs, August 16, 2011
 - [The Science Behind Cheaper Biofuels](#), Keri Fulton, August 15, 2011
 - [Billion-Ton Update: Home-Grown Energy Resources Across the Nation](#), Paul Bryan, August 11, 2011
 - [USDA and DOE Fund 10 Research Projects to Accelerate Bioenergy Crop Production and Spur Economic Impact](#), DOE Public Affairs, August 11, 2011
 - [10 Questions for a Senior Scientist: Michael Wang](#), Niketa Kumar, July 21, 2011
-

Update your subscriptions, modify your password or e-mail address, or stop subscriptions at any time on your [Subscriber Preferences Page](#). You will need to use your e-mail address to log in. If you have questions or problems with the subscription service, please contact support@govdelivery.com.

This service is provided to you at no charge by DOE's Office of Energy Efficiency & Renewable Energy (EERE). Visit the website at <http://www.eere.energy.gov>.