

Biomass Program



Monthly News Blast

June 2012

Biomass 2012 Is Less Than Two Weeks Away

It's not too late to reserve your spot at *Biomass 2012: Confronting Challenges, Creating Opportunities – Sustaining a Commitment to Bioenergy*, the Energy Department's fifth annual networking and informational conference. Join Secretary of Energy Steven Chu, White House Energy Advisor Heather Zichal, members of Congress, and an exciting list of confirmed speakers by [registering now!](#) Visit the [Biomass 2012 website](#) to find out more information about the conference and review the agenda.

Can't attend?

Don't miss out on the action. Follow the Bioenergy Knowledge Discovery Framework to get live updates from the conference:



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Biomass Program Releases New Blog

The Biomass Program released a [new blog page](#) this month and will be sharing hot topic Program information, including new technologies, profiles of important players in the biomass community, event information, and more. Check out the first blog post on [the Program's perspective on the state of biomass](#).

Biomass Research and Development Technical Advisory Committee Releases New Biomass Resource

In June 2012, the Biomass Research and Development (R&D) Technical Advisory Committee (TAC) released an [informational library resource](#) that contains publications, funding information, and other useful resources related to the Biomass R&D Initiative, TAC, and the Board. This library is a great source to find relevant biomass information from a variety of government agencies.

Program Request for Information on Algal Biofuels and Intermediate Products Released

Advanced biofuels play an increasingly important role in meeting the volumetric mandates of the Renewable Fuels Standard of the Energy Independence and Security Act of 2007. Fuels

derived from algal biomass qualify as advanced biofuels and have the potential to contribute significantly to the pool of advanced biofuels, alongside fuels derived from terrestrial biomass. In order to help develop strategic research and development plans to advance cost-competitive algal biofuels, the Biomass Program has issued a request for information (RFI) on the development of algae production and downstream processing technology to enhance the yield of algal biofuel intermediate products.

The RFI provides algae stakeholders with an opportunity to contribute their views to help inform the development of the Biomass Program's strategic plans, requirements, and metrics for a potential research and development program that would focus on enhancing the yield of algal biofuel intermediates. The Program is interested in stakeholders' input regarding multiple types of algae, including microalgae, cyanobacteria, and macroalgae.

Responses to this RFI should be submitted in Microsoft Word or PDF format to eabiy@go.doe.gov by **8:00 p.m. Eastern Time on August 1, 2012**. For more information on this RFI and submission requirements, visit the [EERE Funding Opportunity Exchange](#) under **Reference Number DE-FOA-0000745**.

Algal Biofuels White Paper Released

The U.S. Department of Energy's Biomass Program started an initiative to obtain consistent quantitative metrics for algal biofuel production to establish an 'integrated baseline' by harmonizing and combining the Program's national resource assessment (RA), techno-economic analysis (TEA), and life-cycle analysis (LCA) models. The first report, "[Renewable Diesel from Algal Lipids: An Integrated Baseline for Cost, Emissions, and Resource Potential from a Harmonized Model](#)," was released jointly by Argonne National Laboratory, National Renewable Energy Laboratory, Pacific Northwest National Laboratory, and BCS, Incorporated in June 2012. The baseline described in the report represents a plausible near-term production scenario with freshwater microalgae growth, extraction of lipids, and conversion via hydroprocessing to produce a renewable diesel (RD) blendstock. Differences in the prior TEA and LCA models were reconciled (harmonized), and the RA model was used to prioritize and select the most favorable consortium of sites that supports production of 5 billion gallons per year of RD.

Please contact the report's contributors for more information: [Ryan Davis](#), [Daniel Fishman](#), [Edward Frank](#), and [Mark Wigmosta](#).

Past and Upcoming Events with Biomass Representation

- Bioenergy Deployment Consortium Meeting; May 7–9, 2012; Neil Rossmeissl; Knoxville, Tennessee
- Technical Information Exchange on Pyrolysis Oil: Potential for a Renewable Heating Oil Substitution Fuel in New England; May 9–10, 2012; Elliott Levine; Manchester, New Hampshire
- Hybrid Processing for Biorenewable Fuels & Chemicals Production Symposium; May 9–10, 2012; Melissa Klembara; Ames, Iowa

- 5th Annual Biomass Supply Chain & Logistics Conference; May 10–11, 2012; Travis Tempel; Atlanta, Georgia
- EPA Biogas Technology Market Summit, May 14, 2012, Brian Duff, Washington, D.C.
- Biomass Research and Development Technical Advisory Committee Meeting; May 22–24, 2012; Elliott Levine; Richland, Washington
- Advanced Biofuels and the Midwest Market, June 7, 2012, Zia Haq and Howard Marks; Chicago, Illinois
- 2nd International Conference Algal Biomass, Biofuels, Bioproducts; June 10–13, 2012; John Ferrell and Joyce Yang; San Diego, California
- Biogas and Fuel Cells Workshop; June 11–13, 2012; Brian Duff; Golden, Colorado
- Biomass 2012: Confronting Challenges, Creating Opportunities – *Sustaining a Commitment to Bioenergy*; July 10–11, 2012; Biomass Program staff; Washington, D.C.
- 2012 American Society of Agricultural and Biological Engineers Annual International Meeting; July 29–31, 2012; John Ferrell; Dallas, Texas
- Society for Industrial Microbiology and Biotechnology Annual Meeting; August 12–16, 2012; Joyce Yang; Washington, D.C.

Funding Opportunities

- *Innovative Biosynthetic Pathways to Advanced Biofuels*: Funding opportunity to enhance development of biological and hybrid systems of converting and upgrading processable sugars and biomass fractions. This funding opportunity was released May 24, 2012 and applications will be accepted through **July 10, 2012**. For more information, visit the [EERE Funding Opportunity Exchange](#) and search under Reference Number: **DE-FOA-0000719**.
- *Innovative Pilot and Demonstration Scale Production of Advanced Biofuels*: Funding opportunity to identify and evaluate integrated biorefineries that produce military-grade hydrocarbon fuels. The funding opportunity was released June 15, 2012, and applications will be accepted through **August 13, 2012**. For more information, visit the [EERE Funding Opportunity Exchange](#) and search under Reference Number: **DE-FOA-0000739**.