

Biomass Program



Biomass Program Monthly News Blast

Recent and Upcoming Program Events

[Sustainability for the Global Biofuels Industry - Minimizing Risks and Maximizing Opportunities](#)

May 17, 2011, Webinar

This webinar featured an overview of sustainability issues related to the development of a global biofuels market. A panel of speakers from Conservation International discussed results of the DOE-supported Sustainable Biofuel Crops Project, including identified risks and opportunities for global biofuels production, results of field studies to develop responsible biofuel crop management strategies, and implications for land-use planning, policy, and developing markets.

[Biomass Program Review](#)

June 27–28, 2011, at the Doubletree in Crystal City, Virginia

The Program Peer Review will review the overall Program strategy, portfolio balance, and the results of individual platform reviews conducted earlier in the year. This event is open to the public.

[Biomass 2011: Replace the Whole Barrel, Supply the Whole Market - The New Horizons of Bioenergy](#)

July 26–27, 2011, at the Gaylord National Resort and Convention Center in National Harbor, Maryland

Biomass 2011 will focus on topics surrounding the use of biomass as a replacement for petroleum to supply the energy, products, and power markets. Biomass 2011 is free and open to the public.

Program Funding Opportunity Announcements

Catalytic Upgrading of Thermochemical Intermediates to Hydrocarbons

The funding opportunity will provide up to \$12 million over the next three to four years to support as many as five projects. These investments are for research and development of technologies that will support the production of gasoline, diesel, and/or jet fuels from biomass. Each selectee will utilize biomass materials such as woody biomass and corn stover in thermochemical conversion processes known as gasification and pyrolysis. Gasification breaks down biomass using heat and oxygen to produce synthesis gas, which can then be used to produce liquid fuels and chemicals. Pyrolysis also uses heat to break down biomass into liquids that may be upgraded to produce liquid fuels and chemicals. This research and development will leverage existing work and should result in commercially available technologies or processes. A description of the solicitation, eligibility requirements, and application instructions can be found on the [FedConnect website](#) and the [Grants.gov website](#) under Reference Number **DE-FOA-0000467**. Applications must be submitted through [Grants.gov](#) by no later than **11:59 p.m. EST on May 23, 2011**.

Biomass Research and Development Initiative

The U.S. Departments of Agriculture (USDA) and Energy (DOE) jointly announced up to \$30 million over three to four years that will support research and development in advanced biofuels, bioenergy, and high-value biobased products. The projects funded through the Biomass Research and Development Initiative (BRDI) will help create a diverse group of economically and environmentally sustainable sources of renewable biomass and increase the availability of alternative renewable fuels and biobased products. For fiscal year 2011, applicants seeking BRDI funding must propose projects that integrate science and engineering research in the following three technical areas that are critical to the broader success of alternative biofuels production: feedstock development, biofuels and biobased products development, and biofuels development analysis. A description of the solicitation, eligibility requirements, and application instructions can be found on the [FedConnect website](#) and the [Grants.gov website](#) under Reference Number **DE-FOA-0000510**. Applications must be submitted through Grants.gov by no later than **11:59 p.m. EST on May 31, 2011**.

Department Funding Opportunity Announcements ([Advanced Research Projects Agency - Energy](#))

All ARPA-E FOA applications are due May 19, 2011 at 5pm EST

- [DE-FOA-0000474: Solar Agile Delivery of Electrical Power Technology \(Solar ADEPT\)](#)
- [DE-FOA-0000473: Green Electricity Network Integration \(GENI\)](#)

- [DE-FOA-0000472: Rare Earth Alternatives in Critical Technologies for Energy \(REACT\)](#)
 - [DE-FOA-0000471: High Energy Advanced Thermal Storage \(HEATS\)](#)
 - [DE-FOA-0000470: Plants Engineered To Replace Oil \(PETRO\)](#)
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Past and Upcoming Events with DOE Biomass Program Representation

- First World Biomass Energy Congress, April 25–29, 2011 Paul Bryan, <http://www.bitlifesciences.com/wcbe2011/>, Dalian, China
 - Fourth Annual World Congress of Industrial Biotechnology and Bioprocessing, May 9–11, 2011, Paul Bryan and staff, <http://www.bio.org/worldcongress/>, Toronto, Ontario, Canada
 - 2011 International Biomass Conference and Expo, May 2–5, 2011, Elliott Levine, <http://www.biomassconference.com/ema/DisplayPage.aspx?pagelId=Home>, St. Louis, Missouri
 - 33rd Symposium on Biotechnology for Fuels and Chemicals, May, 2–5 2011, Leslie Pezzullo and Brian Duff, <http://www.simhq.org/meetings/sbfc2011/index.asp>, Seattle, Washington
 - National Association of Advanced Biofuels and Bioproducts Meeting, May 11–13, 2011, Joyce Yang, Boulder, Colorado
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Recent Publications

- [Biomass Multi-Year Program Plan](#), May 2011
 - [Process Design and Economics for Biochemical Conversion of Lignocellulosic Biomass to Ethanol](#), May 2011
 - [Biomass Cookstoves Technical Meeting: Summary Report](#), May 2011
 - [Biomass R&D Board Report — Biomass Conversion: Challenges for Federal Research and Commercialization](#), February 2011
 - [Biomass R&D Board Report — Biofuel Feedstock Logistics: Recommendations for Research and Commercialization](#), January 2011
 - [Portfolio Overview: Integrated Biorefineries \(Biofuels, Biopower, Bioproducts: Integrated Biorefineries\)](#), January 2011
 - [Biopower Workshop Report](#), December 2010
 - [Current State of the U.S. Ethanol Industry](#), November 2010
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Bio-Blogs

- [Innovation at Los Alamos Unlocking a New Source of Domestic Oil... From Algae!](#), Joyce Yang, May 17, 2011
- [Department of Energy Planning Cookstoves Research, Releases Biomass Technical Meeting Summary](#), Paul Bryan, May 10, 2011
- [Biomass Boiler to Heat Oregon School](#), Joel Danforth, April 26, 2011
- [Study: Algae Could Replace 17% of U.S. Oil Imports](#), Niketa Kumar, April 13, 2011
- [Major Corporate Fleets Align to Reduce Oil Consumption](#), Dennis A. Smith, April 1, 2011
- [Advise the Advisor: Secretary Chu on Energy Policy](#), Katelyn Sabochik, March 31, 2011
- [10 Questions for a Chemical Engineer: Alan Zacher](#), Niketa Kumar, March 24, 2011
- [Driving "Back to the Future": Flex-Fuel Vehicle Awareness](#), Paul Bryan, March 18, 2011
- [Winning the Biofuel Future](#), Secretary Steven Chu, March 7, 2011
- [Biodiesel Revs Up Its Applications](#), Shannon Brescher Shea, March 3, 2011
- [Turning Waste Into Fuel: How the INEOS Biorefinery Is Changing the Clean Energy Game](#), Paul Bryan, February 9, 2011

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