



BIOMASS 2012:

CONFRONTING CHALLENGES, CREATING OPPORTUNITIES- SUSTAINING A COMMITMENT TO BIOENERGY

July 10–11, 2012, Washington, D.C. Convention Center

Tuesday, July 10, 2012	
7:00–8:00 AM	Registration
8:00–8:30 AM	Welcome and Introductory Keynote <ul style="list-style-type: none"> Valerie Reed, Acting Program Director, Biomass Program, U.S. Department of Energy David Danielson, Assistant Secretary for Energy Efficiency & Renewable Energy, U.S. Department of Energy
8:30–8:45 AM	Special Guest Presentation <ul style="list-style-type: none"> Al Franken, U.S. Senate (D-MN)
8:45–9:15 AM	A Conversation with Secretary Chu <ul style="list-style-type: none"> Steven Chu, Secretary of Energy, U.S. Department of Energy Moderated by John Kneiss, Director, North America, Hart Energy Consulting
9:15–9:45 AM	Opening Congressional Keynote <ul style="list-style-type: none"> Chris Coons, U.S. Senate (D-DE)
9:45–10:15 AM	Morning Break with Posters and Exhibitors
10:15–11:45 AM	Opening Plenary Session: “First-to-Market: Pioneering Advanced Biorefineries” <i>This session will explore the opportunities and challenges involved in the construction of first-of-a-kind advanced biorefineries by examining the status of the pioneer projects that have broken ground in 2012.</i> Moderator: Jim Lane, Editor & Publisher, <i>Biofuels Digest</i> Speakers: <ul style="list-style-type: none"> Christopher G. Standlee, Executive Vice President, Abengoa Peter Williams, Chief Executive Officer, INEOS William (Bill) J. Brady, Chief Executive Officer, Mascoma Corporation Christopher Ryan, President and Chief Operating Officer, Gevo Theodora Retsina, Chief Executive Officer, American Process Inc.
11:45–1:45 PM	Lunch (on your own)
1:45–2:15 PM	Afternoon Keynote <ul style="list-style-type: none"> Vice Admiral Dennis V. McGinn (U.S. Navy, Retired), President, ACORE

2:15–3:45 PM	<p>Afternoon Plenary Session: “The Future of the Renewable Fuel Standard and Bioenergy Tax Policy” <i>This session will focus on some of the pressing policy issues facing the advanced biofuels industry, including the future of the Renewable Fuel Standard, the extension of the cellulosic ethanol tax credit, and other important policy and regulatory issues.</i></p> <p>Moderator: Michael McAdams, President, Advanced Biofuels Association</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Ryan Abraham, Tax Counsel, Senate Finance Committee • Jonathan Black, Senior Professional Staff Member, U.S. Senate Energy Committee • J.W. Hackett, Republican Counsel, Senate Committee on Environment and Public Works • R. Brooke Coleman, Executive Director, Advanced Ethanol Council • Jeremy I. Martin, Senior Scientist, Union of Concerned Scientists • James McVaney, Vice President, Government Affairs and Aerospace Business Development, Rentech Inc.
3:45–4:00 PM	Afternoon Break with Posters and Exhibitors
4:00–5:30 PM	<p>Breakout Session I</p> <p>Session 1-A – Raw Biomass to Commodity Feedstocks: The Role of Feedstock Logistics in a National-Scale Bioenergy Industry <i>This session will bring together leaders in industry, government, and research to discuss the future of biomass feedstock logistics. Panelists will address key challenges and new opportunities and highlight the critical role of feedstock logistics in scaling-up to a national bioenergy industry.</i></p> <p>Moderator: David J. Muth Jr., Research Engineer, Idaho National Laboratory</p> <p>Speakers:</p> <ul style="list-style-type: none"> • J. Richard Hess, Director, Energy Systems & Technology Division, Idaho National Laboratory • Bobby Bringi, Chief Executive Officer, MBI • Bob Rummer, Project Lead, Forest Operations, U.S. Department of Agriculture Forest Service • Kevin S. Comer, Senior Project Manager, Antares Group Inc. <hr/> <p>Session 1-B – Algal Biofuels: Practical Perspectives on Policy, Regulatory, and Environmental Considerations <i>This breakout will feature a panel of algae industry representatives discussing their experiences with various regulatory and permitting agencies, as well as strategies and lessons learned in pursuing scale-up of algal biofuel facilities.</i></p> <p>Moderator: Christy Sterner, Project Officer, Biomass Program, U.S. Department of Energy</p> <p>Speakers:</p>

- Martha Marrapese, Partner, Keller and Heckman LLP
 - Tim Zenk, Vice President of Corporate Affairs, Sapphire Energy Inc.
 - Patrick Ahlm, Assistant Director Government and Regulatory Affairs, Algenol Biofuels Inc.
 - David Hanselman, Director of Regulatory Affairs, Synthetic Genomics Inc
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Session 1-C – Expanding Horizons for Biomass Utilization: Bioproducts, Biopower, and Biothermal

This session will highlight non-fuel end-uses for biomass derivatives, such as chemical bioproducts, biothermal substitutes for industrial and home heating use, and biopower generation and cofiring. Panelists will discuss these topics in terms of their future potential and tradeoffs with biofuels.

Moderator: Elliot Levine, Technology Manager, Biomass Program, U.S. Department of Energy

Speakers:

- Jacques Beaudry-Losique, Vice President, Corporate Development & Strategy, Codexis
 - Peter L. Keeling, Innovation Director, Center for Biorenewable Chemicals, Iowa State University
 - Monique Streff, Business Development Director, Envergent Technologies
 - Susan Hager, Senior Vice President of Corporate Communications and Government Affairs, Myriant
 - Evija Reinholde, Partner, EnertecGreen
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Session 1-D – Bioenergy Coast-to-Coast: State Strategies for Accelerating Advanced Biofuels

This session will focus on existing and potential state-level initiatives to promote the U.S. advanced biofuels industry. Panelists will discuss state policy and legislative successes, lessons learned, and recommendations covering the full biofuels supply chain.

Moderator: David Terry, Executive Director, ASERTTI/NASEO

Speakers:

- W. Steven Burke, President and Chief Executive Officer, Biofuels Center of North Carolina
 - Daniel S. LeFevers, Executive Director, Washington Operations, Gas Technology Institute
 - Bill Brandt, Director of Strategic Integration, Arizona State University
 - Stephanie Batchelor, Senior Manager, Biotechnology Industry Organization
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Session 1-E – International Cooperation to Develop Global Bioenergy Capacity

This session will bring together a diverse set of players trying to leverage technical expertise and geographical diversity and share lessons learned in an effort to further the reach of biomass and biofuel applications, helping to build capacity that will allow for bioenergy markets to develop and deepen in the international arena.

Moderator: Natasha Keith Vidangos, Western Hemisphere Energy Officer, U.S. Department of State

Speakers:

- Thomas Corle, Partner, Leifmark LLC, Inbicon Technology Marketing Partner
- Liliana Diaz, Managing Consultant, Navigant Consulting
- Sagun Saxena, Managing Partner, CleanStar Ventures LLC
- Helena Chum, Research Fellow, National Renewable Energy Laboratory

Wednesday, July 11, 2012

7:00–8:00 AM	Registration
8:00–8:30 AM	Introduction and Overview of the Biomass Program <ul style="list-style-type: none">• Valerie Reed, Acting Program Director, Biomass Program, U.S. Department of Energy
8:30–9:00 AM	Opening Congressional Keynote <ul style="list-style-type: none">• Brian Bilbray, U.S. House of Representatives (R-CA)
9:00–10:30 AM	Opening Federal Keynotes <ul style="list-style-type: none">• Dallas Tonsager, Under Secretary of Rural Development, U. S. Department of Agriculture• Sharon E. Burke, Assistant Secretary of Defense for Operational Energy Plans & Programs, U.S. Department of Defense• Cheryl Ann Martin, Deputy Director of ARPA-E Commercialization
10:30–10:45 AM	Morning Break with Posters and Exhibitors
10:45–12:15 PM	Breakout Session II Session 2-A – Financing Strategies for Advanced Biorefineries <i>This breakout session will discuss both domestic and international opportunities for commercial-scale biorefineries. As these projects are characterized by risks in feedstock, technology, and product off-take agreements, this session will discuss strategies to overcome financial challenges.</i> Moderator: Mark Riedy, Partner, Mintz, Levin, Cohn, Ferris, Glovsky and Popeo PC Speakers: <u>Domestic Opportunities</u> <ul style="list-style-type: none">• Alejandro Zamorano-Cadavid, U.S. Lead Bioenergy Analyst, Bloomberg New Energy Finance• John May, Managing Director, Stern Brothers & Co.• Joseph A. Regnery, Senior Vice President Government & Regulatory Affairs, ZeaChem Inc.• David H. Scott, Executive Vice President & National Utility Practice Leader,

Willis North America

International Opportunities

- Craig O'Connor, Director – Office of Renewable Energy & Environment Exports, Export-Import Bank of the United States
- Jørn Fredsgaard Sørensen, Chief Consultant, Eksport Kredit Fonden
- Lynn Tabernacki, Managing Director, Renewable Energy and Sustainable Development, Overseas Private Investment Corporation

Session 2-B – Thoughtful Landscape Design for Bioenergy and Ecosystem Sustainability

This session will reframe the land-use change discussion to focus on innovative land management approaches that maximize both economic and environmental benefits. Panelists will discuss strategies for designing landscapes that optimize productivity while maintaining or improving ecological attributes such as water quality, soil quality, and biodiversity.

Moderator: Maria C. Negri, Principal Agronomist/Environmental Engineer, Argonne National Laboratory

Speakers:

- Paul R. Adler, Research Agronomist, U.S. Department of Agriculture–ARS, Pasture Systems and Watershed Management Research
- Bill McGuire, Founder, Bill McGuire Conservation
- Jeff Volenec, Professor of Agronomy, Purdue University
- Fred D. Circle, President and Chief Executive Officer, FDC Enterprises

Session 2-C – The Road Less Traveled: Alternative Pathways to Biofuels and Products

This session will cover novel and innovative approaches to converting biomass to intermediates and intermediates to hydrocarbon transportation fuel blendstocks and products. Biochemical, thermochemical, catalytic, and hybrid approaches will all be considered, and panelists will discuss recent technical advancements and the current state of technology.

Moderator: Joyce Yang, Technology Manager, Biomass Program, U.S. Department of Energy

Speakers:

- Paul Spindler, Vice President, Technology, Catchlight Energy LLC
- Nelson R. Barton, Vice President, R&D, Genomatica
- Terry Marker, Bioenergy Initiatives Manager, GTI
- Kara Lawrence, Vice President Finance and Treasury, Elevance Renewable Sciences

Session 2-D – Aviation Biofuels: Are you Getting on Board?

A fuels and aviation industry-based discussion on the advantages, availability, and performance of biomass-derived aviation fuels.

Moderator: Paul Grabowski, Technology Manager, Biomass Program, U.S. Department of Energy

Speakers:

- Richard Altman, Executive Director, Commercial Aviation Alternative Fuels Initiative
 - Nate Brown, Alternative Fuels Project Manager, Federal Aviation Administration
 - Joachim Buse, Vice President Aviation Biofuels, Lufthansa German Airlines
 - Steve Csonka, Director Environmental Strategy & Ecomagination, GE Aviation
 - Robert Sturtz, Managing Director of Strategic Sourcing–Fuel, United Airlines
 - Joshua Pearson, Manager of Biorefinery Integration, Rentech Inc.
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Session 2-E – Cellulosic Derived Sugars (CDS): Realizing the Opportunities and Challenges–Could this be the Future of Bioenergy?

The specialized production and commoditization of cellulosic sugars could serve as the impetus for revolutionary market transformation for bio-based industries, including bio-based transportation fuels, specialty chemicals, and other co-products. The session speakers will provide unique insight into the opportunities and challenges of pioneering a cellulosic derived sugar market and the synergies that can be realized in the future if this transformation is successful.

Moderator: Neil Rossmeissl, Technology Manager, Biomass Program, U.S. Department of Energy

Speakers:

- Cynthia Tyler, Senior Project Engineer, CNJV
- Richard Arnold, President/Chief Executive Officer, Old Town Fuel & Fiber
- John Cuzens, Senior Vice President and Chief Technology Officer, BlueFire Renewables Inc.
- Dan Derr, Project Manager, Logos Technologies, Inc
- Kef Kasdin, Chief Executive Officer, Proterro, Inc.

12:15–2:15 PM

Lunch (on your own)

2:15–3:15 PM

Afternoon Keynote

- Heather Zichal, Deputy Assistant to the President for Energy and Climate Change
- Margo Tsirigotis Oge, Director, U.S. Environmental Protection Agency Office of Transportation and Air Quality Office of Air Radiation

3:15–4:45 PM

Afternoon Plenary Session: Sustaining a Commitment to Bioenergy, A Review of High Impact Federal Projects

This session will explore the status and impact of several bioenergy-related projects currently supported by the U.S. Department of Energy and the U.S. Department of Agriculture. The session will also provide an update on the Defense Production Act Initiative and invite audience participation in a discussion on the future role of federal funding for research, development, demonstration, and deployment projects related to bioenergy.

Moderator: Brent Erickson, Executive Vice President, Biotechnology Industry Organization

Speakers:

- Valerie Reed, Acting Program Director, Biomass Program, U.S. Department of Energy
- Tim Eggeman, Chief Technology Officer, Founder, ZeaChem Inc.
- Kelly Novak, Biomass Crop Assistance Manager, U.S. Department of Agriculture Farm Service Agency
- Delane Richardson, Vice President, Prosea™ Technology, Chemtex
- Bill Goldner, National Program Leader, U.S. Department of Agriculture–National Institute of Food and Agriculture
- Tim Rials, Director, Center for Renewable Carbon, University of Tennessee
- Chris Tindal, Director of Operational Energy, Office of the Deputy Assistant Secretary of the Navy for Energy

4:45–5:00 PM

Closing Remarks

- Valerie Reed, Acting Program Director, Biomass Program, U.S. Department of Energy