



# BIOMASS 2014:

## Growing the Future Bioeconomy

July 29–30, 2014, Washington Convention Center

<b>Day 1: Tuesday, July 29, 2014</b>	
7:00 a.m.–8:00 a.m.	<b>Breakfast and Registration</b>
8:00 a.m.–8:30 a.m.	<b>Welcome and Introduction</b> <ul style="list-style-type: none"> <li>U.S. Department of Energy’s (DOE’s) Bioenergy Technology Office (BETO) Director Jonathan Male</li> </ul>
8:30 a.m.–9:00 a.m.	<b>Morning Keynote/VIP</b>
9:00 a.m.–9:30 a.m.	<b>Morning Keynote/VIP</b>
9:30 a.m.–10:45 a.m.	<b><u>Plenary I: Progress in the Bioenergy</u></b> <i>This session will celebrate the journey and recent successes from commercial scale-up for first-of-a-kind, advanced, integrated biorefineries from BETO’s project portfolio.</i>
10:45 a.m.–11:15 a.m.	<b>Morning Break with Posters and Exhibitors</b>
11:15 a.m.–12:30 p.m.	<b><u>Plenary II: Policy Challenges and Opportunities for Growing the Bioeconomy</u></b> <i>A frank discussion on approaches to meeting the challenges and leveraging available opportunities that will fuel the impact, growth, and expansion of the bioeconomy.</i>
12:30 p.m.–1:30 p.m.	<b>Lunch</b>
1:30 p.m.–3:00 p.m.	<b>Breakout Session I</b> <ul style="list-style-type: none"> <li>Supply—Developing Bioproducts <ul style="list-style-type: none"> <li>Conversion Technologies I: Industrial Perspectives on Pathways to Advanced Biofuels <i>This session will provide a glimpse into future outlook of BETO’s Conversion Research and Development Technology Area, including a discussion on the importance of partnering with industry and an emphasis on the validation of pathways.</i></li> <li>Integration of Supply Chains I: Breaking Down Barriers—Addressing Cost, Quality, and Quantity of Feedstocks for Optimizing Bioenergy Production <i>This session will focus on feedstock supply and logistics issues that are crucial to the advancement of the bioenergy industry. The panelists will highlight current feedstock resources in the United States, as well as logistics breakthroughs that have impacted the industry.</i></li> </ul> </li> <li>Demand—Developing Biomarkets <ul style="list-style-type: none"> <li>Fostering Technology Adoption I: Building the Market for Renewables with High Octane Fuels <i>This session will discuss the importance of accelerating the adoption and promoting the benefits of high octane fuels and the present avenues for synergy with engine manufacturers.</i></li> <li>Building Market Confidence and Understanding I: Integrated Biorefinery—</li> </ul> </li> </ul>

	<p>Lessons Learned and Best Practices</p> <p><i>This session will highlight and discuss lessons learned and best practices that BETO has experienced in its portfolio of integrated biorefinery projects since 2006, and it will provide an interactive period to facilitate discussion of lessons learned and/or best practices of greatest interest to the industry.</i></p>
3:00 p.m.–3:30 p.m.	<b>Afternoon Break with Posters and Exhibitors</b>
3:30 p.m.–5:00 p.m.	<p><b><u>Plenary III: Federal Activities in the Bioeconomy</u></b></p> <p><i>This session will discuss how BETO is working cooperatively to establish sustainable domestic, renewable fuels and products within the federal government—specifically integrating the efforts of the U.S. Department of Agriculture, U.S. Department of Transportation, U.S. Department of Defense (including the Navy), and DOE to create jobs, foster innovation, and increase energy security, while supporting the President’s Climate Action Plan.</i></p>
5:00 p.m.–5:30 p.m.	<b>Day 1 Closing and Preface Day 2</b>

<b>Day 2: Wednesday, July 30, 2014</b>	
7:00 a.m.–8:00 a.m.	<b>Breakfast and Registration</b>
8:00 a.m.–8:30 a.m.	<p><b>Welcome</b></p> <ul style="list-style-type: none"> <li>• BETO Director Jonathan Male</li> </ul>
8:30 a.m.–9:00 a.m.	<b>Morning Keynote/VIP</b>
9:00 a.m.–10:15 a.m.	<p><b><u>Plenary IV: Advances in Bioenergy Feedstocks—from Field to Fuel</u></b></p> <p><i>This session will focus on the critical importance of feedstocks and their impact on the bioenergy supply chain. A diverse set of perspectives will be represented to discuss barriers within feedstock supply for bioenergy production.</i></p>
10:15 a.m.–10:45 a.m.	<b>Morning Break with Posters and Exhibitors</b>
10:45 a.m.–12:15 p.m.	<p><b>Breakout Session II</b></p> <ul style="list-style-type: none"> <li>• Supply—Developing Bioproducts <ul style="list-style-type: none"> <li>○ Conversion Technologies II: Bio-Oils, Sugar Intermediates, Precursors, Distributed Models, and Refinery Co-Processing</li> </ul> <p><i>This session will highlight successful business models and the resources needed to realize the potential compatibility of biologically, chemically, and thermochemically derived fuels and fuel intermediates with existing markets. Panelists will focus on how to strategically leverage innovative technological and financial solutions in order to meet the challenges faced by this emerging market.</i></p> <li>○ Integration of Supply Chains II: Bioproducts—Enabling Biofuels and Growing the Bioeconomy</li> </li></ul> <p><i>This session will highlight the increasing importance of bioproducts on biofuels production. Panelists will discuss technical and market barriers to commercializing bioproducts and their opinions on how bioproducts can impact the production of biofuels.</i></p> <ul style="list-style-type: none"> <li>• Demand—Developing Biomarkets <ul style="list-style-type: none"> <li>○ Fostering Technology Adoption II: Expanding the Pathway to Market</li> </ul> </li> </ul>

	<p><i>This session will focus on the range of barriers biofuels are experiencing that are limiting their success in the marketplace. Competition against traditional fuels is fierce, with major litigation underway, which will impact the ability of franchised fuel stations to provide blended biofuels. If the barriers for biofuels are too great to overcome and focus shifts from fuels to products, are the opportunities and market barriers the same or different than for biofuels?</i></p> <ul style="list-style-type: none"> <li>○ Building Market Confidence and Understanding II: Biofuels and Sustainability <i>The session will assess the promise of biofuels, which includes a more sustainable approach to energy production and use—reducing emissions, while meeting future need. Sustainable production of biofuels will also be examined.</i></li> </ul>
12:15 p.m.–1:15 p.m.	<b>Lunch</b>
1:15 p.m.–1:45 p.m.	<b>New Conference Element</b> <ul style="list-style-type: none"> <li>● Multimedia Presentation</li> </ul>
1:45 p.m.–3:15 p.m.	<b>Breakout Session III</b> <ul style="list-style-type: none"> <li>● Supply—Developing Bioproducts <ul style="list-style-type: none"> <li>○ Conversion Technologies III: Energy from Our Waste—Will We Be Rich in Fuel or Knee Deep in Trash by 2025? <i>This session will discuss what the future may look like for waste to energy, with a focus on the production of fuels and products. Panelists will provide their insights on industry predictions for 2025 and will outline the policy changes, market drivers, and technical advancements that will help them achieve their goals.</i></li> <li>○ Integration of Supply Chains III: Algal Biofuels Strategy—Report on Workshops Results and Recent Work <i>This session will present the outcomes of the two DOE-hosted algae stakeholder workshops and the Algae Program’s plans for future research. Subject-matter experts will report the results of the National Alliance for Advanced Biofuels and Bioproducts consortium. Following these presentations, the Algae Program will host a panel discussion on the impacts of biofuel-enabling bioproducts on the algae industry.</i></li> </ul> </li> <li>● Demand—Developing Biomarkets <ul style="list-style-type: none"> <li>○ Fostering Technology Adoption III: International Market Opportunities in Bioenergy <i>Advances in biofuels/bioenergy have led to expanding markets, lower prices and increased interest globally. This breakout session will focus on major market opportunities outside of the United States, as well as challenges and opportunities to enable success in these developing markets.</i></li> <li>○ Building Market Confidence and Understanding III: Engaging Key Audiences in Bioenergy <i>This breakout session aims to empower bioenergy researchers and communications professionals to engage and collaborate on communication and outreach initiatives. Panelists will discuss elements of effective outreach strategies that can facilitate broader awareness of issues related to the expansion of the bioenergy industry.</i></li> </ul> </li> </ul>
3:15 p.m.–3:30 p.m.	<b>Afternoon Break with Posters and Exhibitors</b>
	<b>Plenary V: Project Finance and Investment</b>

3:30 p.m.–4:30 p.m.	<i>This session will explore recent, successful investment rounds, practical avenues, and mechanisms to secure adequate project financing for advanced bioenergy applications and refineries. Conversations will include perspectives of the current financial and investment market environment from experts—representing traditional and innovative funding sources.</i>
4:30 p.m.–5:00 p.m.	<b>Afternoon Keynote/VIP</b>
5:00 p.m.–5:15 p.m.	<b>Conference Adjourn/Thank You</b>

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