



Truly Sustainable Renewable Future



Vol. 1 No. 4 October 2009

*Occasional updates about Advanced Biofuels USA
Promoting understanding, use and development of truly sustainable, renewable fuels*

Coming Advanced Biofuels Events

- [Biomass Summit October 19-21 Washington, DC](#)
- [European Forum for Industrial Biotechnology October 20-22 Lisbon, Portugal](#)
- [Platt's 4th Annual Cellulosic Ethanol and 2nd Generation Biofuels Conference, October 22-23, Chicago, IL](#)
- [4th Annual Biofuels Conference October 27-29 Budapest, Hungary](#)
- [Biofuels International Canada Expo & Conference October 28-29 Montreal, Canada](#)
- [Bioenergy Markets West Africa, October 27-29, Accra, Ghana](#)
- [Pacific Rim Summit on Industrial Biotechnology and Bioenergy November 8-11 Honolulu, HI](#)
- [Next Generation Biofuels Feedstocks November 16-17 San Francisco, CA](#)
- [RFS-2 & RINs Forum November 16-18 Chicago, IL](#)
- [Environmental and Economic Sustainability Summit November 16-18 Washington, DC](#)
- [4th Annual Cellulosic Biofuels Summit November 16-19 Washington, DC](#)
- [ACORE's National Policy Conference "Renewable Energy in America" November 19-20 Washington, DC](#)
- [AG CONNECT Expo January 13-15 Orlando, FL](#)
- [New Green Economy Conference January 20-22 Washington, DC](#)
- [Caribbean Energy January 28-29 Palm Beach, Aruba](#)
- [Renewable Energy and Technology Conference & Exhibition February 3-5 Washington, DC](#)
- [Next-Generation BioBased Chemicals Summit February 8-10 San Diego, CA](#)
- [World Biofuels Markets March 15-17 Amsterdam, Netherlands](#)

Get more information on our home page: www.AdvancedBiofuelsUSA.org.

Happenings On Capitol Hill, the White House and In Federal Agencies

International indirect land use change, greenhouse gas emissions and funding advanced biofuels R&D remain hot topics in US capital and around the world.



It looks like a compromise between some agriculturally savvy members of Congress and EPA has been reached with EPA recognizing the significant uncertainties in determining international indirect land use change effects on greenhouse gas emissions and reflecting that uncertainty in any rules EPA promulgates regarding calculating GHG emissions related to the Renewable Fuel Standard.

Nevertheless, biofuels producers warn Congress and the EPA that they are going to fall far short of the goals for renewable liquid transportation fuels set in the Renewable Fuel Standard. Many argue that circumstance results from an anti-biofuels attitude in the Obama administration, described in a [series of articles about the lack of federal funding](#) and articulated eloquently by [Department of Energy Secretary Steven Cho](#) who said, at recent meeting on alternative fuels with alternative energy developers, "if it were up to me, I would put every cent into electric cars."

The German Marshall Fund sponsored a [debate](#) at the Cannon House Office Building on Capitol Hill in Washington, DC, on biofuels and indirect land use change. The debaters were Tim Searchinger, transatlantic fellow at the German Marshall Fund and co-author of original *Science* article that initiated discussion of international indirect land use change emissions analysis; and Bruce Dale, chemical engineering professor at Michigan State University and Associate Director, Office of Biobased Technologies. Click [here](#) to watch the debate and follow along with the presenters materials.

See more articles on [Federal Agency](#) activities and [Federal Legislation](#).

Advanced Biofuels USA In Any Language



Recognizing that visitors to the Advanced Biofuels USA web site come from all over the world, the organization partnered with Grassroots.org to obtain WorldLingo translating services at no charge to Advanced Biofuels USA. Now, no matter where you are in the world, you should be able to find one of 31 different languages to help you understand advanced biofuels. Just click on the desired language in the box along the right side of each page.

Advanced Biofuels USA Welcomes PayPal



Now it is easy to donate to Advanced Biofuels USA. Just click on the "DONATE" button and PayPal takes care of the rest for you to make a secure financial contribution to the work of Advanced Biofuels USA. With over 10,000 page views each week, this site is living up to its goal of providing quality information and education about advanced biofuels to a worldwide audience.

You benefit as interested professionals, researchers, investors, media leaders, policy leaders, law makers, students, teachers, job seekers, and others use the resources on the site to better understand advanced biofuels.

How?

- Your **legislators will better understand** what you do and the world in which you work.
- Local, national and international **reporters will have a better background** so they can ask intelligent questions and get to the root of controversies and celebrations.
- Teachers will have resources to prepare students for important jobs of the future.
- **Students will come to you more prepared** to work in your part of the advanced biofuels industry.
- **Investors will be able to knowledgeably assess** their options and develop realistic financial goals and expectations.
- You will be able to direct clients, employees and potential partners to a **resource that can provide in depth and extensive answers to many of their questions.**
- You will be able to **expand your understanding** of this nascent industry beyond the limits of your own piece of the action.

Please take a moment to visit the site (www.AdvancedBiofuelsUSA.org) and make a contribution of \$100, \$100, \$10,000 or more to keep this site online and up-to-date. Advanced Biofuels USA is a 501(c)3 nonprofit educational organization. Your gifts are tax-deductible. For more information call or write to Joanne Ivancic, Executive Director, 301-644-1395 or Jlvancic@AdvancedBiofuelsUSA.org. **Thank you for your generous contribution to promoting the understanding, development and use of advanced biofuels. We cannot do this without YOU!**

Tell Us Who You Are: Take Our New Survey

We have *some idea* about who visits the Advanced Biofuels USA web site. Reports from our host tell us that more than 200 unique visitors read articles on our site each day, looking at over 10,000 pages each week. Google searches direct most of them to us;



others find us through other servers—or know us well enough that they visit directly. Our visitors come from around the world with particular popularity seen in England, India, China and Singapore.

But who *are* you? Some of you have emailed and called, so I know some of you are investors and inventors, researchers and students. One woman who just has an abiding interest in alternative energy has the Advanced Biofuels USA home page set to greet her when she turns on her browser.

What about the rest of you? We want to be sure that we are reaching our intended audiences. Are you the investors, policy makers, legislators (and legislators' staffs), reporters and media producers; are you students, teachers, parents and community people interested in stewardship; are you entrepreneurs, researchers, growers, equipment manufacturers? Are we providing information that you need in a format that is useful to you?

It's just four easy questions. [Click here](#). Take a look, tell us a little bit about yourself. (Thanks to Grassroots.org for providing this service and new volunteer, **Sura Hart**, for helping out with some of these website projects.)

New Green Racing Page in R&D Focus Section of Web Site



Inspired by the work of **Jeremy Burnes with Motorsport Industry Association** (who supported and encouraged the development of Advanced Biofuels USA from the start) to make racing relevant again, we've added a [Green Racing](#) page to the R&D Focus Section of the organization's web site. This page focuses on programs that promote technological innovations developed in car racing programs applied to make consumer cars go faster more efficiently and, especially, more sustainably.

In 2006, members of the US Department of Energy, Environmental Protection Agency, SAE International, and several automotive industry leaders came together to form the Green Racing Working Group to develop the Green Racing Protocols. These protocols call for a joint DOE/EPA/SAE International awards program to incentivize, recognize, and reward automotive industry leaders that go the farthest and fastest with the smallest environmental footprint for energy used. Announced at the 2008 Detroit Auto Show, the American Le Mans Series became the first

automotive racing series to adopt the Green Racing Protocols.

Advanced Biofuels USA will follow the ALMS Michelin Green X Challenge and other programs and competitions that grow out of this effort. And encourage the expansion, promotion and success of a green attitude—not just on the race course, but in all aspects of racing. The [Jetta TDI Cup](#) program provides a model example to follow.

Volunteer Projects Underway



K-12 Educational Materials: In the last issue we asked for help with development of a **curriculum-based educational series for K-12 science classes** to help students and teachers understand the basics of plants, algae and other organic materials, how they can be converted to advanced biofuels, and just what advanced biofuels are. **Pete Davey of Olympia, Washington**, just finished a degree in Biochemistry and Molecular Biology at Colorado State. What better qualifications to work on explaining how plants store the sun's energy—and how advanced biofuels technologies strive to release that energy for productive, sustainable purposes? We continue to search for

a volunteer who will bring expertise in K-12 curriculum development.

This team, along with Executive Director, Joanne Ivancic and board member and President of Atlantic Biomass Conversions, Bob Kozak, will be working with the staff at the [National Energy Education Project \(NEED\)](#) to develop

classroom materials that can be used all over this country and the world. Many thanks to **Mary Spruill of NEED** for her encouragement and assistance. For examples of the type of project we contemplate, visit our [Education Resources page](#) and click on the NEED materials listed on that page.

Planning strategies to bring piedmont/mountain areas to the energy crop market: Unfortunately, we did not get the



USDA NESARE grant to develop workshops for crop researchers, growers, biofuels producers, transportation entities, agricultural community organizations, agricultural marketing professionals and finance/agriculture insurance experts to design practical systems to bring the piedmont/mountain regions of the Northeast into the advanced biofuels market. Undeterred, we have applied for funds from The Energy Foundation and continue to lay the groundwork for this project.

Another new volunteer, **Dr. Ritambhara Singh**, brings her extensive experience working in agricultural marketing and economics to this project. Based in **State College, Pennsylvania**, she will be our liaison to the researchers at Penn State and other potential participants in Pennsylvania in addition to assisting with other web-based educational projects.

For information about sponsoring specific projects or supporting the organization in general, contact Joanne Ivancic at 301-644-1395 or by email at [info @ advancedbiofuelsusa.org](mailto:info@advancedbiofuelsusa.org) or just click on the DONATE button above.

You Can Help, Too!



You know that our mission to promote the understanding, development, use and acceptance of renewable, sustainable advanced biofuels is crucial to our world successfully counteracting the negative effects of climate change, to assuring our national security; to getting the most out of our agricultural resources; and to provide for a safe and healthy future for the planet. Advanced Biofuels USA needs your support to reach our goals in this grand effort. Email jivancic@advancedbiofuels.org to find out how you can be a sponsor of specific projects or – oh, so very important – how you can assure the continued day-to-day existence of this endeavor.

Advanced Biofuels USA will grow along with this nascent industry. At this time, we have a number of [openings for volunteer professionals](#). View our job openings. Key among these positions are those involved in development and fundraising. Without substantial funds, we will be unable to reach our lofty and important goals. If you have any questions or suggestions—or what to contribute to our success in any way, don't hesitate to call me at 301-644-1395 or write to jivancic@advancedbiofuelsUSA.org

Here's to a sustainable renewable future!

Joanne Ivancic
President and Executive Director

Come visit us on [Facebook!](#)

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