



Truly Sustainable Renewable Future



Vol. 1 No. 5 December 2009

*Occasional updates about Advanced Biofuels USA*

*Promoting understanding, use and development of truly sustainable, renewable fuels*

## Coming Advanced Biofuels Events

- [Pacific West Biomass Conference January 11-13 Sacramento, CA](#)
- [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](#)
- [Indiana Biomass Business Conference February 9-10 Indianapolis, IN](#)
- [World Biofuels Markets March 15-17 Amsterdam, Netherlands](#)
- [Algae Biofuels World Summit March 22-24 San Diego, CA](#)
- [Biomass 2010 March 30-31 Arlington, VA](#)
- [International Biomass Conference and Expo May 4-6 Minneapolis, MN](#)
- [International Fuel Ethanol Workshop & Expo June 14-17 St. Louis, MO](#)

Get more information on our home page: [www.AdvancedBiofuelsUSA.org](http://www.AdvancedBiofuelsUSA.org).



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

With the international summit on climate change issues in Copenhagen in full swing, our hot topics continue to focus on international indirect land use change analysis, greenhouse gas emissions and funding (or lack thereof) for advanced biofuels projects.

Bob Kozak, contributing author to Advanced Biofuels USA, analyzes **EPA's finding that CO<sub>2</sub> along with 5 other gases are health hazards** in an [online commentary](#). He argues that although this announcement is being treated by the Administration and the media as a significant decision that will soon result in large decreases of US produced GHGs we should not count on that and explains why:

- EPA purposely disregards the entire issue of setting any new regulations as a result of the Finding.
- EPA stumbles in its determination of why the six gases were selected, and
- EPA applies uneven science criteria in its arguments for both the health effects of the gases and the reasons for including and excluding certain gases.

Invited by the National Energy Education Development Project (NEED), Advanced Biofuels USA's executive director conducted a **2-hour class on advanced biofuels for staff at the US Department of Energy** on December 1. "The NEED 10-week seminar is designed to give DOE staff exposure to the wide variety of areas in which DOE is involved. Students wanted to know more about advanced biofuels. After a review of "biofuels basics" based on the Advanced

Biofuels USA Primers, we had in-depth discussions of some of the very tough issues,” said trainer, Joanne Ivancic.

Ivancic also attended **advanced biofuels conferences in Washington, DC** recently with leaders and executives from a vast swath of the growing advanced biofuels industry. The general consensus that developed at these meetings was that current ways of funding an industry trying to develop “never been done before” technologies that rely on commodities markets for both feedstock and finished product markets, and that are heavily weighted on the public benefit side versus the private monetarily valued side just don’t work. “Financial rewards based on expectations gleaned from experience with IT and pharmaceuticals (like Viagra) are unrealistic in the “frozen credit” advanced biofuels world,” explained Ivancic. “We have to create and accept a “new normal.” We don’t know just what that will be, but the pioneers in technology, plant engineering and the related financial markets made it clear that the old ways are not working. There has to be something else.”

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

## Advanced Biofuels USA In the News



“If the amount of land converted to sprawling industrial, commercial and residential development from 1982 to 2003 was, instead, planted in energy crops, we would have already achieved significant energy independence. ... If we are going to worry about US land use change effects on greenhouse gas emissions, perhaps we should concentrate on preventing changes that really result in parking lots, pollution and increased vehicle miles traveled rather than on replacement sustainable agricultural practices that benefit carbon capture and recycling.” [Biofuels Digest](#) published, and linked to, [Advanced Biofuels USA’s response](#) to recent Science articles about international indirect land use change. Thanks to Bob Kozak for bringing attention to the land use change from agriculture to residential/commercial/industrial over

the past 20 years or so and the difference that could have meant to our capabilities to be producing advanced biofuels today. READ [MORE](#)

[Biofuels Digest](#) also linked to [Advanced Biofuels USA’s analysis](#) of the EPA CO<sub>2</sub> finding mentioned above.

## Green Racing Page a Big Hit

Visits to the Advanced Biofuels USA website jumped—and stayed up—after we added the green racing page on the site. We are now averaging over 10,000 page views each week with nearly 3000 visitors/week.



## Make Advanced Biofuels USA Your “End of the Year” Charity

As the tax year winds down, and you think of friends, family, neighbors and colleagues who have everything, remember Advanced Biofuels USA. As a 501(c)3 nonprofit organization, your donations are tax deductible.

What better gift for those who are concerned about energy security, the environment and practical economic development in rural areas all over the world? Does your child’s teacher really need another chachka? Or would he or she rather have you support educational projects available to all for free?

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.

Please take a moment to visit the site ([www.AdvancedBiofuelsUSA.org](http://www.AdvancedBiofuelsUSA.org)) and make a



contribution of whatever you can, \$10, \$100, \$1000, \$10,000 or more to keep this site online and up-to-date. Thank you for your generous contribution to promoting the understanding, development and use of advanced biofuels. We cannot do this without YOU!

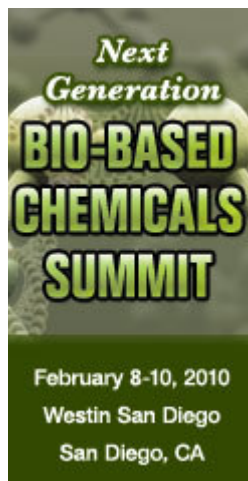
## Volunteer Projects Underway

**K-12 Educational Materials:** **Pete Davey of Olympia, Washington**, continues to gather materials for our K-12 curriculum project. To see an outline of our proposed program, [click here](#). If you are a teacher preparing materials on the carbon cycle, how plants work or other items included in our outline, don't hesitate to call. We'll be happy to share background materials as we move forward on this project.



**Biomass-to-Transportation Advanced Biofuels Workshops:** **Dr. Ritambhara Singh** has taken the lead on developing 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. We hope to collaborate with Penn State University as part of their outreach projects. Penn State has many programs related to developing energy crops for this geologic area, from demonstration plots set up as a living museum of potential energy crops to working with local biorefinery companies to testing methods to reclaim mining land for energy crop cultivation.

Unfortunately, The Energy Foundation denied our application for funds for this project stating that our work is "commendable" and "will add a worthwhile perspective to the transportation policy debate" but somehow doesn't fit the focus of their "grants directed toward state and federal policies that advance vehicle emissions standards and low-carbon fuels." This project certainly fits the vehicle emissions and low-carbon fuels criteria, but, apparently, not the policy angle. If you are interested in funding projects not directed at POLICIES, but at REAL LIFE GETTING THINGS DONE, we'd like to hear from you NOW! Advanced Biofuels USA is a get-it-done kind of organization. We need your help to get real solutions accomplished. 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.



## Advanced Biofuels USA is a Supporting Organization of the Inaugural Next Generation Bio-Based Chemicals Summit and Advanced Biofuels USA NEWS Readers Get Discounted Registration

February 8-10<sup>th</sup>, 2010 ♦ Westin San Diego ♦ San Diego, CA

The era of bio-based chemical products has arrived. Oil prices have risen sharply and may be headed even higher. Chemicals derived from biomass are now getting market share in the \$3 trillion world chemicals industry. Many different types of entities involved with converting biomass into fuels or power are seeing the value proposition in "high value, low volume" chemical co-products. Global chemical strategics are making bets, venture cash is flowing, and government help is available. However, as this new value chain boots up to create an entirely new industry, new relationships must be forged.

To facilitate these new relationships and to capitalize on the success of Infocast's *Cellulosic Biofuels Summit* and *Algae World Summit*, the *Next Generation Bio-Based Chemicals Summit* will be the first event to bring together all the communities needed for this nascent industry to mature. Leaders from global oil and chemical strategics, strategic and venture investors, biotech start-ups, feedstock suppliers/sources, tool vendors, and project developers (algae, biodiesel, ethanol, biobutanol), pulp and paper mills, utilities and manufacturers with CO<sub>2</sub> or organic waste streams will discuss:

What conditions will be required for these cross-sectoral relationships to prosper? How have relationship-building efforts worked in the past, what have been the blockages, what are the successes? What are the wants, needs and perspectives of players across the entire value chain, and what types of deals and relationships are they open to

looking forward?

This unique three day event will allow participants to comprehensively assess the structure, size and growth potential of the new value chain and each of its parts. It will provide the ideal backdrop for participants to meet strategic partners face-to-face and pave the way for future deals. To REGISTER and receive your **BIO discount**, please visit the event website at [www.infocastinc.com/biobased](http://www.infocastinc.com/biobased) or call (818) 888-4444. Be sure to enter discount code **100831** on the on-line registration page or mention this code to Infocast's customer service representative.



### 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](mailto: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.

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](mailto: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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