

New Newsletter Format! News Section features federal legislation, regulation, litigation. Plus Educational Resources. And Advanced Biofuels USA activities.

[View this email in your browser](#)



Advanced Biofuels USA, a nonprofit educational organization, advocates for the adoption of advanced biofuels as an energy security, economic development, military flexibility and climate change solution.



Advanced Biofuels USA Splits Newsletter into Two Parts: Conference Calendar and Events; and News and Happenings



To help you find what you need when you need it, we've introduced a new format for the Advanced Biofuels USA monthly newsletter.

The **Conference Calendar**, a chronological listing of biofuels-related conferences around the world, along with announcements of speaking, presenting and poster opportunities will provide a quick view of events.



This section of the newsletter will also include information about Advanced Biofuels USA's presence at up-coming events.

The **News and Happenings Newsletter (this one)** will provide information about advanced biofuels policy development, recent articles about federal legislation, litigation and regulations; and about Advanced Biofuels USA activities, policy papers, press releases, statements and original articles.



New educational resources will also get the spotlight in this section of the newsletter.

The **Conference Calendar** and **News and Happenings Newsletter** will be archived on our website NEWS page, <http://advancedbiofuelsusa.info/news/>, so you can check back for information at any time.

We hope this will better serve your needs and keep you informed about events, policies, resources and opportunities.

Please let us know what you think about these changes; and suggest others, too. Call 301-644-1395 or send an email to info @ AdvancedBiofuelsUSA.org.



Old Fuel Feedstock and New Together on an Ohio farm.

Happenings on Capitol Hill, at the White House and in Federal Agencies

Latest Federal Legislation Posts



The current US Congress may be characterized as "do nothing," but every so often someone does introduce legislation.

Here are some of our [latest postings](#).

For more legislative news, [click here](#).

We also follow policy developments in the US, other countries and states. For more information on those topics, click on the name of the country or state that appear on the right margin at

www.AdvancedBiofuelsUSA.org

BIO Applauds Bipartisan Legislation That Levels the Playing Field for Renewable Chemicals

August 7, 2015 – 11:09 am | No Comment

(Biotechnology Industry Organization) The Biotechnology Industry Organization (BIO) expresses thanks to Representatives Bill Pascrell (D-N.J.), Mike Fitzpatrick (R-PA), and Richard Neal (D-MA) for introducing, H.R. 3390, which provides renewable chemical producers access to production or ...

Energy Bill Includes Language Benefiting Bioenergy, Algae

August 4, 2015 – 7:25 pm | No Comment

by Erin Voegele (Biomass Magazine) On July 22, the U.S. Senate Committee on Energy & Natural Resources introduced a bipartisan energy bill, titled the "Energy Policy Modernization Act of 2015." ... A summary of the bill ...

Grassley Defends Extending Tax Credits for Renewable Energy

August 3, 2015 – 3:19 pm | No Comment

by James Q. Lynch (Iowa Farmer Today) It's been a big week for renewable fuels, according to Sen. Chuck Grassley after the Senate Finance Committee voted 23-3 to approve extending tax credits for wind

energy, ...

[Sensenbrenner Bill Would Limit Biofuel Blends](#)

July 29, 2015 – 4:49 pm | No Comment

(Wisconsin Ag Connection) Wisconsin Congressman Jim Sensenbrenner introduced legislation this week that requires the Environmental Protection Agency to limit the volume of cellulosic biofuel to be blended into the nation's fuel supply to what is ...

[Algae Biomass Organization Applauds U.S. Reps. Peters and Salmon for Bi-Partisan](#)

[House Bill to Increase R&D Funding for Carbon Capture & Utilization](#)

July 29, 2015 – 4:26 pm | No Comment

(Algae Biomass Organization) The Algae Biomass Organization, the trade association for the algae industry, applauded U.S. Reps. Scott Peters (D-CA) and Matt Salmon (R-AZ) for introducing a bill designed to amend the Energy Policy Act ...

[Algae Biomass Organization Hails Carbon Utilization Language in Senate Energy Legislation](#)

July 28, 2015 – 2:22 pm | No Comment

(Algae Biomass Organization) Latest bill to encourage using carbon dioxide as a feedstock for valuable products — The Algae Biomass Organization, the trade association for the algae industry, hailed language included in the energy reform package ...

[READ MORE](#)

Latest Federal Regulation Posts



The Environmental Protection Agency, the Renewable Fuel Standard and renewable volume obligations are still getting plenty of attention, even though the final rule is not expected until November. Here are some of our [latest postings](#).

Others you'll find in our 2016 Campaign coverage.

[Shedding Light on U.S. Biofuels: The 'Food versus Fuel' Debate](#)

August 17, 2015 – 5:03 pm | No Comment

by Stephanie Mercier (Ag Web) The U.S. biofuels sector marks its birth back in 1979, when Congress established a blender's credit for ethanol as the earliest piece of federal biofuel policy as part of the Energy

[RFA Asks EPA to Provide Relief to Midwest Consumers in Wake of Refinery Outage](#)

August 17, 2015 – 4:12 pm | No Comment

(Renewable Fuels Association) Renewable Fuels Association President and CEO Bob Dinneen issued the following statement in response to the shutdown of the BP 240,000-barrels-per-day refinery in Whiting, Indiana, which has caused gasoline prices to spike ...

[EPA's 'MOVES' Could Cripple Higher Ethanol Blends](#)

August 17, 2015 – 3:42 pm | No Comment

by Dave VanderGriend (Ethanol Producer Magazine/ICM/Urban Air Initiative) ... The RFS is very important to our industry, but focusing on it alone, has caused us to take our eye off the dealer. The down card trumps everything ...

[EPA's Plan Puts 1MM Cars-Worth of Emissions Back on the Road: Report](#)

August 14, 2015 – 9:53 am | No Comment

by Jim Lane (Biofuels Digest) A proposal by the U.S. Environmental Protection Agency to change ethanol

blending rules would significantly increase carbon emissions to the equivalent of adding nearly one million more passenger vehicles on ...

Role of Biomass Not Yet Finalized in EPA's Clean Power Plan – But Signs Are Promising

August 10, 2015 – 7:01 pm | No Comment

(Environmental and Energy Study Institute) ... The Framework for Assessing Biogenic CO2 Emissions from Stationary Sources, which will codify how power generation with low-carbon biomass can be used as a compliance mechanism for the Plan, has ...

Viewpoint: Why the EPA Must Move forward with Biofuels

August 6, 2015 – 11:13 am | No Comment

by Richard Childress (Charlotte Observer) As a former NASCAR driver and current team owner, I know a thing or two about engines, performance and fuel. My team's success depends on using the best technology to ...

[READ MORE](#)

Latest Federal Litigation Posts



Federal litigation attracted a lot of attention recently. Here are some articles posted on the Advanced Biofuels USA website.

Although the MOVES litigation doesn't get highlighted often, as Dave VanderGriend explains, an enormous cascade of consequences depends on the outcome.

Follow the links to the original posts to access the full articles. Find more items about federal litigation on our website [here](#).

EPA's 'MOVES' Could Cripple Higher Ethanol Blends

August 17, 2015 – 3:42 pm | No Comment

by Dave VanderGriend (Ethanol Producer Magazine/ICM/Urban Air Initiative) ... The RFS is very important to our industry, but focusing on it alone, has caused us to take our eye off the dealer. The down card trumps everything ...

Two Men Sentenced and Another Pleads Guilty in Las Vegas in International

Biofuels Fraud Scheme

August 7, 2015 – 10:53 am | No Comment

(US Federal Bureau of Investigation) James Jariv, 64, of Las Vegas, Nevada, was sentenced in federal court in Las Vegas today to ten years in prison for his role in illegal schemes to generate fraudulent ...

Gevo's Losses Narrow, Revenue up 15% as Courts Issue Favorable Ruling in

Betamax vs Gevo Patent Cases

August 5, 2015 – 1:08 pm | No Comment

by Jim Lane (Biofuels Digest) ... The increase in revenue during 2015 is primarily a result of the production and sale of approximately \$8.0 million of ethanol, isobutanol and distiller's grains at the Luverne plant. Hydrocarbon ...

Industry's Withering Critique of EPA's Renewable Fuel Standard Proposals for 2014,

2015, 2016: The Digested Version

July 31, 2015 – 2:25 pm | No Comment

by Jim Lane (Biofuels Digest) Heard dire comments like “POET expects to stop all future U.S. cellulosic investments if EPA’s proposed base renewable fuel requirements are not strengthened.” Want to understand the substantive concerns on ...

RFS Deadline Nears / Move to Expand Biodiesel Questioned

July 27, 2015 – 3:03 pm | No Comment

by Todd Nealey (DTN/The Progressive Farmer) ... Both biofuels and oil industry officials offered hints as to the direction potential lawsuits could take once EPA finalizes the rule that would provide a bump to biomass-based diesel ...

[READ MORE](#)

Original Articles!

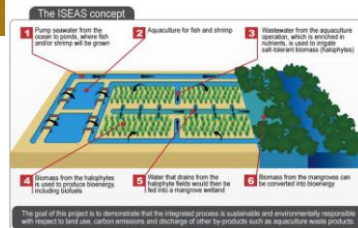
Stefaniya Becking Reports from Montreal on Promising Projects: A Report from BIO’s World Congress on Industrial Biotechnology 2015



More than 1,300 delegates from 45 countries attended this event that was organized by the Biotechnology Industry Organization and took place on July 19-22, 2015. Speakers covered a wide range of topics related to advanced biofuels, bio-based products and genomics research.

Advanced Biofuels USA correspondent, Stefaniya Becking (center in photo with, to her left, Ignas Caryn (Director of Innovation at KLM), and Luuk A.M. van der Wielen (Professor at Delft University of Technology)) focused on three presentations related to advanced biofuels and related bioproduct development: the Integrated Seawater Energy and Agriculture System (ISEAS) at Masdar City; Performance BioFilaments' Auto Industry Plastic Reinforcement from Wood Cellulose; and KLM's Plans for Using Renewable Jet Fuel. Read the complete article, including selected slides, [here](#).

[READ MORE](#)



Osaretin Omorodion Covered Westar Trade Resources Webinar, Prioritizing the Bioeconomy: Observations on USDA’s 9003 Loan Guarantee Program



Osaretin Omorodion brings her degree and interest in biology and environmental science to serve as an occasional correspondent for Advanced Biofuels USA, most recently covering a webinar about USDA's Loan Guarantee Program.

She reports that the program emphasized that investing in biorefineries and manufacturing facilities will add jobs and improve the economy of rural America and help farmers match the consumer demands in urban and suburban areas. Additionally, they focused on how USDA intends loan guarantees to diversify the national economy. [READ MORE](#)

More Educational Resources

Online and In-Person--University of Vermont Expands BioEnergy – Biomass to Biofuels Courses — September 18-December 9, 2015



This unique course is open to degree and non-degree seeking students (any background or department), farmers, budding entrepreneurs, teachers (interested in developing curriculum, or projects at school or college levels) and others.

UVM's Bioenergy Professional Certificate is a great opportunity to understand our current energy issues, as well as explore new clean-energy solutions to improve the health of our environment.

The mission of this program is to provide hands-on instruction in all possible bioenergy areas outlined below, support generation of related skilled workforce and stimulate bioenergy production :

- * LIQUID BIOFUELS (transportation fuels; home-heating oil; biodiesel from oil seeds & waste vegetable oil; ethanol; algae-biofuel);
 - * SOLID BIOFUELS (woody biomass; grass energy);
 - * BIOGAS & BIO-ELECTRICITY(the farm-based energy)
 - * BIOHEAT (heat capture from biomass e.g. compost)
 - * BIOFUELS RELATED ENVIRONMENTAL, ECONOMIC, SOCIAL ISSUES
 - * OTHER wide-range of Biofuels related science & technology topics, background & literature. [READ MORE](#) and [MORE](#) and [MORE](#)
-

US Department of Energy Publishes Coloring and Activity Book



The Coloring and Activity Book was developed by Bioenergy Technologies Office (BETO) as part of its OPERATION BioenergizeME initiative. It is designed for children as a fun learning tool to inform them about bioenergy and raise their awareness of alternative fuel sources and renewable energy. BioenergizeME is an education and workforce development base camp for students and educators and anyone seeking to better understand the promises and challenges in developing a thriving bioeconomy.

The National Science Teachers Association featured it in their summer newsletters as part of the Science Teacher's Grab Bag! Download your copy today in English or Spanish.

[beto_coloring_activity_book.pdf](#)

[beto_coloring_activity_book_spanish_version.pdf](#)

[READ MORE](#)

Suggestions from Dustin Homan, Program Director for the 4-H Youth Development at Ohio State's Extension Office, for 4-H and FFA



Students

At a recent OBIC meeting, Dustin Homan described his work with 4-H. Below are some links he provided that have educational materials for 4-H and FFA audiences related to biofuels and bioproducts. These activities are free and available for download.

- Ohio 4-H STEM Pathways

Challenges: <http://www.ohio4h.org/statewide-programs/4-h-science/stem-pathways/challenges>

- The "Corny Polymer Balls" and "Natural Glue" activities are specifically related to bioproducts and OBIC helped to craft them. The "Glucose Detective" activity could be adapted to use as a biofuel activity where youth test the sugar content of food products for use in biofuels rather than applying it towards diabetes.
- Ohio 4-H Cloverbud's Bioenergy and Bioproducts curriculum (geared towards elementary-aged youth): <http://www.ohio4h.org/volunteers/cloverbud-leaders/curriculum>

- 4-H



○ Scroll

to the bottom of the page.

AgriScience Biotechnology
Activities: [http://www.4-h.org/resource-](http://www.4-h.org/resource-library/curriculum/agriscience/biotechnology-activities/)

[library/curriculum/agriscience/biotechnology-activities/](http://www.4-h.org/resource-library/curriculum/agriscience/biotechnology-activities/)

- Many of these activities were written by Carol Warkentien and Jeanne Gogolski who also run the GrowNextGen and Feed the World websites (see below).
- Utah 4-H Discover 4-H Planet Energy Clubs
curriculum: <http://utah4h.org/hm/discover4hclubs/discover-4-h-planet-energy-clubs/>
 - This may be a bit outside of the topics you are hoping to post, but take a look.
- GrowNextGen: <http://grownextgen.org/>
 - Funded by the Ohio Soybean Council and designed specifically as a hub for educators. You can connect with industry leaders, download curriculum, watch career videos, and engage in e-learning courses related to biofuels and bioproducts.
- Feed the World – Ohio Corn Education: <http://ohiocorneducation.org/curriculum/>
 - Funded by the Ohio Corn Marketing Program; check out the curriculum topic of “Energy and ethanol.”
- OBIC’s Education and Outreach: <http://bioproducts.osu.edu/bioproducts-education-and-outreach>

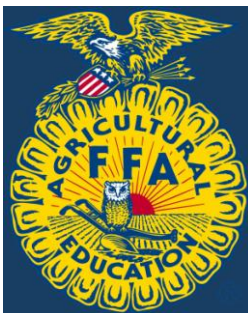


A new curriculum was created to strengthen Ohio State's 4-H STEM effort.

This new web-based resource was designed to help the next generation of leaders develop an awareness and

appreciation for a sustainable energy future. It is leader-directed curriculum, targeting 4-H Cloverbuds (K-2) and youth through 5th grade. It was created through Ohio's 4-H Youth Development program and the Ohio BioProducts Innovation

Center (OBIC). The material consists of three bioenergy curriculum pieces in the content areas of 1) bioenergy sources, 2) bioenergy conversion, and 3) bioproducts.



Each curriculum piece contains about nine educational activities. Ohio State University Extension's 4-H Cloverbud program is designed to meet the developmentally appropriate needs of children ages 5

to 8, or in kindergarten through the second grade. However, this curriculum is recommended for youth through fifth grade. The Cloverbud youth development program emphasizes overall well-being by empowering young children with successful learning and positive social interaction through cooperative learning in non-competitive environments.



The curriculum was developed with support from the Northeast Regional Sun Grant Initiative, with a grant from the U.S. Department of Transportation: US DOT Assistance #DTOS59-07-G-00052.

Advanced Biofuels USA welcomes more examples of educational resources related to biofuels and advanced biofuels. Check out what we have so far in our Educational Resources pages, categories and tags. Here's a start. [For Teachers page](#)

Let's Talk About It: Biofuels — 2015 Summer Mondays: July 27 and August 31 — Frederick, MD



Advanced Biofuels USA executive director, **Joanne Ivancic**, will present a 3-part discussion series based on selected scholarly readings, at the Frederick County Public Library in Frederick, Maryland. If you missed part one in June, don't worry. A quick review will start the July and August sessions.

Open to the public, and part of the library's "Let's Talk about It" series, the guided discussion will cover questions like: What are Biofuels? How do we make them? How do we use them? Are they a good idea? Will they really help us transition to renewables from fossil fuels? What about sustainability?

They will explore feedstock options, learn about conversion technologies and discuss current local, regional, federal and international policy initiatives.

Ivancic will include information about various STEAM (Science, Technology, Engineering, Agriculture, Math) jobs and careers available to those interested in renewable fuels. Her presentation, along with the outline and suggested readings, is available online in the Biofuels Basics section of the Advanced Biofuels USA website. [READ MORE](#)

Is this information useful to you?

Help Us Continue to Provide Outstanding Service. Please DONATE!



Advanced Biofuels USA relies on Individual Contributions, Corporate Donations, In-Kind Donations and the Work of Many Volunteers to enable this organization to promote the understanding, development and use of advanced biofuels and to inspire action.

You can now make a secure donation to Advanced Biofuels USA via PayPal by clicking on the "[Donate](#)" button above. It's quick, easy and safe. Make it a year-long gift by making monthly installments automatically.

You can make your gift in memory or in honor of someone special. Just let us know. Call (301-644-1395) or send an email: info@AdvancedBiofuelsUSA.org. We'll send a special card acknowledging your gift.

Don't let this opportunity slip away! Thank you for your support.

You have received this newsletter because you indicated to us an interest in Advanced Biofuels USA. We hope you find it useful. If you want to stop receiving these occasional newsletters, just follow the instructions below.

Copyright © 2015 Advanced Biofuels USA, All rights reserved.

You are receiving this email because you opted in at our website or expressed an interest to us in joining our email list.

Our mailing address is:

Advanced Biofuels USA
507 North Bentz Street
Frederick, MD 21701

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)