

Federal legislation, regulation, litigation. Scholarships and Competitions. Plus Educational Resources. And Advanced Biofuels USA activities.

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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.



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Light at the End of the Tunnel. Sometimes it feels like all is darkness and there's no hope; that the world is against us and no good deed goes unpunished. So, in the winters of despair and discouragement, look hard and see that light at the end of the tunnel, know that the sun will return, somewhere the trees will blossom, the rivers will flow, that invisible carbon will find new life and become visible again; and that your hard work, caring and perseverance has value, even if you can't see it right away. Just as this great engineering feat, the [Paw Paw Tunnel](#) on the C&O Canal, so peaceful now, suffered violence, financial difficulties and delays due to underestimates of its difficulty.

Reminder - Advanced Biofuels USA Split Newsletter into Two Parts: Conference Calendar, which is sent separately; and News and Happenings--this one. All can be found archived on our [NEWS page](#).

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

New Tags: [2016 US Presidential Campaign](#) and [2016 US House and Senate Campaigns](#)

**ELECTION
2016**

To help **you** make sustainable renewable transportation fuels part of the conversations of the 2016 campaigns, Advanced Biofuels USA is following comments by candidates as the presidential and Congressional campaign season gets underway. Click on these tags to keep in touch with the latest: [2016 US Presidential Campaign](#) and [2016 US House and Senate Campaigns](#). To find tags on *our website*, just scroll down to the bottom of the right margin.

Latest Federal Legislation Posts



We follow proposed and actual federal legislation. Here are some key stories. 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 appears along the right margin of our website at www.AdvancedBiofuelsUSA.org.

[The Candidates and Media Are Getting the Iowa Ethanol Debate All Wrong](#)

January 15, 2016 – 12:20 pm | [No Comment](#)

by Michelle Ye Hee Lee (Washington Post Fact Checker) ... The Fact Checker will explore an important distinction in the rhetoric over the ethanol mandate that has been mischaracterized by politicians, including Cruz, and even members of ...

[Anti-Cruz Campaign Could Backfire on Ethanol, Backer Says](#)

January 14, 2016 – 8:21 pm | [No Comment](#)

by Philip Brasher (Agri-Pulse) The ethanol industry risks losing its long-standing political clout in presidential elections if Texas Sen. Ted Cruz wins the Iowa caucuses despite the industry's attacks on him, says Iowa Rep. Steve ...

[Pushmi-Pullyu: How Do Carbon Prices and Fuel Mandates Work Together in Breaking through a Fossil Fuel Monopoly? Or,](#)

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January 12, 2016 – 10:54 am | [No Comment](#)

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[Consumer Rebate: Legislation Puts Price on Carbon](#)

January 11, 2016 – 6:39 pm | [No Comment](#)

by Barbara Vergetis Lundin (SmartGridNews.com) ... "... My Consumers REBATE Act takes the revenue generated from pricing carbon over time and puts it in the hands of consumers to empower individuals to become more efficient in ...

[Bill Aims for Long-Term Extension of Renewable Energy Tax Credits](#)

January 11, 2016 – 6:08 pm | [No Comment](#)

by Erin Voegelé (Ethanol Producer Magazine) In mid-December, Sen. Bernie Sanders, I-Vt., who is seeking the democratic presidential nomination, introduced legislation that aims to enact long-term extensions of several clean energy tax credits that benefit ...

[Ethanol Industry Reacts to API Criticism of RFS](#)

January 11, 2016 – 5:17 pm | [No Comment](#)

by Erin Voegele (Ethanol Producer Magazine) ... Renewable Fuels Association President and CEO Bob Dinneen has spoken out to reject (American Petroleum Institute President and CEO Jack) Gerard's claims. "I'm not sure what reality Jack is ...

[Obama Signs Spending Bill, Tax Extenders Legislation](#)

December 30, 2015 – 7:32 pm | [No Comment](#)

by Erin Voegele (Biodiesel Magazine) On Dec. 18, President Obama signed a \$1.1 trillion spending bill and accompanying legislative package of tax extenders into law. The legislation includes two-year extensions of several tax credits that ...

[ACE: Restored Tax Credit to Increase Availability of E85](#)

December 28, 2015 – 6:12 pm | [No Comment](#)

(American Coalition for Ethanol/Ethanol Producer Magazine) Bipartisan congressional approval of recent legislation restoring tax credits for retail fuel station owners who buy equipment to offer alternative fuels could further increase availability of E85 and profitability ...

[17 Answers for Your Burning Questions about Biofuels, Renewable Chemicals, Biomass and More.](#)

December 28, 2015 – 1:10 pm | [No Comment](#)

by Jim Lane (Biofuels Digest) Q. We've heard a lot about carbon capture, but what about carbon capture and conversion (to a more soluble, transportable and storable form), for example conversion to bicarbonate?
A. To date, ...

[Omnibus Funding and Tax Extenders Legislation Includes Important Extensions for Renewable Energy Projects](#)

December 23, 2015 – 7:29 pm | [No Comment](#)

by Mark J. Riedy and Heather L. Preston (Kilpatrick Townsend) On December 18, Congress passed and the President signed into law the "Consolidated Appropriations Act, 2016" and the "Protecting Americans from Tax Hikes (PATH) Act ...

[TSCA Reform: Detailed Summary of Key Changes in Frank R. Lautenberg Chemical Safety for the 21st Century Act \(S. 697\)](#)

[as Compared with S. 697 Passed by Senate EPW in June](#)

December 22, 2015 – 1:52 pm | [No Comment](#)

(Bergeson & Campbell) This analysis reviews the Frank R. Lautenberg Chemical Safety for the 21st Century Act (S. 697) as passed by the Senate on December 17, 2015, and compares it to the previous version ...

[In Santa's Stocking: 3 Big Wins for Renewable Fuels, Feedstocks](#)

December 21, 2015 – 12:20 pm | [No Comment](#)

by Jim Lane (Biofuels Digest) \$1 biodiesel tax credit extended through 2016, and much more.
In Washington, lawmakers in the U.S. House and Senate passed legislation for retroactive reinstatement of the \$1 per gallon biodiesel mixture ...

[Lifting the U.S. Crude Export Ban: Impact on Oil, Biofuels, Wind & Solar & the Evolution of the U.S. Energy Landscape](#)

December 18, 2015 – 4:54 pm | [No Comment](#)

(Genscape) Now in the hands of president Obama for final sign off, the budget deal that could end the 1975 oil export ban, could also extend investment and Production Tax Credits (ITC and PTC) that ...

[US Senate Passes TSCA Reform](#)

December 18, 2015 – 11:06 am | [No Comment](#)

by Gayle S. Putrich (Plastics News) The U.S. Senate on Thursday passed a bill that would update a decades-old law regulating chemical manufacture, transportation and use, after weeks of waiting under a hold focused on unrelated ...

Latest Federal Regulation Posts



The Renewable Fuel Standard never goes out of fashion with the biofuels and transportation energy crowd.

Of significant importance are articles about what happens with the RFS after 2022. Congress legislated specific amounts of renewable fuel it wanted to see in the transportation fuels markets up to 2022. After that, it left instructions for EPA to determine the pace of the transition to renewable fuels. Which, as some have observed, could theoretically be to stop advances or even reverse progress.

Others see promise in transitioning to cleaner, less toxic, more efficient fuels and engines.

And methane leaks, although unrelated to liquid transportation biofuels, have brought attention to some of the environmental weaknesses of transitioning to fossil fuel generated electricity as a clean transportation solution.

Here are some of our [latest postings](#). Others you'll find in the [Federal Regulations](#) category.

[New White Paper Identifies Opportunities for Increased Ethanol Demand: Growing Beyond the RFS Keys on Regulatory](#)

[Relief](#)

January 18, 2016 – 1:20 pm | [No Comment](#)

(Ethanol Across America) Despite the effectiveness of the Renewable Fuel Standard (RFS) in providing an entry ramp to the fuel market, the potential for corn ethanol to contribute to meeting a range of public policy ...

[Greens: Gas Developers Aren't Telling Investors of Methane Leaks](#)

January 17, 2016 – 3:14 pm | [No Comment](#)

by Devin Henry (The Hill) Natural gas developers are providing very restricted information about their methane emissions to investors, according to a report released Monday by a green group. According to an Environmental Defense Fund (EDF) analysis, ...

[Ethanol, RFS Are Points of Contention in Ag States](#)

January 15, 2016 – 1:22 pm | [No Comment](#)

by Gene Lucht (Iowa Farmer Today) A pair of volunteers holds up a sign near a rally for Republican presidential candidate Ted Cruz. It says "I'm caucusing for ethanol in 2016." The message is clear. Ethanol supporters ...

[Questioning The Final RFS Rule, Part 2: The Meaning Of The Word 'Supply'](#)

January 15, 2016 – 1:15 pm | [No Comment](#)

by Jonathan Coppess (Farms.com/Department of Agricultural and Consumer Economics, University of Illinois) This article looks specifically at EPA's interpretation of the word 'supply' in the waiver provision 'inadequate domestic supply' and what Congress intended it to ...

[The Candidates and Media Are Getting the Iowa Ethanol Debate All Wrong](#)

January 15, 2016 – 12:20 pm | [No Comment](#)

by Michelle Ye Hee Lee (Washington Post Fact Checker) ... The Fact Checker will explore an important distinction in the rhetoric over the ethanol mandate that has been mischaracterized by politicians, including Cruz, and even members of ...

[American Fuel & Petrochemical Manufacturers Files Motion to Intervene in Ethanol Industry Lawsuit](#)

January 15, 2016 – 11:55 am | [No Comment](#)

(American Fuel & Petrochemical Manufacturers) American Fuel & Petrochemical Manufacturers (AFPM) President Chet Thompson announces the association's decision to intervene in the lawsuit brought by the ethanol industry against the Environmental Protection Agency's (EPA) use ...

[Invisible Disaster of Aliso Canyon Leak May Give Methane Rules Momentum](#)

January 15, 2016 – 11:11 am | [No Comment](#)

by Eric Wolff (Politico Morning Energy) The massive methane spill at the Aliso Canyon storage field has pumped out at least 77,500 metric tons of gas since Oct. 23, and it will be months before ...

[Anti-Cruz Campaign Could Backfire on Ethanol, Backer Says](#)

January 14, 2016 – 8:21 pm | [No Comment](#)

by Philip Brasher (Agri-Pulse) The ethanol industry risks losing its long-standing political clout in presidential elections if Texas Sen. Ted Cruz wins the Iowa caucuses despite the industry's attacks on him, says Iowa Rep. Steve ...

[RFA Comments on DOE's Innovative "Optima" Program](#)

January 14, 2016 – 7:54 pm | [No Comment](#)

by Joanna Schroeder (DomesticFuel.com) The Office of Energy Efficiency & Renewable Energy (EERE) had a call for information on Co-Optimization of Fuels and Engines (Optima). The Renewable Fuels Association (RFA) submitted comments stating that the Association ...

[CORRECTED: Cruz Still Favors Slashing Ethanol Mandate Every Year for Five Years](#)

January 14, 2016 – 6:55 pm | [No Comment](#)

by Timothy P. Carney (Washington Examiner) With some hasty blogging — and exacerbated by an Iowan's mistaken assertion about the ethanol mandate, Ted Cruz's shrewd answering, and the ethanol lobby's odd response — I contributed ...

[Biodiesel Opportunities Abroad](#)

January 13, 2016 – 7:35 pm | [No Comment](#)

by Ron Kotrba (Biodiesel Magazine) Several U.S. producers, including Genuine Bio-Fuel, Hero BX and the now-defunct Promethean Biofuels, in addition to Miami-based biodiesel exporter and hopeful technology provider Lagosur, sketch out overviews of international developments.

...

"Taxation, ...

[New Biofuels Could Cut Emissions and Preserve Land Used to Grow Food](#)

January 13, 2016 – 11:31 am | [No Comment](#)

by Nathan Collins (Pacific Standard) Researchers combine ecological and economic models to examine the benefits of growing grass as fuel. — ... Fortunately, corn isn't the only source of ethanol—in particular, there are perennial grasses like ...

[Obama, with No Elections Left to Lose, Drops Mention of Fossil Fuels](#)

January 13, 2016 – 11:07 am | [No Comment](#)

by Eric Wolff (Politico Morning Energy) President Obama's final State of the Union address made no mention of an "all of the above" energy policy, nor of natural gas or fracking, and it only mentioned ...

[Defour Group and Transportation Fuel Consulting Post Responses to DOE Request Regarding Co-Optimization of Fuels and](#)

[Engines](#)

January 12, 2016 – 7:39 pm | [No Comment](#)

(Defour Group/Transportation Fuels Consulting) Dean Drake of the Defour Group LLC (D4) and Gary Herwick of Transportation Fuels Consulting (TFC) have submitted comments to the U.S. Department of Energy's Request for Information about co-optimization of fuels ...

[Economist: Blend Wall Debate Might Help Sluggish Crop Prices](#)

January 12, 2016 – 1:11 pm | [No Comment](#)

by Nat Williams (The Southern News Services) ...The reasons include the Great Recession and falling gasoline prices, among a few other things.

At issue is the federal mandate for ethanol inclusion as a component of motor ...

[Pushmi-Pullyu: How Do Carbon Prices and Fuel Mandates Work Together in Breaking through a Fossil Fuel Monopoly? Or,](#)

[Do They?](#)

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by Erin Voegele (Ethanol Producer Magazine) ... Renewable Fuels Association President and CEO Bob Dinneen has spoken out to reject (American Petroleum Institute President and CEO Jack) Gerard's claims. "I'm not sure what reality Jack is ...

[Trump's Trump Card in Iowa?](#)

January 11, 2016 – 2:55 pm | [No Comment](#)

by Devin Henry (The Hill) Donald Trump is an unabashed backer of federal support for ethanol, a popular issue in Iowa that could provide the GOP front-runner with an effective closing argument against Sen. Ted Cruz ...

[Facing U.S. Storm, VW Set for Easier Ride in Europe on Emissions Scandal](#)

January 11, 2016 – 12:38 pm | [No Comment](#)

by Barbara Lewis and Kirstin Ridley (Reuters) Volkswagen (VOWG_p.DE) is unlikely to face U.S.-style fines in Europe over its emissions scandal because of a softer regulatory regime and its home country Germany's determination to protect its ...

[UPDATE 1-Groups Kick off Legal Challenge to U.S. Biofuels Standard](#)

January 11, 2016 – 11:02 am | [No Comment](#)

by Chris Prentice (Reuters) Jan 8 Seven biofuel and agriculture groups have asked a U.S. court to a review the U.S. Renewable Fuel Standards for 2014, 2015, and 2016, according to a court filing on ...

['When Ethanol Attacks,' Starring Ted Cruz](#)

January 8, 2016 – 2:27 pm | [No Comment](#)

by David Weigel (The Washington Post) (Wednesday, January 6, 2016) 11:45 a.m. ... "Because of this EPA wall, the market is currently dominated by low-level ethanol blends, such as 'E10' (10 percent ethanol and 90 percent gasoline)," ...

[United States Files Complaint Against Volkswagen, Audi and Porsche for Alleged Clean Air Act Violations](#)

January 4, 2016 – 2:47 pm | [No Comment](#)

(U.S. Department of Justice) The Department of Justice, on behalf of the Environmental Protection Agency (EPA), today filed a civil complaint in federal court in Detroit, Michigan, against Volkswagen AG, Audi AG, Volkswagen Group of ...

[IFES 2015: The Outlook for Conventional Biofuels Is Brighter than You Think](#)

January 4, 2016 – 1:52 pm | [No Comment](#)

by Scott Irwin (FarmDocDaily) This is a presentation summary from the 2015 Illinois Farm Economics Summit (IFES) which occurred December 14-18, 2015. A complete collection of presentations including PowerPoint Slides (PPT) and printable summaries (PDF) ...

[Aemetis Shares Jump 52% in One Day](#)

January 4, 2016 – 12:37 pm | [No Comment](#)

by Jim Lane (Biofuels Digest) In California, investors were pleasantly shocked when shares in Aemetis traded up 52% last Thursday. What exactly is happening? In a release, Aemetis credited five factors for the jump: January 1, 2016: ...

[Biofuels as Seen by OPEC: The Digest's 2016 8-Slide Guide to Biofuels in the World Oil Outlook](#)

December 30, 2015 – 7:43 pm | [No Comment](#)

by Jim Lane (Biofuels Digest) In this year's World Oil Outlook, OPEC writes: The prospects for first generation biofuels are constrained by factors such as land use changes, excessive water usage, and the impact on ...

[Paper, Wood Products Manufacturers File Biomass Litigation on CPP](#)

December 30, 2015 – 6:56 pm | [No Comment](#)

(American Forest & Paper Association, American Wood Council/Biomass Magazine) American Forest & Paper Association President and CEO Donna Harman and American Wood Council President and CEO Robert Glowinski have issued the following statements after filing a joint ...

[FTC Finalizes Proposed Labeling Requirements for Ethanol Blends](#)

December 30, 2015 – 1:54 pm | [No Comment](#)

by Erin Voegele (Ethanol Producer Magazine) The Federal Trade Commission has announced final amendments regarding ethanol blends above E10 to its fuel rating rule, which determines the fuel rating that appears on pump labels and ...

[Renewable Accounts: Big News for Biodiesel](#)

December 28, 2015 – 7:47 pm | [No Comment](#)

by David Ripplinger (North Dakota State University) The domestic level of biodiesel use is mandated to increase to 2 billion gallons a year by 2017, double the minimum amount required by the original law. How much ...

[Record Production Propels Industry in Face of EPA Rule](#)

December 28, 2015 – 6:41 pm | [No Comment](#)

by Bob Dinneen (Renewable Fuels Association/Ethanol Producer Magazine) EPA needs to stop micromanaging the RFS—allow the program to work as intended—and the record-setting ethanol industry will continue to perform for American consumers, writes Bob Dinneen. ...

[Capitalizing on Ethanol's Strengths](#)

December 23, 2015 – 1:22 pm | [No Comment](#)

by Brian Jenning (Ethanol Producer Magazine/American Coalition for Ethanol) Each fall the American Coalition for Ethanol brings members together to identify the goals we'll pursue for the coming year. We did a series of listening ...

[The 7 Flying Reindeer: Renewable Fuel Myths that Continue to Defy Gravity](#)

December 23, 2015 – 11:01 am | [No Comment](#)

by Jim Lane (Biofuels Digest) Food vs Fuel, biofuels causing corn planting to skyrocket, low oil prices killing off renewable fuels, the subsidy myth, the emissions myth, the "people won't buy the fuels" myth, and ...

[TSCA Reform: Detailed Summary of Key Changes in Frank R. Lautenberg Chemical Safety for the 21st Century Act \(S. 697\)](#)

[as Compared with S. 697 Passed by Senate EPW in June](#)

December 22, 2015 – 1:52 pm | [No Comment](#)

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[Carson Decries Ethanol Subsidies, Rubio Focuses on Manufacturing](#)

December 18, 2015 – 7:27 pm | [No Comment](#)

(RadioIowa) Republican candidate Ben Carson says he'd like to see all subsidies for the biofuels industry done away with if he wins the White House.

Support for ethanol has become a flash point in the race. On ...

[Iowa Voters Have Given up on Ethanol; Presidential Candidates Are Following Suit](#)

December 18, 2015 – 7:23 pm | [No Comment](#)

by Evan Halper (Los Angeles Times) ... Now that fuel, corn-based ethanol, finds itself threatened with a defection that was once unthinkable: Iowa voters.

The electorate here in the early voting state often defined by its ...

[Cruz Out of Sync on Ethanol with Likely Republican Caucus-Goers in Iowa Poll](#)

December 17, 2015 – 3:04 pm | [No Comment](#)

by John McCormick (Bloomberg Politics) The poll also shows the parochial nature—and potential for hypocrisy—surrounding federal assistance programs — Ted Cruz's position on a requirement that's key to corn-based ethanol runs counter to the views ...

[Cheap Gas Spurs SUV Sales and Puts U.S. Climate Goals at Risk](#)

December 17, 2015 – 12:45 pm | [No Comment](#)

by David Shepardson and Paul Lienert (Reuters) Surging demand for trucks and SUVs fueled by cheap gasoline is holding back improvements in U.S. fuel economy and greenhouse gas emissions, a government report due out on ...

[Federal Agencies Release Update on National Biogas Activities](#)

December 17, 2015 – 12:32 pm | [No Comment](#)

(U.S. Department of Agriculture) In support of the Obama Administration's Climate Action Plan, the U.S. Department of Energy (DOE), the U.S. Environmental Protection Agency (EPA), and U.S. Department of Agriculture (USDA) jointly released the Biogas ...

[Tyner: Decision on RFS Is Statement on Greenhouse Gas Emissions](#)

December 16, 2015 – 2:22 pm | [No Comment](#)

(Farmers' Advance) The U.S. Environmental Protection Agency's final rules on the volume of biofuels that must be produced from 2014 to 2016 continues the current policy thrust that biofuels reduce greenhouse gas emissions compared with ...

[Presidential Hopeful Would Eliminate Ethanol Subsidies](#)

December 15, 2015 – 1:21 pm | [No Comment](#)

by James Q. Lynch (The Gazette/AgriView) Texas Sen. Ted Cruz is defending his energy plan that would terminate federal support for ethanol production, claiming that ending subsidies for all forms of energy would expand the ...

Latest Federal Litigation Posts



Federal litigation news sometimes overlaps with Federal Regulation items. For example, it seems that the VW "defeat device" regulatory cheating will end up in federal court. And issues about the Renewable Fuel Standard are in and out of federal courts, as well.

Here are some recent articles posted on the Advanced Biofuels USA website.

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

[American Fuel & Petrochemical Manufacturers Files Motion to Intervene in Ethanol Industry Lawsuit](#)

January 15, 2016 – 11:55 am | [No Comment](#)

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(American Forest & Paper Association, American Wood Council/Biomass Magazine) American Forest & Paper Association President and CEO Donna Harman and American Wood Council President and CEO Robert Glowinski have issued the following statements after filing a joint ...

[Solazyme Chops Roquette \(again\) in the Great Algae Flour Fight](#)

December 28, 2015 – 12:27 pm | [No Comment](#)

by Jim Lane (Biofuels Digest) ... a judgment for Solazyme and against Roquette, confirming an earlier arbitration award we covered last February in The Great Algae Robbery, here.

...

Just before Christmas, Robinson (Judge Sue Robinson, Federal ...

[Grassley Expects Challenges to EPA's RFS Ruling](#)

December 14, 2015 – 1:48 pm | [No Comment](#)

by Mike Peterson (KMALand) The Environmental Protection Agency faces congressional and legal action following its recent decision on the Renewable Fuel Standard for 2016. That's according to Iowa Senator Charles Grassley, who is among those ...

[EPA's Contradictory Rule Is a Gut Punch to Advanced Biofuels](#)

December 10, 2015 – 11:10 am | [No Comment](#)

by Brent Erickson (Biofuels Digest/Biotechnology Industry Organization) After a painful and damaging two-year delay, the Environmental Protection Agency (EPA) last week published Renewable Fuel Standards (RFS) for 2014, 2015 and 2016. Unfortunately, the agency finalized a ...

Green Racing

[Green Racing Developments from The Roar B4 the Rolex 24 in Daytona](#)



We haven't had much to write about recently with regard to Green Racing. However, **Bob Kozak** traveled to the Daytona International Speedway to get the latest scoop.

Here are some [initial notes and photos](#) from his interviews and observations at the Roar before the Rolex 24. Sometimes it seems like we are racing backwards instead of forwards. (See photo of tunnel above.)

renewable fuel are also using E20 at Le Mans. So that glass is half full.

Plus there are innovations in efficiencies being tested on the track, with driver **Katherine Legge** and new **Ferraris** and **Corvettes**.

Kozak promises to have a more extensive report on just what's in that glass in time for our next newsletter.



There are glass half full or glass half empty perspectives. With sports cars that used to run on cellulosic E85, now using E20 to be consistent with the Le Mans rules, we can see the glass as half empty. However, sports cars that never used any Mans - related races around the world.

aerodynamic design and engine particularly in the **DeltaWing** (pictured **Ford GT** with its flying buttresses, and the

In the meantime, enjoy a [photo gallery](#) of the darlings of this year's race series, particularly the new Ford GT with its **Ecoboost** engine and the car that has charmed even non-race fans, the DeltaWing. [READ MORE](#)

Original Articles!

E85 Retrofit Installation and Use: Topic of New Series



Here at Advanced Biofuels USA we've been banging the drum for E30 for a number of years. Equal fuel mileage, better performance, you know the facts. Well, all that time we never had a Flex Fuel car, either factory built or retrofitted.

This fall we decided to do something about that.

takes to install and use the equipment.



In a series of articles, we will tell from technical and practical viewpoints what it

We'll share stories about the practical aspects of planning a trip around E85 station availability, the personal experience of the increased performance and results of more technical testing. And lessons learned. [Click here](#) to access previous articles about E85 conversions.

Here's the latest:

[E85 Retrofit Project: Getting Started, Choosing a Retrofit Kit](#)

January 18, 2016 – 7:10 pm | [No Comment](#)

by Joanne Ivancic* (Advanced Biofuels USA) Once we decided to go forward with the E85 conversion, Bob Kozak researched options for retrofitting my bright yellow 2002 Ford Focus ZX3. He decided that the kit offered ...



Conference Reports

When volunteer staff and correspondents have the opportunity to represent Advanced Biofuels USA at conferences around the world, we all benefit from their sharing insights and observations from those conferences. Their articles provide access to thoughts and conversations, to interactions, that just aren't able to be communicated by PowerPoints or written and online resources alone.

This month, we have three such articles.

[Modeling Climate Change and its Social Costs](#)



One from **Osaretin Omorodion** who brings her degree and interest in biology and environmental science to serve as an occasional correspondent for Advanced Biofuels USA.

Her article is about a National Academies of Science's assessment of current trends in monitoring climate change as well as the social cost of carbon emissions. The panel she observed also discussed a draft that recommends the U.S amend its Social Carbon Cost figures to accurately reflect data from the Intergovernmental Panel on Climate Change's (IPCC) recent assessment. [READ MORE](#)

[Global Cleantech Summit: Business and Strategies 2015, September 8-10, Helsinki, Finland](#)



The next original story comes from **Maija Sihvonen**, a technical writer and student of energy technology at Aalto University in Helsinki who attended the Global Cleantech Summit 2015. That conference concentrated on international cleantech strategies and business cooperation, including a promising future for biofuels markets.

Being that the conference was held in Helsinki, Finns, proud of their know-how in the biofuel sector, discussed the great expectations they understandably see for the industry. Two major Finnish biofuel manufacturers, Neste and ST1, were represented by several speakers in the conference. Americans, especially Californians, should recognize Neste as the provide of the renewable diesel that is becoming popular at retail outlets in that state, thanks to [Propel Fuels](#). [READ MORE](#)



[Always Something to Learn at the Keystone Farm Show](#)

And **Joanne Ivancic** reports from the exhibit hall and information booth donated by Keystone Farm Show organizers again this year to Advanced Biofuels USA. One of the themes of her experience, along with that of **Peggy Alpert** and **Bob Kozak**

who also staffed the booth, was the expansion of the international equipment presence at the show.



From Jasmin Hofer's Canada-based Energrow booth (pictured) to conversations with representatives of Scandinavian, German, Italian and Polish equipment companies, the Keystone Farm Show presented an opportunity to learn about international business development in the agriculture space. [READ MORE](#)

More Educational Resources

What others are doing

We can't emphasize enough the value of every bit of thoughtful, knowledgeable education about biofuels. Here are some examples.

[Advanced Biofuels Online Course Offered by McGill University and BioFuelNet Canada](#)

January 11, 2016 – 3:13 pm | [No Comment](#)

(BioFuelNet Canada) BioFuelNet Canada, a national research network hosted by McGill University, is offering an online certificate course on advanced biofuels. BioFuelNet strongly recommends that the network's Highly Qualified Personnel (HQP) take this course, but anyone ...

[Sustainable Energy Management Teaching Assistantships](#)

January 4, 2016 – 3:37 pm | [No Comment](#)

The SUNY ESF Department of Forest and Natural Resources Management (FNRM) is seeking qualified students to serve as Teaching Assistants to assist with teaching natural resources policy and law courses. Selected students will be teaching ...

[Students Experiment with Biofuels](#)

December 28, 2015 – 7:18 pm | [No Comment](#)

by Sarah Wright (The Herald Independent) What are biofuels? How can they help us meet our future energy needs while minimizing negative environmental impacts?

With support from the Great Lakes Bioenergy Research Center (GLBRC) at UW-Madison, students ...

[Immersive Algae Education Programs Growing in Popularity](#)

December 21, 2015 – 12:14 pm | [No Comment](#)

(Algae Industry Magazine) Students of algal research, including it's various applications and business models, have increasing opportunities to get quickly up to speed in many aspects of the rapidly developing, somewhat confounding, algae industry. New ...

[School Teaches Farmers to Brew Own Biodiesel](#)

December 16, 2015 – 1:05 pm | [No Comment](#)

(Tennessee State University Newsroom) Farmers are known to be a pretty independent breed, and a school is teaching them to be energy independent by brewing their own biodiesel. This story from RFD-TV says Tennessee State ...

[Create Your Own Biodiesel on Your Farm?](#)

December 14, 2015 – 12:41 pm | [No Comment](#)

(RFD-TV) ... "This is something where they can grow it, and they can make it themselves and they can use it on the farm," says Jason de Koff, an assistant professor in agronomy and soil ...

[If you can help students attend conferences, please do. It's an incredibly valuable experience.](#)

Scholarships and Competitions

[CBMNet Funding Announcements; Includes Undergraduate Vacation Scholarships](#) Various deadlines

December 7, 2015 – 1:55 pm | [No Comment](#)

(Crossing Biological Membranes Network) At CBMNet we foster collaborations between academia and industry to tackle research challenges in Industrial Biotechnology and Bioenergy (IBBE).

We are working to understand the mechanisms by which substances are transported into, ...

[Students, Prep Your Entries for Planet Forward Storyfest 2016!](#) Deadline February 29, 2016

October 27, 2015 – 12:10 pm | [No Comment](#)

(George Washington University) Already dense urban populations are growing. What will tomorrow's smart cities look like? How can they be sustainable? By 2050, nearly 70% of the world's population will be in urban areas, according to ...

[EPA Challenge Aims to Recycle Nutrients from Manure](#)

December 4, 2015 – 5:23 pm | [No Comment](#)

by Erin Voegele (Biomass Magazine) The U.S. EPA has opened a competition for technologies to recycle nutrients from livestock manure on Challenge.gov. The competition is being held in partnership with the USDA. The American Biogas ...

[Biodiesel Business Academy® Biodiesel Essay Scholarship 2016](#)

December 22, 2015 – 3:24 pm | [No Comment](#)

(AltEnergyMag.com/Biodiesel Business Academy) The program is open to any youth who may be studying in schools, college or university or in profession. The program is not limited to only those who are related to different ...

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