

Federal legislation, regulation, litigation, Policy, 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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Where will these fuzzy soybeans find fulfillment? As edamame? As the door or upholstery for a new Ford? High protein meal for animals? Oil for frying (which might eventually end up fueling a jet)? Biodiesel? Renewable diesel? Cosmetics? Holding together particleboard? As a lubricant, solvent, paint or cleaner? Or maybe a candle. So many choices.

**Reminder - Advanced Biofuels USA Split Newsletter into Two Parts: Conference Calendar, which is sent separately; and Policy, Legislation, Regulations and Happenings--this one.** All can be found archived on our [NEWS page](#). Watch for news about new newsletter formats and subscription options coming this fall.

## 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** During the Presidential and Congressional campaign season, Advanced Biofuels USA is following comments by candidates to help **you** make sustainable renewable transportation fuels part of the 2016 campaign conversation. 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.

MAKE YOUR THOUGHTS KNOWN! This is the year members of Congress listen especially well.

### Latest Federal Legislation Posts



We follow proposed and actual federal legislation. Here are some key stories as we head to the final laps of this legislative session.

Key issues? It's the end of the year, so [Biodiesel tax credits](#) are in the mix. Carbon tax, carbon cost, carbon price, are brought up as ways to recognize externalities of fossil fuel and to level the playing field. Advanced Biofuels USA's policy thoughts on that topic are [here](#).

And, ever popular, discussions about revising or repealing the Renewable Fuel Standard.

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](http://www.AdvancedBiofuelsUSA.org).

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### **NATSO Applauds Biodiesel Blenders' Tax Credit Legislation**

(NATSO/PR Newswire) NATSO, the national association representing America's travel plazas and truckstops, today applauded Rep. Diane Black (R-Tenn.) for introducing the "Biodiesel and Renewable Diesel Incentive Extension Act of 2016," (H.R. 5994) that would extend ...

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### **Another Brick in the Blend Wall**

by Anthony Adragna (Politico's Morning Energy) The Renewable Fuels Association, an ethanol producers trade group, is taking out ads in POLITICO, The Hill and Morning Consult opposing a bill that would cap the amount of renewable ...

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### **With More People Hitting the Road, It's Time for a Carbon Tax**

(The Washington Post) ... Even with current conditions factored in, government experts project that fuel-efficiency standards will put much more downward pressure on gasoline use in coming years, helping to bring consumption well below historical highs ...

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### **The Companies of the Biobased Economy: The Multi-Slide Guide**

by Jim Lane (Biofuels Digest) The Biotechnology Innovation Organization has released its new report "Advancing the Biobased Economy: Renewable Chemical Biorefinery Commercialization, Progress, and Market Opportunities, 2016 and Beyond," documenting substantial, ongoing growth in the renewable ...

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### **Landmark Report from BIO Charts \$770B Renewable Chemicals and Materials Market by 2020**

by Jim Lane (Biofuels Digest) In Washington, the Biotechnology Innovation Organization released a landmark report "Advancing the Biobased Economy: Renewable Chemical Biorefinery Commercialization, Progress, and Market Opportunities, 2016 and Beyond," documenting substantial, ongoing growth in the ...

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### **It Is Time to Address RVP**

by Mike Lorenz (Sheetz) Back in 1990, Congress limited the amount of evaporative emissions from vehicle fuel at 9 pounds per square inch (psi) Reid vapor pressure (RVP) in the Clean Air Act. While pure ...

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### **EPA Commits to Meet Statutory RFS Reporting Requirements**

by Erin Voegele (Ethanol Producer Magazine) On Aug. 18, the U.S. EPA Office of Inspector General published a report finding the EPA's Office of Research and Development has not complied with a statutory requirements to ...

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### **Ned Bowman: Common Sense Renewable Fuel Legislation Is at the Forefront**

by Ned Bowman (Florida Petroleum Marketers and Convenience Store Association/Florida Politics) ... The RFS was originally intended to decrease greenhouse gas (GHG) emissions, but over time the National Association of Clean Air Agencies discovered that it ...

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## Latest on Federal Regulation



With Donald Trump taking sides in the Big Oil vs Not So Big Oil obligated parties debate, then not taking sides, people who have never heard of the [Renewable Fuel Standard](#) have been introduced to its complexities. As always, discussion of EPA's distribution waiver/[blend wall](#) in determining renewable volume obligations ([RVO](#)) gets attention; as do RINs. And maybe at this time next year [reid vapor pressure \(RVP\)](#) will be something only mechanics, not policy-makers, talk about.

The CAFE standards' mid-term review comments are due at the end of the month. Detailed reminder, courtesy of **Rebecca Chillrud** at EES! The comment period for the midterm evaluation closes on September 26. The draft TAR, at more than 1,200 pages, can be found [here](#), along with an executive summary. Anyone can submit comments, identified by Docket ID No. EPA-HQ-OAR-2015-0827 and/or Docket No. NHTSA-2016-0068, to the Federal eRulemaking Portal: <http://www.regulations.gov>. [READ MORE](#)

The [value of ethanol's octane](#) is relevant to this discussion, with a number of articles to help you organize your thoughts.

And, a few new regulatory items--regulation of [drones](#)/unmanned (unpersoned?? autonomous??) aerial systems--how to regulate? Efficiency of heavy duty vehicles get new regulations, too.

Scroll down for information about regulations related to these topics and others among our [latest postings](#). Others you'll find in the [Federal Regulations](#) category online.

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### [U.S. Congressional Panel to Hold Fuel Rules Hearing](#)

by David Shepardson (Reuters) A congressional panel will hold a hearing on Sept. 22 to look at the fate of U.S. fuel efficiency rules through 2025 amid growing concerns from automakers. An auto trade group representing General ...

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### [Ethanol Blog: Science Improves on Land-Use Change, Biodiesel](#)

by Todd Neeley (DTN-The Progressive Farmer) Purdue University agriculture economics professor Wally Tyner isn't exactly ready to discount the theory of indirect land use change, or ILUC, that has been the bane of biofuels' existence ...

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### [The Digest's 2016 Multi-Slide Guide to Precision Hawk](#)

by Jim Lane (Biofuels Digest) Unmanned aerial vehicles (drones) for agricultural uses. What can you use Aerial Data Analysis for? Says Precision Hawk's Ally Ferguson, quite a lot. Crop health indices, Plant height, Canopy cover, ...

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### [Trump Biofuel Proposals Echo Those of Backer Icahn](#)

by Chris Prentice (Reuters) Republican Presidential candidate Donald Trump on Thursday appeared to weigh into a debate over a controversial U.S. biofuels program with a proposal that would back the position of billionaire investor Carl ...

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### **Pat Toomey, Katie McGinty Joust over Corporations**

by Marc Levy (Associated Press/The Morning Call) Republican U.S. Sen. Pat Toomey and his Democratic challenger Katie McGinty tangled Monday over the use of corn ethanol in motor fuel and post-recession bank regulations as they ...

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### **Survey Shows Suppliers Support for Existing 2025 Federal Light-duty Vehicle Fuel Economy Regulation**

(CALSTART) First-ever fuel economy survey of auto suppliers: 70 percent don't want policymakers to change standards — Tier 1 suppliers want long-term goals, support 2025 targets

Major automotive suppliers see national fuel economy standards as important for ...

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### **Consumers Ability to Choose #E15 Back at the Pumps**

by Joanna Schroeder (Energy.AgWired.com) Consumers will have the choice to purchase E15 at the pump again tomorrow, September 15, 2016. For drivers owning a 2001 or newer vehicle, E15 sales are restricted during summer months ...

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### **7 Governors Ask EPA to Remove RVP Limit on E15**

by Erin Voegele (Ethanol Producer Magazine) On Sept. 13, the governors of Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota and South Dakota sent a letter to EPA Administrator Gina McCarthy asking her to remove the ...

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### **Renewable Fuel Standards Will Help Fight Climate Change**

by Mike Arbige (DuPont/The Mercury News) Letter to Editor: Next to power plants, transportation remains America's largest source of carbon emissions. Electrification will help, but only clean-burning biofuels — like ethanol — can immediately and dramatically ...

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### **Commentary: Are Presidential Hopefuls Ignoring Real Issues of Renewable Fuels?**

by Jacqueline Campos (Fuel Fix/Opportune) ... When it comes to this year's election, renewable fuels continue to be well-supported, but policy mandating the use of those renewable fuels in gasoline remains to be seen.

...

The dilemma is that ...

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### **Pacific Ethanol Receives EPA-Approved Registration for Cellulosic Ethanol Production at Stockton Plant**

(Pacific Ethanol/Globe Newswire) Now generating valuable D3 cellulosic RINs — Expects to produce over one million gallons per year of cellulosic ethanol at Stockton, CA plant — Pacific Ethanol, Inc. (NASDAQ:PEIX), a leading producer and marketer of ...

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### **Don't Fall For Ethanol Spin**

by Bill Delahunt (Coastal Angler) ... There is a lot to like about ethanol. It displaces cancer-causing chemicals in gasoline like benzene. It replaced MTBE, which polluted drinking water throughout the 1990s. Just this year, ExxonMobil was required ...

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### **Ethanol's Important**

by Jay Douthit (Kent County Farm Bureau/My Eastern Shore) To the editor: The Kent County Farm Bureau stands with the Maryland Farm Bureau in support of the National Corn Growers

Association's opposition to the Environmental Protection Agency's proposed ...

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#### **[An Energy Policy Based On Wishful Thinking](#)**

by Robert Rapier (Forbes) ... It would have been one thing if Congress had based the mandates on a fuel that existed commercially. However, they essentially attempted to mandate a nonexistent industry into existence.

Unsurprisingly, economic challenges ...

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#### **[CAFE Standards: What's Biomass Got to Do with It?](#)**

by Rebecca Chillrud (Environmental and Energy Study Institute) On July 18, the Environmental Protection Agency (EPA), the National Highway Traffic Safety Administration (NHTSA) and the California Air Resources Board (CARB) released their Draft Technical Assessment Report ...

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#### **[The Companies of the Biobased Economy: The Multi-Slide Guide](#)**

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#### **[U.S. Refiners Revamp Operations as Renewable Fuel Costs Surge](#)**

by Jarrett Renshaw and Chris Prentice (Reuters/Yahoo! Finance) ... The alternative is for merchant refiners to increase their ability to blend ethanol. PBF Energy is the latest refiner to take this approach.

PBF has asked Delaware regulators ...

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#### **[High-Octane Hopes: Biofuels Want Level Playing Field](#)**

by Todd Neeley (DTN/The Progressive Farmer) With all of the political fights about the role ethanol and other biofuels have in the transportation sector, there is common ground for the ethanol, oil and automobile industries ...

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#### **[Refiner Cuts Costs, Offers Buyouts as Ethanol Credits Rise](#)**

by Barbara J Powell (Bloomberg) ... RINS aren't the real problem for the Philadelphia refinery, Robert Campbell, head of oil products research for London-based Energy Aspects, said in a telephone interview today.

"East Coast refiners are ...

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#### **[FAA Grants PrecisionHawk First Waiver to Fly Drones beyond Line of Sight](#)**

by Lia Reich (PrecisionHawk) Since receiving an experimental airworthiness certificate from the FAA to research operations within extended visual line of sight, PrecisionHawk has proven a safety case to advance its research to include commercial operations ...

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### **Biofuels versus Gasoline: The Emissions Gap Is Widening**

(Environmental and Energy Study Institute) ... Many respected laboratories, agencies, and researchers have used a lifecycle analysis to show that biofuels, particularly advanced biofuels, provide significant carbon benefits compared to gasoline. These benefits have increased in ...

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### **Blog: Competing with Sub \$50 Oil – a Strategy for Biofuels**

by Irshad Ahmed (Lee Enterprises Consulting/Biofuels International) If bioenergy represents a sustainable energy future for the planet, then why must it compete with oil prices to be deemed a feasible energy alternative for the society?

The answer ...

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### **The Oil Industry Is Split over the Renewable Fuel Standard Program**

by Mark Drajem (Bloomberg) ... Now the oil industry itself is split over the RFS, or more specifically how the EPA applies it.

It's no mystery what's inspiring the discord: money.

Refiner CVR Energy, in which billionaire investor Carl ...

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### **Wayne Standardizes Offering for All North American Retail**

(Minnesota Bio-Fuels Association/Wayne Fueling Systems) Wayne Fueling Systems ("Wayne"), a global provider of fuel dispensing, payment, automation, and control technologies for retail and commercial fuel stations announces that all Wayne North American retail fuel dispensers ...

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### **E15 Sales Fall because of RVP**

(Minnesota Bio-Fuels Association) As expected E15 sales in Minnesota fell in June as a result of the EPA-imposed Reid Vapor Pressure (RVP) season, which bars the sale of E15 from June 1 to Sept 15. ...

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### **Welcome to Aviation Biofuels Math Class with Mr. Mercurio**

by Jim Lane (Biofuels Digest) If you were reading BBC's coverage of the aviation biofuels space yesterday, you would have seen the provocative headline:

Wood fuel plan to cut plane CO2 branded as 'pipe dream'

Then would ...

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### **Where's Butanol, or Other Substitutes for Gasoline besides Ethanol?**

by Jim Lane (Biofuels Digest) ... Is there some fundamental reason that the automotive biofuels people haven't shifted to butanol or iso-butanol or some other compound that would be more compatible with gasoline and the present ...

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### **Feature: Could a RINs Market Probe Fuel RFS Reforms?**

by Brian Scheid and Herman Wang (Platts) Growing pressure for a federal probe of the opaque market underpinning the Renewable Fuel Standard could bolster efforts to dramatically reform the landmark biofuels policy.

Earlier this month, billionaire investor ...

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### **EPA Signals It Will Start Looking at Mandating Higher Octane Gasoline**

by Richard Truett (Automotive News) Raising the octane in gasoline — seen as a way to improve fuel economy and reduce emissions in today's high-tech turbocharged, direct-injected engines — looks like it will get some ...

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### **Got octane?**

by Brian Jennings (American Coalition for Ethanol/Ethanol Producer Magazine) It's the Holy Grail for many in the ethanol industry to increase demand for our fuel based on its octane value proposition.

The American Coalition for Ethanol ...

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### **Here's Why We Need to Keep Pressing Ahead on Renewable Fuels**

by John M. Urbanchuk (PennLive/ABF Economics LLP) ... Thanks to the RFS, nearly every drop of gasoline sold now contains at least ten percent renewable fuel, like ethanol, made right here in the United States.

Last year, ...

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### **Another Billionaire Bailout?**

by Brooke Coleman (Bloomberg/Advanced Biofuels Business Council) ... (Carl) Icahn's ask is pretty simple. He wants the EPA to change the rules midstream to relieve his petroleum refining assets of their obligations.

...

The RFS, for its part, ...

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### **Biofuels Worse for Climate Change than Gasoline, U-M Study Says**

by Keith Matheny (Detroit Free Press) The multi-billion-dollar U.S. biofuels industry — promoted and expanded for over a decade by the federal government — may be built on a false assumption, according to a new University ...

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### **Ethanol Credit Spike Divides Gas Stations**

by James Osborne (FuelFix) Now gas station owners say they, too, are losing out after the price of RINs — the credits which refineries must have to prove there is ethanol and other biofuels in

...

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### **Renewable Fuels Deserve a Place at the Pump**

by Jim Talent (The American Spectator) The case for alternative energy done right. — ... No other policy has so effectively undermined the international oil cartel that seeks to profit from our dependence on oil.

Today, ethanol ...

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### **U.S. Rejects Automakers Request to Extend Fuel Comment Deadline**

by David Shepardson (Reuters) U.S. regulators late on Monday denied a request by major automakers to extend the comment period on a key environmental analysis to determine whether government fuel efficiency requirements are feasible through ...

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### **Open the Toolbox to Give Fuel Economy Rules a Chance**

by Doug Durante (The Hill/Clean Fuels Development Coalition) ... The US Department of Energy just last week released a report that confirms the role of high octane and how it would meet automakers' needs for high ...

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### **Ethanol Opportunities and Challenges: A State-by-State Look at Higher Blends**

by Rebecca Chillrud (Environmental and Energy Study Institute) ... Gas stations that offer



higher blends are currently few and far between, but the ACE's "Retailer Roadmap" aims to help change the fuels landscape. The Roadmap analyzes ...

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### **Environmentalist Jerry Jung Wants Ethanol Policy Change**

by Dustin Walsh (Crain's Detroit Business) Jerry Jung, former owner of Michigan CAT and longtime environmentalist, is using his wealth to take down ethanol production. Jung, chairman of the Michigan Colleges Alliance, recently launched RethinkEthanol.com — ...

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### **What Is to Be Done? Farm Crisis in the Making?**

by Bob Krause (Storm Lake Times Letter to Editor) Only 35 years after the 1980s farm crisis, another storm seems to be brewing. Corn production is forecast by USDA to be up 11% from last ...

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### **The RINferno, as It Burns up America's Venture into Advanced Biofuels**

by Jim Lane (Biofuels Digest) ... There's a separate category of RINs for advanced biofuels. These are fuels that have at least a 50% reduction in fossil fuels compared to 2005 baseline gasoline. Overall, to qualify ...

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### **Big Corn Finds Unlikely Allies in US Biofuels Push: Carmakers and Drivers**

by Chris Prentice (Reuters) ... Reuters' analysis of vehicle sales and government data shows that almost a fifth of the vehicles on US roads can safely handle E-15 fuel, a gasoline with 15% ethanol content, or 50% ...

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### **RINferno**

by Jim Lane (Biofuels Digest) Let me see if we got this right. Donald Trump loves the Renewable Fuel Standard — Carl Icahn loves Donald Trump — Therefore, Carl Icahn hates the Renewable Fuel Standard  
With that, ...

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### **CEQ Guidance Addresses Biogenic Emissions from Land Management**

by Erin Voegele (Biomass Magazine) The Council on Environmental Quality, a division of the Executive Office of the President, has issued final guidance on considering greenhouse gas (GHG) emissions and climate change in National Environmental ...

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### **Blog: Simplistic Argument Targets Ethanol. Again**

by Susanne Retka Schill (Ethanol Producer Magazine) A recent column provides some insight into anti-ethanol stances by making a connection between beef prices, the cow herd expansion and restaurant profits, with rather breath-taking simplification. — A ...

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### **Reflections on What Could Have Been**

by Ray Defenbaugh (Urban Air Initiative/Big River Resources/Ethanol Producer Magazine) Ah, summertime ..., and the livin' is easy, as the song says. But if not for the U.S. EPA, it could have been even easier. Easier ...

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### **EPA and DOT Finalize Greenhouse Gas and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles**

(Environmental Protection Agency) Standards address second-largest segment of U.S. transportation in terms of emissions and energy use — The U.S. Environmental Protection

Agency and the Department of Transportation's National Highway Traffic Safety Administration jointly finalized ...

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#### **EPA Should Take Note of New DOE High Octane Fuels Research**

by Tracy King (Renewable Fuels Association) For the past several years, the Department of Energy (DOE) has been quietly researching the benefits of ethanol-based High Octane Fuels (HOF), such as E25, E30 and E40. Now, ...

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#### **Editorial: End Washington's Corn Addiction**

(The Detroit News) The idea ethanol is the transportation fuel of the future never seems to fall out of fashion among certain members of Congress—including Michigan's own Debbie Stabenow. But it's time for this outdated ...

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#### **Letter to Editor: Renewable Resource**

by John Phillips (Daily Press) I am deeply concerned about the EPA's recent decision to alter the original intent of the Renewable Fuel Standard with a reduction to the renewable volume obligation not only because of ...

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#### **Viewpoint: Run on the RINs Bank This Year**

(Argus Media) The bank of carryover RINs used to comply with US renewable fuel mandates faces a draw of nearly 500mn RINs this year to meet a stiff blend requirement of 10.1pc of the country's ...

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#### **RFA: Record Corn, Ethanol Production Underscore Need for RFS**

(Renewable Fuels Association/Ethanol Producer Magazine) America's farmers are poised to harvest a record corn crop this fall and achieve the highest yield per acre in U.S. history, according to U.S. Department of Agriculture estimates released ...

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#### **Letter to Editor: Good Policy**

by Mike Chisam (The Hays Daily News) A recent article in the Hays Daily News, titled "Subsidized madness," makes erroneous claims about the Renewable Fuel Standard and ethanol. The article attacks the RFS by using the ...

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#### **Letter to Editor on RFS**

by Dan Sanders (Windsor Now) ... The RFS has been the driving force behind the development and production of new, cleaner and lower cost fuel options at the pump. The RFS has also been instrumental in ...

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#### **Misguided Energy Mandates Fueling Higher Prices**

by Nicolas Loris (The Heritage Foundation/The Intelligencer) ... President George W. Bush signed the Energy Policy Act of 2005 into law and expanded it in 2007. The RFS, which originated with that act, mandates that refiners mix ...

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#### **Our View: Ethanol: Politics May Change, but Realities Don't**

(Mankato Free Press) Why It Matters: Ethanol as a clean energy has come under criticism but the pollution caused by fossil fuels remains the reality. — ... First, environmentalists complained we were paying farmers too much ...

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### **Moving RFS Obligation Would Cut Biofuel Use, Raise Fuel Prices: NATSO**

by Jeff Barber (OpisNet.com) Shifting the point of obligation under the Renewable Fuel Standard (RFS) from fuel refiners and importers to blenders would reduce competition at the rack and lead to lower renewable fuel use ...

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### **Latest in Federal Litigation**



Federal litigation news sometimes overlaps with Federal Regulation items, so check both sections. Social [cost of carbon](#) gets attention; and, unfortunately, so does [fraud](#).

Find more items about federal litigation on our website, click [here](#).

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### **Murky Biofuel Market Vulnerable to Fraud, Former EPA Cop Warns**

by Jennifer A. Dlouhy (Earth & Water Group/Bloomberg) — A program to boost the use of biofuels in the U.S. has become vulnerable to scams that have bilked victims out of nearly \$1 billion so ...

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### **Biofuels Present Solution to Harmful Airborne Chemicals**

by David Vandergriend (Sacramento Bee) ... But the day-to-day threat facing many communities doesn't come from carbon. It comes from airborne chemicals with less attention-grabbing names like volatile organic compounds, nitrogen oxide, sulfur dioxide, particulate ...

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### **Court Upholds Obama's Social Cost of Carbon Accounting for Federal Regulations**

by Robert Walton (Utility Dive) The Obama Administration has won a significant victory for its use of a social cost metric to determine the impacts of new environmental and efficiency rules, in a unanimous circuit court decision that appeared ...

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### **Court Backs Obama's Climate Change Accounting**

by Timothy Cana (The Hill) A federal appeals court is upholding the Obama administration's accounting of the costs of greenhouse gas emissions as applied to a Department of Energy (DOE) regulation.

In a unanimous decision late ...

## **Advanced Biofuels USA Current Policy Analyses and Suggestions**

*Disappearing Fee on Non-Renewable Carbon Emissions*

On occasion, Advanced Biofuels USA develops policy analyses and suggestions. Over the past year, our focus has been on how to even the playing field among fossil fuels and renewables; how to recognize costs of externalities such as environmental damage; and how to weigh in on conversations about carbon taxes.

One suggestion we have proposed is a fee on the non-renewable portion of transportation fuel; a fee that would NOT apply to the renewable portions of the fuel. We believe this will both create a revenue source for research, development and deployment of renewable fuels AND give market-based incentives for transitioning to renewables.

Most recently, BioFuelNet Canada published a summary of these ideas in their blog post: <http://www.biofuelnet.ca/2016/06/21/disappearing-non-renewable-carbon-user-fee/>

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### ***After the Fall: Rebuilding US Liquid Fuel Production – Invest in Our Land or the Shale Oil Fields?***

Every day that oil prices remain below the approximately \$55/barrel breakeven point to produce US shale oil, the probability of restarting the US shale oil industry with private capital decreases. Not only are oil service industry companies going out of business and laying off well-paid workers (oil well drilling is running at about 29% of the 2014 maximum, 467 versus 1609 rigs), but the industrial infrastructure is closing down as well.

When world oil prices return to levels that would make fracking oil drilling profitable, should the US government pay Wall Street for their bad bets of over \$200 billion while also providing financing to the drillers to restore US liquid fuel production of 2-3 million barrels/day?

Or, should the US invest a small portion of the past debt bailout in a US advanced renewable biofuel industry that would be more sustainable, significantly reduce GHG emissions, and create and retain more jobs than the boom-and-bust US oil industry?

**Robert Kozak** explores three strong arguments for the US to invest in the biobased renewable fuel industry to produce these liquid fuels instead of restarting shale oil production with US taxpayer money. <http://advancedbiofuelsusa.info/after-the-fall-rebuilding-us-liquid-fuel-production-invest-in-our-land-or-the-shale-oil-fields-part-2-of-2/>

## **More Educational Resources**

### ***Presentations for Public Use***



Just a reminder: In the [Biofuels Basics](#) section of the Advanced Biofuels USA website, you can find PowerPoint presentations for use "as is" or as resources for your own slide show.

### ***Scholarships and Competitions***

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### **[NIFA Announces \\$3.1 Million in Available Funding to Train the Next Generation of Agricultural Leaders](#)**

(U.S. Department of Agriculture) The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) today announced the availability of \$3.1 million to train the next generation of agricultural leaders. This funding is ...

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### **[Ciba Travel Awards in Green Chemistry](#)**

This annual green chemistry award sponsors the participation of students—from high school through graduate school—to attend an American Chemical Society (ACS) technical meeting, conference, or training program, having a significant green chemistry or sustainability component. ...

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

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**[The Young African Leaders Initiative \(YALI\)](#)** is a signature effort to invest in the next generation of African leaders. President Obama launched YALI in 2010 to support young African leaders as they spur growth and prosperity, strengthen democratic governance, and enhance peace and security across Africa.

The **[Mandela Washington Fellowship for Young African Leaders](#)** brings 500 dynamic young African leaders, ages 25-35, from across the continent to the United States for 6 weeks of leadership training and mentoring at twenty U.S. universities and colleges in three areas: business and entrepreneurship, civic engagement and public administration. In 2014, the Fellows were also hosted in Washington, D.C. for a three-day Presidential Summit featuring a Town Hall with President Obama. Following their in-depth academic coursework and leadership training, some Fellows remained in the United States to participate in eight-week professional internships with American NGOs, private companies, and governmental offices. Selected from nearly 50,000 applications, participants in the 2014 Mandela Washington Fellowship for Young African Leaders represent the extraordinary promise of an emerging generation of entrepreneurs, activists, and public officials. Upon returning to their home countries, the Fellows have access to professional development opportunities, mentoring, networking and training, and seed funding to support their ideas, businesses, and organizations.

## **Grant Opportunities**

For a list of grant opportunities, [CLICK HERE](#).

## **Help Us Continue to Provide Outstanding**

## Service. Please DONATE!



Advanced Biofuels USA, a 501(c)3 nonprofit educational organization (NOT a trade organization) 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.

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