

February 2015



HIGHLIGHTS

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# India

## Business & Market

### Russia, India to develop a project for chemicals and fuel production

The bilateral scientific exchanges will help the two sides to develop some innovative technologies for getting fuels and chemicals from biomass.

Russian and Indian scientists will team up to develop within a 3-year period a project for a bio-refinery for chemicals and fuel production from biomass and to meet the dwindling reserves of crude oil supplies, representatives of the Institute of Catalysis, Siberian Branch of the Russian Academy of Sciences (RAS), Novosibirsk, Russia, and India's Tamil Nadu Agricultural University (TNAU) said on Monday at a joint news conference in Coimbatore (south of India).

[www.in.rbth.com/economics/2015/01/05/russia\\_india\\_to\\_develop\\_a\\_project\\_for\\_chemicals\\_and\\_fuel\\_production\\_40707.html](http://www.in.rbth.com/economics/2015/01/05/russia_india_to_develop_a_project_for_chemicals_and_fuel_production_40707.html)

### Village shunning stubble burning to get Rs 1 lakh reward

Punjab's Chief Minister Parkash Singh Badal said the state would give Rs 1 lakh as incentive for development to a village if the farmers and others there did not burn paddy straw. A district not witnessing paddy straw burning would get Rs 1 crore as a special grant.

Speaking at a workshop organised by the Union Ministry of Environment, Forest and Climate Change, Central Pollution Control Board and the Punjab Pollution Control Board here today, the CM said he was determined to tackle the problem of air pollution over the next few years.

[www.tribuneindia.com/news/punjab/village-shunning-stubble-burning-to-get-rs-1-lakh-reward/27901.html](http://www.tribuneindia.com/news/punjab/village-shunning-stubble-burning-to-get-rs-1-lakh-reward/27901.html)

### Karnavati club to set up biogas plant

To convert food waste and kitchen waste into biogas, Karnavati club has taken an initiative to set up a 'Floating Type Biogas Plant' in its premises.

The club generates approx. 1200-1500 kgs of waste daily. The plant will generate around 150 cubic metre of biogas per day which is equivalent to 67.5kg of LPG. In the first phase, 20 cubic metre plant will be installed which will handle close to 200kg of waste.

[www.timesofindia.indiatimes.com/city/ahmedabad/City-club-to-set-up-biogas-plant/articleshow/46025890.cms](http://www.timesofindia.indiatimes.com/city/ahmedabad/City-club-to-set-up-biogas-plant/articleshow/46025890.cms)

### Coconut waste power to light up Turbhe landfill

The Navi Mumbai Municipal Corporation (NMMC) and The Energy and Resources Institute (TERI) are working on a project to generate electricity from coconut husk that is segregated from municipal solid waste in the civic area.

A biomass gasification plant will recycle the husk for generating power to illuminate the landfill site at Turbhe. TERI has had success with a similar project in Delhi and is hopeful of doing the same at Turbhe for NMMC.

[www.timesofindia.indiatimes.com/city/navi-mumbai/Coconut-waste-power-to-light-up-Turbhe-landfill/articleshow/45766713.cms](http://www.timesofindia.indiatimes.com/city/navi-mumbai/Coconut-waste-power-to-light-up-Turbhe-landfill/articleshow/45766713.cms)

## Policy Initiatives

### Transport ministry to promote clean auto tech for 'pradushan mukt' Bharat

Along with prime minister Narendra Modi's ongoing Swachh Bharat (clean India) campaign, there will be a pradushan-mukt Bharat (pollution-free India) in the coming years. While the Swachh Bharat campaign is being realised through people-engagement, the pradushan-mukt Bharat campaign will be kicked off by incentivising and promoting clean automotive propulsion technologies.

The Union Budget, to be presented next month, may well play a key role by offering incentives for green technologies. The finance minister will reportedly offer a Rs 800 crore incentive package for electric and hybrid vehicles in the Budget.

Speaking at the Bloomberg TV- Autocar India Awards on January 9, Nitin Gadkari, Union minister for road transport and highways, said that green automotive solutions will be promoted by the government to reduce pollution levels. He said, "We will recommend that exemptions be given for electric buses or those running on ethanol, biodiesel, biogas, or cars running on biofuel or electric vehicle technology."

[www.autocarpro.in/news-national/transport-ministry-promote-clean-auto-tech-pradushan-mukt-bharat-7322](http://www.autocarpro.in/news-national/transport-ministry-promote-clean-auto-tech-pradushan-mukt-bharat-7322)

### Brihanmumbai Municipal Corporation to set up biomethanation plants

According to the proposal, the BMC will set up the plants at the dumping grounds in Deonar, Kanjur Marg, Mulund and Gorai (non-operational) to produce power and gas. The corporation is hoping to generate 11MW of power at each of the four grounds.

[www.dnaindia.com/mumbai/report-soon-bmc-will-turn-waste-into-power-fuel-2051960](http://www.dnaindia.com/mumbai/report-soon-bmc-will-turn-waste-into-power-fuel-2051960)

### Praj contracts order for Uganda's largest ethanol plant from Kakira Sugars

Praj Industries, a global process solutions company, has contracted a 60,000 LPD project for production of fuel ethanol and premium grade extra neutral alcohol (beverage alcohol) from Kakira Sugars. Kakira Sugars is a leading sugar and power producer in Uganda. It is part of the diversified Madhvani Group, one of the largest private sector group in East Africa. The plant will process cane molasses from the Kakira Sugar Mill.

Praj will provide key technologies for fermentation, distillation, wastewater treatment including biomethanation followed by biocomposting. The project will be supplied on EPC basis including boiler, turbine, water treatment plant, laboratory, auxiliary packages, etc.

[www.prnewswire.co.in/news-releases/praj-contracts-order-for-ugandas-largest-](http://www.prnewswire.co.in/news-releases/praj-contracts-order-for-ugandas-largest-)

[ethanol-plant-from-kakira-sugars-287747781.html](http://www.business-standard.com/article/economy-policy/punjab-govt-plans-to-set-up-asia-s-first-bio-ethanol-refinery-115012901477_1.html)

## Punjab Government plans to set up Asia's first bio-ethanol refinery

Punjab is set to ink a memorandum of understanding (MoU) for setting up of bio-ethanol refinery with a consortium of Beta Renewables, Novozymes and CVC India Infrastructure Pvt Ltd, for an estimated project worth Rs 950 crore. This will go a long way in tackling the major problem of paddy straw burning, resulting in irreparable loss to land's fertility and environment.

[www.business-standard.com/article/economy-policy/punjab-govt-plans-to-set-up-asia-s-first-bio-ethanol-refinery-115012901477\\_1.html](http://www.business-standard.com/article/economy-policy/punjab-govt-plans-to-set-up-asia-s-first-bio-ethanol-refinery-115012901477_1.html)

## Tihar Jail authorities take up slew of green initiatives

A biogas plant with a capacity of treating 750 kilograms of waste per day, a herbal garden boasting of a variety of medicinal herbs, and a water recycling unit providing potable water to thousands are some of the green initiatives taken by authorities at the Tihar Jail.

The jail has also set up eco-friendly candle and fabric units, solar power plants and organic compost pits in its premises.

[www.gulfnews.com/news/world/india/tihar-jail-authorities-take-up-slew-of-green-initiatives-1.1439453](http://www.gulfnews.com/news/world/india/tihar-jail-authorities-take-up-slew-of-green-initiatives-1.1439453)

## Punjab plans biogas CNG project

Punjab Government will harness biogas CNG potential in the state by setting up one pilot plant in each district of the state. "Punjab is moving towards the next level by fixing a target of setting up of at least one biogas CNG project in every district of the state," said an official spokesman.

[www.business-standard.com/article/pti-stories/punjab-plans-biogas-cng-project-115012700732\\_1.html](http://www.business-standard.com/article/pti-stories/punjab-plans-biogas-cng-project-115012700732_1.html)

## PMC to get Rs 50L for garbage segregation

The District Planning and Development Committee (DPDC) decides that the Pune Municipal Corporation (PMC) will get Rs 50 lakh from the district administration to deal with the garbage problem.

[www.timesofindia.indiatimes.com/city/pune/PMC-to-get-Rs-50L-for-garbage-segregation/articleshow/45916780.cms](http://www.timesofindia.indiatimes.com/city/pune/PMC-to-get-Rs-50L-for-garbage-segregation/articleshow/45916780.cms)

## 6 social development efforts that will take India forward

[www.social.yourstory.com/2015/01/6-social-development-efforts-that-will-take-india-forward/](http://www.social.yourstory.com/2015/01/6-social-development-efforts-that-will-take-india-forward/)

### Research & Development

## India's Center for Study of Science, Technology and Policy (CSTEP) plans to build a 3MW CSP-biopower plant in the village of Barunr

If successful, the plant will elevate the fortunes of renewable energy and CSP in India. Called SCOPEBIG (Scalable CSP Optimised Power Plant Engineered with Biomass Integrated Gasification), the hybrid project is being set up under the EU-India Cooperation on Renewable

Energy with a commitment of around €8mn.

For developing the gasifier technology, expertise will come from the Energy Research Centre of the Netherlands and from the 250kW plant sponsored by India's Department of Science and Technology and built by Thermax near Pune.

[www.cleantechnica.com/2015/01/19/csp-solar-biomass-model-india/](http://www.cleantechnica.com/2015/01/19/csp-solar-biomass-model-india/)

### Algenol and Reliance Industries have successfully deployed India's first Algenol algae production platform

The demonstration module is located near the Reliance Jamnagar Refinery, the world's largest oil refinery with a nameplate capacity of 668,000 barrels per day at a 7500 acre complex in Gujarat state at the western extreme of India.

[www.biofuelsdigest.com/bdigest/2015/01/26/worlds-largest-oil-refinery-adds-algae-demonstration-project/](http://www.biofuelsdigest.com/bdigest/2015/01/26/worlds-largest-oil-refinery-adds-algae-demonstration-project/)

## Sinar Mas to develop biopower plants

Conglomerate Sinar Mas Group is planning to invest trillions of rupiah in the energy sector by developing biopower plants with a total capacity of up to 1,000MW in South Sumatra to supply the country's high energy demand.

[www.eco-business.com/news/sinar-mas-develop-biomass-power-plants/](http://www.eco-business.com/news/sinar-mas-develop-biomass-power-plants/)

## New study highlights importance of an optimised biomass supply chain

If heat and power plants that burn forest woodchips acquire these chips from optimised supply chains, they can obtain better quality biomass and lower their total acquisition costs. This is according to a study by Ramoll Finland, commissioned by Miktech Oy. An optimised supply chain includes comprehensive and real-time management features for biomass, resources and conditions.

'The higher quality of the forest chips, especially in terms of their moisture and homogeneity, will affect the economic efficiency and profitability of heat and power plants,' explains Ramboll Finland's business manager Mirja Mutikainen. The most significant benefits will be in fuel economy, boiler efficiency and other energy production costs. The plants will also benefit from fewer production outages and decreased operating and maintenance costs.

[www.bioenergy-news.com/index.php?/Industry-News?item\\_id=8707](http://www.bioenergy-news.com/index.php?/Industry-News?item_id=8707)

## Green energy developer Eco2 sells latest biomass plant at Margam for £160mn

In a deal worth £160m the Cardiff-based business has sold the 40MW Margam Green Energy Plant to Glennmont Partners, a fund manager focussing exclusively on investment in clean energy infrastructure. The sale marks the successful completion of a joint venture between Eco2 and the Western Logs Group. The Margam Green Energy Plant, located near Margam, will generate 40MW from the combustion of waste wood.

The power station will be built by a consortium consisting of Danish company Babcock Wilcox Volund and Interserve Construction. BW Volund will also operate the plant.

[www.walesonline.co.uk/business/business-news/green-energy-developer-eco2-sells-8524416](http://www.walesonline.co.uk/business/business-news/green-energy-developer-eco2-sells-8524416)

## Snetterton biopower plant will 'unlock' district

Construction of a biomass power plant near Snetterton, which will bring electricity to more than 80,000 homes and create jobs and business opportunities across Breckland, is due to begin this month.

Ground was broken at the site of the £160 million straw-fired power plant, near Snetterton race circuit, on Monday to mark the official start of the construction project.

[www.buryfreepress.co.uk/news/local/latest-news/snetterton-biomass-power-plant-will-unlock-district-1-6536381](http://www.buryfreepress.co.uk/news/local/latest-news/snetterton-biomass-power-plant-will-unlock-district-1-6536381)

## Pacific Ethanol to install co-generation system at Stockton plant

Pacific Ethanol Inc., the leading producer and marketer of low-carbon renewable fuels in the western United States, has entered into an agreement with Dresser-Rand to install a 3.5 MW cogeneration system with gradual oxidizer at its Stockton, California, plant for approximately \$12mn.

The cogeneration system will displace purchased electricity by using Ener-Core Inc.'s innovative gradual oxidizer technology to convert waste gas from ethanol production and natural gas into electricity and steam. With this technology, the plant will have among the lowest air emissions in the ethanol industry.

[www.ethanolproducer.com/articles/11821/pacific-ethanol-to-install-cogeneration-system-at-stockton-plant](http://www.ethanolproducer.com/articles/11821/pacific-ethanol-to-install-cogeneration-system-at-stockton-plant)

## Stroma Certification's MCS scheme bolstered by biomass

Stroma Certification has secured approval from UKAS to extend the scope of their popular Microgeneration Certification Scheme (MCS) under BS EN 45011: 1998 to now include biomass. Biomass has been something of a renewables buzz word in recent months following the news that ¼ of the first 1,000 applications accepted for funding under the Renewable Heat Incentive (RHI) opted for the measure. Stroma's new measure holds UKAS accreditation under BS EN 45011: 1998. It is the latest addition to their MCS scheme which already provides certification for solar photovoltaics, ground source heat pumps, air source heat pumps and solar thermal technology. Biomass is the first of two MCS scheme improvements expected to be announced by Stroma in 2015. Approval is pending for a new wind turbine measure which should be available to members during spring.

[www.industrytoday.co.uk/energy\\_and\\_environment/stroma-certifications-mcs-scheme-bolstered-by-biomass/33578](http://www.industrytoday.co.uk/energy_and_environment/stroma-certifications-mcs-scheme-bolstered-by-biomass/33578)

## The Global Biomass Pellets Market is expected to grow at a CAGR of 11% from 2014-2019: Report from TechNavio

<https://uk.finance.yahoo.com/news/lower-greenhouse-gas-emissions-positive-154500205.html>

## Renewable energy policies drive production of southern wood pellets for bioenergy

A recently released study led by U.S. Forest Service scientists and published by the Forest Service's Southern Research Station (SRS) finds that policies in the European Union (EU) and elsewhere requiring the use of renewable and low greenhouse gas-emitting energy are driving demand for wood pellets used to generate bioenergy. This demand could provide new markets for U.S. timber exports, increase wood prices, and lead to increases in forestland area.

[www.phys.org/news/2015-01-renewable-energy-policies-production-southern.html](http://www.phys.org/news/2015-01-renewable-energy-policies-production-southern.html)

## The launch the new public campaign

The Money initiative of Connected Development [CODE] has started monitoring activities around the 9.2 Billion Naira that was approved by the Federal Executive Council for the Ministry of Environment to procure and distribute 750,000 clean cookstoves and 18,000 Wonderbags. The Chief Executive of CODE, Hamzat Lawal mentioned this in Abuja at a press briefing to launch the new public campaign which will monitor the procurement and distribution of the alternate cooking technologies that can reduce the numbers of women death from firewood cooking, and also reduce the illegal felling of trees.

[www.spyghana.com/code-launch-campaign-9-2bn-clean-cookstoves-cash/](http://www.spyghana.com/code-launch-campaign-9-2bn-clean-cookstoves-cash/)

## Yak dung burning pollutes indoor air of Tibetan households

Tibet, the highest region on Earth and one of the most remote, is associated with vivid blue skies and the crystal clear air of the Himalayas. During the long cold season, however, the traditional nomadic people spend much of their time in snug dwellings where they cook and stay warm by burning yak dung. Their indoor air can be filled with dangerous levels of fine particulate matter, including black carbon, a new study finds.

The journal Atmospheric Environment published the research, led by Eri Saikawa, an assistant professor in the Department of Environmental Sciences at Emory University and in the Department of Environmental Health at the Rollins School of Public Health.

"Indoor air pollution is a huge human health problem throughout the developing world," Saikawa says. "In a cold region like Tibet, the impact on individuals could be even greater because they spend so much time indoors and try to keep their homes as air tight as possible."

[www.eurekalert.org/pub\\_releases/2015-01/ehs-ydb011515.php](http://www.eurekalert.org/pub_releases/2015-01/ehs-ydb011515.php)

## Oil's latest drop further pressures ethanol companies

Crude oil's latest skid dealt another dent to ethanol producers' shares, as investors gauged the potential for slimmer profits on each gallon of the corn-based fuel additive.

As a barrel of crude oil briefly traded below \$50, investors sent shares of top ethanol makers sharply lower, reflecting concerns that cheaper gasoline prices could further curb ethanol prices after the industry pocketed big profits last year. Oil prices settled 5% lower at \$50.04 a barrel on the New York Mercantile Exchange.

[www.blogs.wsj.com/moneybeat/2015/01/05/oils-latest-drop-further-pressures-ethanol-companies/](http://www.blogs.wsj.com/moneybeat/2015/01/05/oils-latest-drop-further-pressures-ethanol-companies/)

## Top 10 Bioeconomy and Biofuels Predictions for 2015

[www.biofuelsdigest.com/bdigest/2015/01/01/top-10-bioeconomy-and-biofuels-predictions-for-2015/](http://www.biofuelsdigest.com/bdigest/2015/01/01/top-10-bioeconomy-and-biofuels-predictions-for-2015/)

## E2: Advanced biofuel production likely to double in 3 years

Advanced biofuel capacity topped 800 million gallons in 2014, up from the previous year and almost double the capacity in 2011, according to the E2 Advance Biofuel Market Report 2014 released by Environmental Entrepreneurs (E2), a national nonpartisan business group.

The report projects that by 2017, as many as 180 companies are expected to produce 1.7 billion gallons of advanced biofuel, doubling current capacity. It shows advanced biofuels are on track to meet targeted emission reductions for clean fuels standards in California and Oregon. "The advanced biofuel industry is meeting the growing demand for cleaner-burning transportation fuels," said co-author Mary Solecki, western states advocate for E2, an affiliate of the Natural

Resources Defense Council.

In its conclusion, the E2 report points out a number of companies made solid steps towards commercialization since its 2013 assessment. Regulatory uncertainty remains a continued challenge, and is likely the cause of the decline in investments since 2012. "E2 continues to see value in diversifying the United States' transportation fuels, and the role that advanced biofuels can play both economically and environmentally. Despite a decline in investment and capacity projections, we see a number of companies working carefully and deliberately to overcome industry challenges."

[www.ethanolproducer.com/articles/11798/e2-advanced-biofuel-production-likely-to-double-in-3-years](http://www.ethanolproducer.com/articles/11798/e2-advanced-biofuel-production-likely-to-double-in-3-years)

## 2014 Iowa biodiesel production down slightly from 2013 record

The Iowa Renewable Fuels Association announced that Iowa biodiesel production was 227mn gallons in 2014, down slightly from the 2013 record of 230mn gallons. Iowa, the nation's leading producer of biodiesel, is expected to account for roughly 16% of U.S. biodiesel production for 2014.

[www.biodieselmagazine.com/articles/273493/2014-iowa-biodiesel-production-down-slightly-from-2013-record](http://www.biodieselmagazine.com/articles/273493/2014-iowa-biodiesel-production-down-slightly-from-2013-record)

## Blue Ridge Biofuels expands biodiesel production

Blue Ridge Biofuels is expanding biodiesel production by renting space and installing processing equipment at the Catawba County EcoComplex, a LEED Silver certified facility in Western North Carolina powered by methane gas from an adjacent landfill. Last year, Blue Ridge Biofuels produced 360,000 gallons of biodiesel, but this year the company plans to triple production to 1mn gallons. By 2017, Blue Ridge Biofuels plans to manufacture 3 MMgy.

[www.biodieselmagazine.com/articles/272287/blue-ridge-biofuels-expands-biodiesel-production](http://www.biodieselmagazine.com/articles/272287/blue-ridge-biofuels-expands-biodiesel-production)

## REG provides biodiesel blends for 78 buses in Ames, Iowa

Renewable Energy Group Inc. announced a partnership between its blended fuels division and CyRide, the transit agency serving the city of Ames, Iowa, and Iowa State University, to supply biodiesel-blended fuel in 2015 for its CyRide bus fleet.

[www.biodieselmagazine.com/articles/272428/reg-provides-biodiesel-blends-for-78-buses-in-ames-iowa](http://www.biodieselmagazine.com/articles/272428/reg-provides-biodiesel-blends-for-78-buses-in-ames-iowa)

## PumpUpBiodiesel social media campaign raises grassroots biodiesel support

Participants used the hashtag #PumpUpBiodiesel on both Twitter and Facebook throughout the month of November. This hashtag reflected the industry's goals of growing biodiesel to 10% of the diesel market by 2022, and increasing RFS volumes.

[www.biodieselmagazine.com/articles/268270/pumpupbiodiesel-social-media-campaign-raises-grassroots-biodiesel-support](http://www.biodieselmagazine.com/articles/268270/pumpupbiodiesel-social-media-campaign-raises-grassroots-biodiesel-support)

## RFA: Ethanol producers meet statutory 2014 RFS without final rule

Renewable Identification Number (RIN) generation data released by the U.S. EPA shows that the statutory 2014 renewable fuel standard (RFS) requirements established by Congress in 2007 could have easily been met, and that the RFS waiver proposed — and later rescinded — by EPA was totally unnecessary.

EPA data show that generation of "renewable fuel" RINs (also known as "D6" or "conventional ethanol" RINs) in 2014 almost matched perfectly the volumes required under the statute.

[www.ethanolproducer.com/articles/11831/rfa-ethanol-producers-meet-statutory-2014-rfs-without-final-rule](http://www.ethanolproducer.com/articles/11831/rfa-ethanol-producers-meet-statutory-2014-rfs-without-final-rule)

## EIA predicts increased ethanol production in 2015 and 2016

The U.S. Energy Information Administration has released the January issue of its Short-Term Energy Outlook, which includes its first short-term prediction of 2016 ethanol production levels. Within the STEO, the EIA reported ethanol production in December reached a record of 979,000 barrels per day, exceeding the previous record of 968,000 barrels per day set in November. Ethanol production averaged approximately 935,000 barrels per day last year, and is expected to average 936,000 barrels per day this year.

[www.ethanolproducer.com/articles/11825/eia-predicts-increased-ethanol-production-in-2015-and-2016](http://www.ethanolproducer.com/articles/11825/eia-predicts-increased-ethanol-production-in-2015-and-2016)

## Kenya's slum dwellers turn to ethanol stoves to reduce indoor pollution

Rapheal Maina, a Kenyan resident of the one of the sprawling slums in Nairobi, has been using charcoal and kerosene to cook food in his household ever since he migrated from his rural homestead over 20 years.

However, the smoke emitted from this form of cooking has taken a heavy toll on his health. Maina told Xinhua in Nairobi that he was therefore elated when he found about ethanol stoves that cook without emitting any smoke. He is one of the over 600 beneficiaries that have so far replaced their charcoal and kerosene stoves with innovative ethanol stoves.

[www.globalpost.com/dispatch/news/xinhua-news-agency/150115/feature-kenyas-slum-dwellers-turn-ethanol-stoves-reduce-indo](http://www.globalpost.com/dispatch/news/xinhua-news-agency/150115/feature-kenyas-slum-dwellers-turn-ethanol-stoves-reduce-indo)

## EPA approves Algenol's RFS fuel pathway petition

The U.S. EPA has approved fuels made from Algenol's process as an advanced biofuel, meeting the greenhouse gas (GHG) reduction requirements under the renewable fuels standard (RFS). Fuels produced from Algenol are now eligible for a renewable identification numbers (RINs) under the D5 classification. The EPA's approval of Algenol's patented direct to ethanol pathway covers its bio-crude coproduct under an already existing pathway.

[www.ethanolproducer.com/articles/11824/epa-approves-algenols-rfs-fuel-pathway-petition](http://www.ethanolproducer.com/articles/11824/epa-approves-algenols-rfs-fuel-pathway-petition)

## 2014 US biodiesel numbers down slightly amid policy uncertainty

The US biodiesel market shrunk in 2014 amid policy uncertainty in Washington that destabilized the industry and caused many biodiesel plants to shut down or reduce production. According to EPA data released Jan. 15, total U.S. biodiesel consumption fell to 1.75 billion gallons for the year, down slightly from nearly 1.8 billion gallons in 2013. The downturn came as the Obama administration failed to finalize biodiesel volumes under the renewable fuel standard (RFS) and Congress allowed the biodiesel tax incentive to lapse at the beginning of 2014.

[www.biodieselmagazine.com/articles/279983/2014-us-biodiesel-numbers-down-slightly-amid-policy-uncertainty](http://www.biodieselmagazine.com/articles/279983/2014-us-biodiesel-numbers-down-slightly-amid-policy-uncertainty)

## Houston fueling station prepares for B100, B50 dispensing

Construction is nearly complete at Root Fuel's revamped Wallisville Road retail fueling location where Houston area truckers and diesel drivers will soon be able to fill up on B100 and B50. CEO Justin Heller told Biodiesel Magazine that while the location is currently selling B20, B50 is expected to go on sale next month. By March, B100 will be sold at the pump.

<http://www.biodieselmagazine.com/articles/278794/houston-fueling-station-prepares-for-b100-b50-dispensing>

## New clean diesel truck unveiled at Detroit Auto Show

[www.biodieselmagazine.com/blog/article/2015/01/new-clean-diesel-truck-unveiled-at-detroit-auto-show](http://www.biodieselmagazine.com/blog/article/2015/01/new-clean-diesel-truck-unveiled-at-detroit-auto-show)

## TruMarx intro's biodiesel, RINs transaction capability on COMET

TruMarx Data Partners Inc., the creator of COMET, an on-demand platform for custom bilateral OTC transactions, announced the introduction of biodiesel and RINs transaction capability. COMET now supports direct bilateral transactions for biodiesel and assigned RINs, separated D4 RINs, and RINless biodiesel (wet gallons).

"We are excited to introduce this new biodiesel transaction capability for COMET," said Jon Olson, founder, president and CEO. "It will allow active traders in this important energy category to enjoy the tremendous benefits that COMET provides.

[www.biodieselmagazine.com/articles/278452/trumarx-intros-biodiesel-rins-transaction-capability-on-comet](http://www.biodieselmagazine.com/articles/278452/trumarx-intros-biodiesel-rins-transaction-capability-on-comet)

## UPM's \$206mn renewable diesel plant begins commercial production

Commercial operations have begun at UPM's Lappeenranta Biorefinery in Finland. The 32 MMgy plant uses a hydrotreatment process developed by UPM to convert crude tall oil from wood pulping operations into renewable diesel, branded as BioVerno.

According to UPM, a large portion of the feedstock comes from its own pulp mills in Finland. UPM has a sales agreement with North European Oil Trade, a wholesale organization of oil and biofuel products.

[www.biodieselmagazine.com/articles/277480/upms-206m-renewable-diesel-plant-begins-commercial-production](http://www.biodieselmagazine.com/articles/277480/upms-206m-renewable-diesel-plant-begins-commercial-production)

## The latest on biofuels and land use: Progress to report, but Challenges Remain

[www.blog.ucsusa.org/the-latest-on-biofuels-and-land-use-797](http://www.blog.ucsusa.org/the-latest-on-biofuels-and-land-use-797)

## Straight from the ethanol producer to your gas tank

[www.ethanolproducer.com/blog/article/2015/01/straight-from-the-ethanol-producer-to-your-gas-tank](http://www.ethanolproducer.com/blog/article/2015/01/straight-from-the-ethanol-producer-to-your-gas-tank)

## Biodiesel industry honors champions, career long-achievements

[www.biodieselmagazine.com/articles/286478/biodiesel-industry-honors-champions-career-long-achievements](http://www.biodieselmagazine.com/articles/286478/biodiesel-industry-honors-champions-career-long-achievements)

## BQ-9000 biodiesel fuel quality program expands its reach to retailers

The National Biodiesel Accreditation Program (NBAC), called BQ-9000®, is a cooperative and voluntary program for the accreditation of companies that produce, test, and supply biodiesel fuel.

The program is a unique combination of the ASTM standard for biodiesel, ASTM D6751, and a rigorous quality systems program that includes storage, sampling, testing, blending, shipping, distribution, and fuel management practices. BQ-9000® is open to any biodiesel manufacturer, marketer or distributor and now retailer of biodiesel and biodiesel blends, as well as third party labs who test the fuel, in the United States and Canada.

[www.kticradio.com/agricultural/bq-9000-biodiesel-fuel-quality-program-expands-its-reach-to-retailers/](http://www.kticradio.com/agricultural/bq-9000-biodiesel-fuel-quality-program-expands-its-reach-to-retailers/)

## Methes to receive \$4mn for limited license of its biodiesel tech

Methes Energies International Ltd. has granted a US-based entity a nonexclusive license to use Methes' design and software for a 3,000 liter per hour biodiesel processor to manufacture biodiesel processors for its own projects in the US. Methes is to receive a \$4mn upfront cash payment and will be entitled to an additional \$100,000 for each of the first 40 units manufactured by the licensee.

[www.biodieselmagazine.com/articles/285681/methes-to-receive-4m-for-limited-license-of-its-biodiesel-tech](http://www.biodieselmagazine.com/articles/285681/methes-to-receive-4m-for-limited-license-of-its-biodiesel-tech)

## Economists evaluate ethanol profitability cycles, outlook

Ethanol profitability has swung widely in the past 3 years, from bust to boom to breakeven, writes retired Iowa State University ag economist Don Hofstrand. Since launching the renewable fuels report in the Agriculture Marketing Resource Center in 2008, he has followed the swings in ethanol profitability through a model Iowa-based ethanol plant built in an Excel spreadsheet.

[www.ethanolproducer.com/articles/11865/economists-evaluate-ethanol-profitability-cycles-outlook](http://www.ethanolproducer.com/articles/11865/economists-evaluate-ethanol-profitability-cycles-outlook)

## Moving biodiesel in the pipeline: sequencing matters

The ability to move biodiesel in pipelines versus truck or rail is considered essential to lower costs and advance biodiesel into the mainstream, but contamination of jet fuel with fatty acid methyl esters (FAME) shipped in the same line has impeded progress. The ASTM jet fuel spec has traditionally been unforgiving, only allowing 5 parts per million FAME concentration. Years of work testing higher limits is paying off though, as ASTM recently approved increasing the allowable concentration of trace FAME in jet fuel from 5 to 50 ppm—an action that awaits official publication in the updated jet fuel standard.

[www.biodieselmagazine.com/articles/290143/moving-biodiesel-in-the-pipeline-sequencing-matters](http://www.biodieselmagazine.com/articles/290143/moving-biodiesel-in-the-pipeline-sequencing-matters)

## BQ-9000 Retailer Program unveiled at Nat'l Biodiesel Conference

At the National Biodiesel Conference & Expo in Fort Worth, Texas, in January, the National Biodiesel Board announced the addition of a retailer certification under its BQ-9000 biodiesel fuel quality assurance program. The new BQ-9000 Retailer Program is the fourth segment of the growingly popular fuel quality assurance program, joining the previously established certifications for biodiesel producers, marketers and testing.

[www.biodieselmagazine.com/articles/289644/bq-9000-retailer-program-unveiled-at-natl-biodiesel-conference](http://www.biodieselmagazine.com/articles/289644/bq-9000-retailer-program-unveiled-at-natl-biodiesel-conference)

## Lanxess introduces new Baynox stabilizers for biodiesel

Lanxess Corp. has added two new highly concentrated antioxidants to its line of biodiesel stabilizers. The new products, Baynox Ultra and Baynox Cargo, were introduced to the U.S. market at the National Biodiesel Conference & Expo this month in Fort Worth, Texas.

[www.biodieselmagazine.com/articles/290018/lanxess-introduces-new-baynox-stabilizers-for-biodiesel](http://www.biodieselmagazine.com/articles/290018/lanxess-introduces-new-baynox-stabilizers-for-biodiesel)

## BDI to upgrade Scotland-based Argent Energy biodiesel plant

BDI-BioEnergy International AG signed a \$12.4mn contract with Argent Energy (U.K.) Ltd., a 13 MMgy biodiesel plant in Motherwell, Scotland, owned by John Swire and Sons Ltd., to construct an esterification plant for conversion of waste fats with high free fatty acid (FFA) content.

[www.biodieselmagazine.com/articles/293142/bdi-to-upgrade-scotland-based-argent-energy-biodiesel-plant](http://www.biodieselmagazine.com/articles/293142/bdi-to-upgrade-scotland-based-argent-energy-biodiesel-plant)

## Greenergy acquires Harvest Biofuels' UK biodiesel plant

Greenergy has acquired Harvest Biofuels' biodiesel manufacturing facility at Seal Sands on Teesside, England. Greenergy says the acquisition of Harvest's manufacturing assets gives it additional biodiesel production capacity to meet its own biofuel blending obligations under the U.K.'s Renewable Transport Fuel Obligation.

[www.biodieselmagazine.com/articles/293151/greenergy-acquires-harvest-biofuels-uk-biodiesel-plant](http://www.biodieselmagazine.com/articles/293151/greenergy-acquires-harvest-biofuels-uk-biodiesel-plant)

## GRFA: Biofuels should be addressed at World Future Energy Summit

As the 8th Annual World Future Energy Summit began in Abu Dhabi, the Global Renewable Fuels Alliance repeated its call for participants to bring biofuels to the top of the sustainability, economic and climate change agenda.

[www.ethanolproducer.com/articles/11852/grfa-biofuels-should-be-addressed-at-world-future-energy-summit](http://www.ethanolproducer.com/articles/11852/grfa-biofuels-should-be-addressed-at-world-future-energy-summit)

## Report highlights growth of biofuel production in China

A report recently filed with the USDA Foreign Agricultural Service's Global Information Network estimates China's fuel ethanol production reached 2.8bn liters (739.68 million gallons) last year, up 6% from 2013. The increase is attributed to consumption growth in provinces with a blend mandate. In 2015, production is expected to reach 3bn liters. Biodiesel production also grew, reaching an estimated 1.13bn liters, up 5% from 2013. Biodiesel production grew by approximately 18% from 2012 to 2013. This year, biodiesel production is expected to reach 1.19 bn liters.

[www.ethanolproducer.com/articles/11859/report-highlights-growth-of-biofuel-production-in-china](http://www.ethanolproducer.com/articles/11859/report-highlights-growth-of-biofuel-production-in-china)

## Novozymes: Bioenergy drives 2014 growth

Novozymes has released 2014 financial results, reporting that sales growth was in line with expectations. During an investor call, Peder Holk Nielsen, president and CEO of Novozymes, said bioenergy was the strongest growth driver last year.

According to Novozymes, the strong growth in bioenergy sales was mainly driven by the company's yield-discovery solutions Avantec, Spirizyme, Achieve and Olexa. Novozymes estimates more than one-third of U.S. fuel ethanol is produced using one or more of these solutions.  
[www.ethanolproducer.com/articles/11844/novozymes-bioenergy-drives-2014-growth](http://www.ethanolproducer.com/articles/11844/novozymes-bioenergy-drives-2014-growth)

## EPA: 2014 cellulosic RIN generation tops 33mn

The U.S. EPA has released renewable identification number (RIN) generation data for December, reporting that more than 8.53mn cellulosic RINs were generated during the month. EIA data currently shows more than 33.01mn cellulosic RINs were generated in 2014.

[www.ethanolproducer.com/articles/11833/epa-2014-cellulosic-rin-generation-tops-33-million](http://www.ethanolproducer.com/articles/11833/epa-2014-cellulosic-rin-generation-tops-33-million)

## More volume, more places

The February issue of Ethanol Producer Magazine has an exports theme and includes stories about trade missions overseas to build global markets for US ethanol as well as the biggest export markets for US DDGS and ethanol, writes Tom Bryan.

[www.ethanolproducer.com/articles/11818/more-volume-more-places](http://www.ethanolproducer.com/articles/11818/more-volume-more-places)

## EPA: 2014 cellulosic RIN generation tops 33mn

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[www.ethanolproducer.com/articles/11833/epa-2014-cellulosic-rin-generation-tops-33-million](http://www.ethanolproducer.com/articles/11833/epa-2014-cellulosic-rin-generation-tops-33-million)

## Regaining ground

[www.ethanolproducer.com/articles/11812/regaining-ground](http://www.ethanolproducer.com/articles/11812/regaining-ground)

Year-end US fuel ethanol exports are expected to exceed 800mn gallons, second only to the record-breaking 1.19bn gallons exported in 2011.

## Hats off to the American Farmer

Agriculture has been one of the greatest success stories, writes Mike Bryan of BBI International. And, through the ethanol industry, the agriculture industry has played a role in reducing our dependence on foreign oil and improving our environment.

[www.ethanolproducer.com/articles/11817/hats-off-to-the-american-farmer](http://www.ethanolproducer.com/articles/11817/hats-off-to-the-american-farmer)

## Protec Fuel announces opening of E15 station in southern Florida

Offering the first E15 in south Florida, North Miami's Caraf Oil at 13705 NW 7th Ave. held a kickoff event with substantial discounts on 88-octane E15 and E85 ethanol fuels on Jan. 21. E15 can run in any 2001 and newer gasoline engine and costs less than regular gas.

[www.ethanolproducer.com/articles/11848/protec-fuel-announces-opening-of-e15-station-in-southern-florida](http://www.ethanolproducer.com/articles/11848/protec-fuel-announces-opening-of-e15-station-in-southern-florida)

## Sorghum Partners announces winners of 2014 producers competition

Sorghum Partners, a Chromatin Inc. brand, has announced that three sorghum growers who planted Sorghum Partners brand products have won at the county, state, and national level in the 2014 National Sorghum Producers competition.

Sorghum is a high yielding, nutrient-efficient and drought tolerant crop. Sorghum's unique characteristics allow farmers to meet the growing demands for sustainable food, feed, and biomass production while reducing the cost of inputs such as water.

[www.ethanolproducer.com/articles/11826/sorghum-partners-announces-winners-of-2014-producers-competition](http://www.ethanolproducer.com/articles/11826/sorghum-partners-announces-winners-of-2014-producers-competition)

## IRENA announces REsource, a new online data platform

The best available data and information on renewable energy is now freely accessible. REsource, the online knowledge platform launched by the International Renewable Energy Agency, enables users to easily find country-specific data, create customized charts and graphs, and compare countries on metrics like renewable energy use and deployment. It also provides information on renewable energy market statistics, potentials, policies, finance, costs, benefits, innovations, education and other topics.

[www.ethanolproducer.com/articles/11854/irena-announces-resource-a-new-online-data-platform](http://www.ethanolproducer.com/articles/11854/irena-announces-resource-a-new-online-data-platform)

## Genera Energy celebrates four years accident free

Genera Energy Inc., a leading biomass supply company that supplies biomass feedstocks for the advanced biofuels, biopower, and biochemical industries, recently celebrated 1,533 days, or four years, without an accident.

To celebrate this important achievement, the company hosted a dinner for employees and presented them with jackets to recognize their diligence in helping maintain its accident free status.

[www.ethanolproducer.com/articles/11860/genera-energy-celebrates-four-years-accident-free](http://www.ethanolproducer.com/articles/11860/genera-energy-celebrates-four-years-accident-free)

## IRFA: Renewable fuels community 'Ready to Roll' in 2015

Iowa Renewable Fuels Association Executive Director Monte Shaw said that Iowa's renewable fuels industry is "ready to roll" in 2015 at the 9th Annual Iowa Renewable Fuels Summit. While lower feedstock prices powered the industry during 2014, a strong and growing federal renewable fuel standard (RFS) is needed to break the petroleum monopoly and increase consumer access to higher levels of cleaner-burning biofuels, like E15 and B20. In addition, IRFA released the results of a new Iowa economic impact study to highlight the importance of fighting for renewable fuels.

[www.ethanolproducer.com/articles/11864/irfa-renewable-fuels-community-ready-to-roll-in-2015](http://www.ethanolproducer.com/articles/11864/irfa-renewable-fuels-community-ready-to-roll-in-2015)

## Valero ethanol segment earns record 2014 income of \$786mn

Valero Energy Corp. showed strong earnings in its fourth quarter and year-end financial report. The oil refiner and ethanol producer showed adjusted net income of \$952mn, or \$1.83 per share in Q4. That compares to \$963mn in the same period a year earlier. For the year ended Dec. 31, adjusted net income from continuing operations total \$3.5bn, or \$6.68 per share, in 2014 compared to \$2.4bn in 2013.

[www.ethanolproducer.com/articles/11871/valero-ethanol-segment-earns-record-](http://www.ethanolproducer.com/articles/11871/valero-ethanol-segment-earns-record-)

## [2014-income-of-786m](#)

### Flint Hills Resources acquires Southwest Georgia Ethanol

Flint Hills Resources LLC has acquired an ethanol plant near Camilla, Georgia, from Southwest Georgia Ethanol LLC.

[www.ethanolproducer.com/articles/11874/flint-hills-resources-acquires-southwest-georgia-ethanol](http://www.ethanolproducer.com/articles/11874/flint-hills-resources-acquires-southwest-georgia-ethanol)

### Used cooking oil to power national grid from Whitemoor Power Station near Selby

[www.yorkpress.co.uk/news/11747612.VIDEO\\_Used\\_cooking\\_oil\\_to\\_power\\_national\\_grid\\_from\\_new\\_power\\_station\\_near\\_Selby/](http://www.yorkpress.co.uk/news/11747612.VIDEO_Used_cooking_oil_to_power_national_grid_from_new_power_station_near_Selby/)

### Cheaper oil puts woodchip fuel on the back burner

<http://www.ft.com/intl/cms/s/0/d75e880a-a88f-11e4-ad01-00144feab7de.html#axzz3QOERNy5I>

### Public to get chance to look at £325m Norwich energy plant plans

[www.edp24.co.uk/news/politics/public\\_to\\_get\\_chance\\_to\\_look\\_at\\_325m\\_norwich\\_energy\\_plant\\_plans\\_1\\_3936451](http://www.edp24.co.uk/news/politics/public_to_get_chance_to_look_at_325m_norwich_energy_plant_plans_1_3936451)

### Can trucking industry help boost sustainability

[www.triplepundit.com/2015/01/can-trucking-industry-help-boost-fuel-sustainability/](http://www.triplepundit.com/2015/01/can-trucking-industry-help-boost-fuel-sustainability/)

## Policy Development

### USDA solicits REAP applications

The USDA Rural Business-Cooperative Service has published a notice in the Federal Register announcing it is accepting applications for the Rural Energy for America Program.

[www.ethanolproducer.com/articles/11797/usda-solicits-reap-applications](http://www.ethanolproducer.com/articles/11797/usda-solicits-reap-applications)

### EPA accepting comments on preliminary biomass sorghum analysis

The U.S. EPA is accepting public comments on its preliminary analysis of the lifecycle greenhouse gas (GHG) emissions associated with the growth and transport of biomass sorghum for use as biofuel feedstock through Jan. 30.

On Dec. 31, the EPA published a notice in the Federal Register inviting the public to comment on its preliminary analysis of GHG emissions attributable to the growth and transport of biomass sorghum for use as biofuel feedstock. According to the EPA, the notice explains the agency's analysis of the growth and transport components of the lifecycle GHG emissions from biomass sorghum and describes how the EPA may apply the analysis in the future to determine whether biofuels produced from biomass sorghum meet necessary GHG reductions required for qualification under the renewable fuel standard (RFS) program.

[www.ethanolproducer.com/articles/11795/epa-accepting-comments-on-preliminary-biomass-sorghum-analysis](http://www.ethanolproducer.com/articles/11795/epa-accepting-comments-on-preliminary-biomass-sorghum-analysis)

## DoE: Project capturing CO2 from ethanol plant reaches milestone

As part of President Obama's all-of-the-above energy strategy, the Department of Energy has announced that its Illinois Basin-Decatur Project successfully captured and stored 1mn metric tons of carbon dioxide (CO2) and injected it into a deep saline formation. The project is part of the development phase of the Department's Regional Carbon Sequestration Partnerships initiative, which is helping develop and deploy carbon capture and storage (CCS) technologies across the country, and continuing the United States on a path towards a low carbon future.

[www.ethanolproducer.com/articles/11805/doe-project-capturing-co2-from-ethanol-plant-reaches-milestone](http://www.ethanolproducer.com/articles/11805/doe-project-capturing-co2-from-ethanol-plant-reaches-milestone)

## Oregon vote approves second phase of Clean Fuels Program

On Jan. 7, the Oregon Environmental Quality Commission voted 4-1 to approve rules for the second phase of the Oregon Clean Fuels Program. The program, which is similar to California's Low Carbon Fuel Standard, requires a 10% reduction of GHGs from transportation fuels over a 10-year period. The rules will go into effect on Feb. 1.

According to information released by the Oregon Department of Environmental Quality, the Clean Fuels Program Phase 2 rules establish clean fuel standards that will reduce emissions from the state's GHGs by 10% over the program's 10-year timeframe. The rules require importers of transportation fuels to meet the annual clean fuels standards, and provides a variety of strategies to achieve that requirement. Obligated parties can incorporate more low-carbon fuels, including biofuels, biogas, natural gas, propane and electricity, into their fuel mix. Alternatively, obligated parties can purchase clean fuel credits from providers of clean fuels. Providers of clean fuels are able to generate and sell fuel credits for the fuels they provide in Oregon. The rules adopted by the commission also establish fuel supply and fuel price deferrals to contain the program's cost.

[www.ethanolproducer.com/articles/11804/oregon-vote-approves-second-phase-of-clean-fuels-program](http://www.ethanolproducer.com/articles/11804/oregon-vote-approves-second-phase-of-clean-fuels-program)

## Voters give a strong 'yes!' to biodiesel policy

Voters showed resounding support for biodiesel policies including the RFS and federal biodiesel tax incentive as tools to increase the use of biodiesel in the U.S.

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The biodiesel industry's two major policy priorities have the support of American voters, according to a nationwide survey commissioned by the National Biodiesel Board in November. Three out of four voters (75 percent) support a tax incentive for biodiesel, the survey found. 76% support a national renewable fuel standard.

[www.biodieselmagazine.com/articles/268274/voters-give-a-strong-undefinedyesundefined-to-biodiesel-policy](http://www.biodieselmagazine.com/articles/268274/voters-give-a-strong-undefinedyesundefined-to-biodiesel-policy)

## Export incentive viable option for producers

In the past four years, US ethanol exports have increased 47%. If you're one of the many producers who sell ethanol internationally, you may qualify for the Interest Charge-Domestic International Sales Corp. export incentive. To encourage export activity in the global market, the government incentive rewards businesses for global reach and impact by offering up to a 20% lower tax rate for certain types of products sold internationally.

The export incentive is a great way to manage tax impact and preserve cash, ultimately returning value to shareholders. Under this tax strategy, the exporter pays commissions to the IC-DISC. The

commissions are deductible as an ordinary business expense by the exporter. The IC-DISC then pays a qualified dividend to the shareholder or shareholders of the IC-DISC. Generally, the ordinary tax rate for income on exports of inventory items is about 34 percent. The IC-DISC lowers this, generating approximately 15 percent savings, an incredible strategy for selling a product in the global market.

[www.ethanolproducer.com/articles/11808/export-incentive-viable-option-for-producers](http://www.ethanolproducer.com/articles/11808/export-incentive-viable-option-for-producers)

## EPA: Deadline extended for substantiations of confidentiality

The U.S. EPA has extended the deadline to respond to its notice requesting substantiations of confidentiality claims from businesses that have submitted reports and transactional information on the renewable fuels standard (RFS). While the original deadline to respond was set for Jan. 9, the agency has posted a notice to its website extending that deadline through Jan. 23.

[www.ethanolproducer.com/articles/11832/epa-deadline-extended-for-substantiations-of-confidentiality](http://www.ethanolproducer.com/articles/11832/epa-deadline-extended-for-substantiations-of-confidentiality)

## France increases biodiesel limit to 8% in diesel fuel

France's energy ministry issued an order to up the allowable biodiesel concentration in diesel fuel sold at public fueling stations across France. Ministerial order DEVR1431074A increases the allowable concentration of biodiesel from 7-8%.

Groups such as FuelsEurope and the European Automobile Manufacturers' Association are calling on France to keep the blend limit consistent with the standards set by the European Fuel Quality Directive (2009/30/EC) and the European Technical Specification for Diesel fuel EN590:2013, which call for a maximum of 7 percent fatty acid methyl ester content in diesel fuel.

[www.biodieselmagazine.com/articles/278822/france-increases-biodiesel-limit-to-8-percent-in-diesel-fuel](http://www.biodieselmagazine.com/articles/278822/france-increases-biodiesel-limit-to-8-percent-in-diesel-fuel)

## Obama signs tax act reinstating biodiesel credit through 2014

President Obama signed the Tax Increase Prevention Act of 2014 into law Dec. 19, which reinstates the \$1 per gallon biodiesel and renewable diesel tax credits from Jan. 1, 2014, through the end of the year.

[www.biodieselmagazine.com/articles/263393/obama-signs-tax-act-reinstating-biodiesel-credit-through-2014](http://www.biodieselmagazine.com/articles/263393/obama-signs-tax-act-reinstating-biodiesel-credit-through-2014)

## RFA: Ethanol producers meet statutory 2014 RFS without final rule

[www.ethanolproducer.com/articles/11831/rfa-ethanol-producers-meet-statutory-2014-rfs-without-final-rule](http://www.ethanolproducer.com/articles/11831/rfa-ethanol-producers-meet-statutory-2014-rfs-without-final-rule)

## Biodiesel advocates to fight for renewable fuels policy in DC

Renewable fuels supporters cheered as federal policy experts at the National Biodiesel Conference & Expo in Fort Worth, Texas, urged advocates to "write their own script" for success.

[www.biodieselmagazine.com/articles/289628/biodiesel-advocates-to-fight-for-renewable-fuels-policy-in-dc](http://www.biodieselmagazine.com/articles/289628/biodiesel-advocates-to-fight-for-renewable-fuels-policy-in-dc)

## ePURE calls for stronger, longer-term fuel regulations

The European Parliament has voted in support of a motion for resolution to reject the European Commission's proposal to implement Article 7a of the Fuel Quality Directive, but the vote did not gain the support of the required qualified majority needed to block the proposal.

The European renewable ethanol association (ePURE), while disappointed that the Parliament's resolution did not gain enough support, welcomes that the debate has revealed the shortcomings of the Commission's proposal.

[www.ethanolproducer.com/articles/11830/epure-calls-for-stronger-longer-term-fuel-regulations](http://www.ethanolproducer.com/articles/11830/epure-calls-for-stronger-longer-term-fuel-regulations)

## Government app to help companies export clean energy solutions

The International Trade Administration has published a notice in the Federal Register announcing the US Department of State, US Department of Commerce and US Department of Energy are providing US-based suppliers and providers of certain energy solutions the opportunity to participate in the pilot phase of an interactive directory of renewable energy and energy efficiency solutions.

[www.ethanolproducer.com/articles/11872/government-app-to-help-companies-export-clean-energy-solutions](http://www.ethanolproducer.com/articles/11872/government-app-to-help-companies-export-clean-energy-solutions)

## EU legislators called on to recognize advantages of biodiesel

On the occasion of a high-level policy conference in Brussels organized by the biodiesel supply chain, prominent researchers have underlined the benefits of biodiesel as well as their reservations regarding the readiness of the ILUC science for EU policymaking. The EBB, EOA and FEDIOL call on EU decision makers to safeguard existing investments from the introduction of ILUC methodology, be it for reporting or accounting.

[www.biodieselmagazine.com/articles/290053/eu-legislators-called-on-to-recognize-advantages-of-biodiesel](http://www.biodieselmagazine.com/articles/290053/eu-legislators-called-on-to-recognize-advantages-of-biodiesel)

## RFA testifies at ozone hearing on E10 volatility waiver

On Jan. 29, Bob Dinneen, president and CEO of the Renewable Fuels Association, testified before the U.S. EPA at a Washington, D.C.-based hearing focused on a proposal to lower the National Ambient Air Quality Standard ozone levels.

[www.ethanolproducer.com/articles/11868/rfa-testifies-at-ozone-hearing-on-e10-volatility-waiver](http://www.ethanolproducer.com/articles/11868/rfa-testifies-at-ozone-hearing-on-e10-volatility-waiver)

## DoE accepting comments on engineered high-energy crop proposal

The U.S. Department of Energy's Advanced Research Projects Agency – Energy has published a notice in the Federal Register announcing the availability of the Engineered High Energy Crop (EHEC) Programs Draft Programmatic Environmental Impact Statement (draft PEIS), which evaluates the potential environmental impacts associated with the DOE's proposal to implement one or more programs to catalyze the development and demonstration of crops specifically engineered for increased energy production.

According to the notice, a main component of the proposed programs would be providing financial assistance to conduct field trials to test the effectiveness of EHECs in the southeastern U.S.

[www.ethanolproducer.com/articles/11873/doe-accepting-comments-on-engineered-high-energy-crop-proposal](http://www.ethanolproducer.com/articles/11873/doe-accepting-comments-on-engineered-high-energy-crop-proposal)

## [EPA decision on Argentine biodiesel imports riles US industry](#)

The National Biodiesel Board sharply criticized a decision by the EPA to allow streamlined Argentinian biodiesel imports to the U.S. under the renewable fuel standard (RFS).

"This decision poses a tremendous threat to U.S. industry and jobs, not to mention the overriding goal of the RFS of developing clean, homegrown renewable fuels," said Anne Steckel, NBB's vice president of federal affairs.

"This is incredibly damaging, particularly in light of the continued delays in establishing RFS volumes. The Obama administration has effectively run the U.S. biodiesel industry into a ditch over the past year by failing to establish a functioning renewable fuels policy, and instead of pulling the domestic industry out, it is fast-tracking foreign competition."

[www.biodieselmagazine.com/articles/292077/epa-decision-on-argentine-biodiesel-imports-riles-us-industry](http://www.biodieselmagazine.com/articles/292077/epa-decision-on-argentine-biodiesel-imports-riles-us-industry)

### Finance & Investment

## [Edeniq secures \\$16mn for cellulosic sugar production](#)

Edeniq, a biorefining and cellulosic technology company, has raised more than \$16mn in equity. Edeniq is a leading provider of technology solutions for biofuel production, developing next generation cellulosic technologies. Edeniq uses combined mechanical and biological processes for maximum efficiency and lowest cost.

The equity investment was led by I2BF Global Ventures, an existing investor; Draper Fisher Jurvetson, Angeleno Group, Flint Hills Resources Renewables, The Westly Group, Cyrus Capital, and Nimes Capital also continued to support Edeniq.

[www.ethanolproducer.com/articles/11847/edeniq-secures-16-million-for-cellulosic-sugar-production](http://www.ethanolproducer.com/articles/11847/edeniq-secures-16-million-for-cellulosic-sugar-production)

## [Green Biologics raises \\$76mn to support plant conversion](#)

UK-based Green Biologics Inc. has raised \$76mn to support the acquisition and conversion of a Minnesota ethanol plant to produce n-butanol and acetone. The funding will also support continued development of the company's process technology platform

[www.ethanolproducer.com/articles/11850/green-biologics-raises-76-million-to-support-plant-conversion](http://www.ethanolproducer.com/articles/11850/green-biologics-raises-76-million-to-support-plant-conversion)

## [Deinove completes first key milestone of its Deinochem program](#)

Deinove, an industrial biotech company developing innovative processes for producing biofuels and bio-based compounds from Deinococcus bacteria, has reached the first milestone of its Deinochem green chemistry program, funded by the ADEME (French Environment and Energy Management Agency) in the framework of the French government initiative "Investing for the Future."

Consequently, Deinove will receive, in early February, approximately €1mn in the form of a

repayable advance.

[www.ethanolproducer.com/articles/11858/deinove-completes-first-key-milestone-of-its-deinochem-program](http://www.ethanolproducer.com/articles/11858/deinove-completes-first-key-milestone-of-its-deinochem-program)

## Energy Department announces 5 year renewal of funding for First Energy Innovation Hub

[www.enewspf.com/latest-news/science/science-a-environmental/58738-energy-department-announces-five-year-renewal-of-funding-for-first-energy-innovation-hub.html](http://www.enewspf.com/latest-news/science/science-a-environmental/58738-energy-department-announces-five-year-renewal-of-funding-for-first-energy-innovation-hub.html)

## Grant funds research into nanomaterials effect on feedstock yield

The Arkansas Science and Technology Authority has approved grant funding for a UALR biology professor who says nanomaterials could increase the germination rate and biomass yield of bioenergy crops.

[www.ethanolproducer.com/articles/11791/grant-funds-research-into-nanomaterials-effect-on-feedstock-yield](http://www.ethanolproducer.com/articles/11791/grant-funds-research-into-nanomaterials-effect-on-feedstock-yield)

## Sussex horticultural firm goes even greener thanks to £650k funding

Sussex-based Cobbins has acquired a biomass boiler which is the largest in the region to be installed with financial support from Lombard - the asset finance arm of NatWest.

The Ferring horticultural business has installed the new biomass boiler at its nine-acre site, where the company grows flowering pot plants and house plants for supply to garden centres.

The new biomass boiler – which replaces ageing coal and oil powered versions - will bring a number of benefits to the business including a minimum annual fuel saving of £70k.

<https://bdaily.co.uk/environment/27-01-2015/sussex-horticultural-firm-goes-even-greener-thanks-to-650k-funding/>

### Research & Development

## Brazilian doctoral candidate wins NEC scholarship

[www.ethanolproducer.com/articles/11829/brazilian-doctoral-candidate-wins-nec-scholarship](http://www.ethanolproducer.com/articles/11829/brazilian-doctoral-candidate-wins-nec-scholarship)

## Study yields surprising insights into the effects of wood fuel burning

The harvesting of wood to meet the heating and cooking demands for billions of people worldwide has less of an impact on global forest loss and carbon dioxide (CO<sub>2</sub>) emissions than previously believed, according to a new Yale-led study.

Writing in the journal Nature Climate Change, a team of researchers, concludes that only about 27 to 34 percent of wood fuel harvested worldwide would be considered "unsustainable." According to the assessment, "sustainability" is based on whether or not annual harvesting exceeds incremental re-growth.

[www.eurekalert.org/pub\\_releases/2015-01/ysof-sys012215.php](http://www.eurekalert.org/pub_releases/2015-01/ysof-sys012215.php)

## GE joins Sustainable Bioenergy Research Consortium

GE has become the latest in a number of high-profile companies to join the Sustainable Bioenergy Research Consortium (SBRC), according to recent news from the World Future Energy Summit and Abu Dhabi Sustainability Week. The consortium now consists of Masdar Institute, GE, Etihad Airways, Boeing, Honeywell UOP, and Safran.

The aim of this consortium is the development and support of technologies/approaches to producing "sustainable bioenergy" — which is to say (for the most part), aviation industry efforts to develop "next-gen" fuels. The SBRC was founded by The Masdar Institute of Science & Technology and a number of the other current members of the consortium.

[www.cleantechnica.com/2015/01/24/ge-joins-sustainable-bioenergy-research-consortium/](http://www.cleantechnica.com/2015/01/24/ge-joins-sustainable-bioenergy-research-consortium/)

## Argonne model analyzes water footprint of biofuels

A new version of an online tool created by the U.S. Department of Energy's Argonne National Laboratory will help biofuels developers gain a detailed understanding of water consumption of various types of feedstocks, aiding development of sustainable fuels that will reduce impact on limited water resources.

[www.ethanolproducer.com/articles/11851/argonne-model-analyzes-water-footprint-of-biofuels](http://www.ethanolproducer.com/articles/11851/argonne-model-analyzes-water-footprint-of-biofuels)

## Boeing, Embraer open aviation biofuel research center in Brazil

Boeing and Embraer have opened a joint sustainable aviation biofuel research center in a collaborative effort to further establish the aviation biofuel industry in Brazil.

[www.biodieselmagazine.com/articles/281259/boeing-embraer-open-aviation-biofuel-research-center-in-brazil](http://www.biodieselmagazine.com/articles/281259/boeing-embraer-open-aviation-biofuel-research-center-in-brazil)

## PNNL recognized for moving biofuel, chemical analysis innovations to market

PNNL Recognized for Moving Biofuel, Chemical Analysis Innovations to Market: Lab wins 2 Federal Laboratory Consortium awards for technology transfer.

Developing renewable fuel from wet algae and enabling analysis of complex liquids are two of the latest innovations Pacific Northwest National Laboratory has successfully driven to the market with the help of commercial partners.

As a result, the Federal Laboratory Consortium has honored the Department of Energy national laboratory with two 2015 Excellence in Technology Transfer awards. The consortium selected PNNL's two technologies from 57 nominations nationwide to be among 16 winners. PNNL has earned a total of 81 such awards since the program began in 1984. The 2015 awards will be presented April 29 at the consortium's annual meeting in Denver, Colorado.

[www.newswise.com/articles/pnnl-recognized-for-moving-biofuel-chemical-analysis-innovations-to-market](http://www.newswise.com/articles/pnnl-recognized-for-moving-biofuel-chemical-analysis-innovations-to-market)

## Researchers identify materials to improve biofuel processing

Using one of the largest supercomputers in the world, a team of researchers led by the University of Minnesota has identified potential materials that could improve the production of ethanol and petroleum products. The discovery could lead to major efficiencies and cost savings in these industries.

[www.ethanolproducer.com/articles/11863/researchers-identify-materials-to-improve-biofuel-processing](http://www.ethanolproducer.com/articles/11863/researchers-identify-materials-to-improve-biofuel-processing)

## York scientists shed further new light on biomass breakdown

Scientists at the University of York are part of a research team which has found that a recently discovered family of enzymes can degrade resistant forms of starch.

Earlier research established that the enzymes – lytic polysaccharide monooxygenases (LPMOs) – are able to degrade hard-to-digest biomass into its constituent sugars. But the enzymes -- which are secreted by both fungi and bacteria – have now also been shown to have the ability to chip away at other intractable materials such as resistant forms of starch.

[www.ethanolproducer.com/articles/11866/york-scientists-shed-further-new-light-on-biomass-breakdown](http://www.ethanolproducer.com/articles/11866/york-scientists-shed-further-new-light-on-biomass-breakdown)