



BIOFUELS

Sector Editor: Andrew White

Group hopes to help aviation biofuels move beyond pilot stage

CHICAGO — The commercial aviation industry has a clear path toward cleaner, more economical and more secure energy alternatives through the increased use of advanced biofuels developed in the Midwest, according to a report issued recently by the Midwest Aviation Sustainable Biofuels Initiative (MASBI).

MASBI produced the report following a yearlong analysis of the benefits that could be delivered from a robust sustainable aviation biofuels industry in the Midwest. MASBI is a coalition led by United Airlines, Boeing, Honeywell's UOP, the Chicago Department of Aviation and the Clean Energy Trust, along with an Advisory Council of more than 40 public and private organizations, chaired by Argonne National Laboratory.

For more information, visit www.masbi.org or call (312) 368-7533.

USDA gives notice of contract proposals to support advanced biofuels

WASHINGTON — United States Department of Agriculture (USDA) Secretary Tom Vilsack said the USDA is making available up to \$98.6 million to support the production of advanced biofuels, and an opportunity for eligible producers to submit applications. USDA remains focused on carrying out its mission, despite a time of significant budget uncertainty. This announcement is one part of the department's efforts to strengthen the rural economy.

The payments are provided through USDA Rural Development's Bioenergy Program for Advanced Biofuels, commonly referred to as the Advanced Biofuel Payment Program. It was established in the 2008 Farm Bill to support the expansion of advanced biofuel production.

For more information, visit www.usda.gov or call (202) 690-0498.

Bio-ethanol plant construction on target for start-up in early 2014

ST. LOUIS — Construction of POET-DSM Advanced Biofuels' first commercial cellulosic bio-ethanol plant is on schedule to start-up in early 2014. POET-DSM's Project LIBERTY will use bales of corn-cobs, leaves, husks and some stalk to produce 20 million gallons of cellulosic bio-ethanol annually, later ramping up to 25 million gallons. The plant is under construction in Emmetsburg, Iowa.

To date, the biomass receiving and grinding building, which will process an average of 770 tons of biomass per day of

operation, is nearly complete and workers are finishing concrete work inside. Fermentation and saccharification tank foundations are complete and the tanks continue to be erected. Additional completed work to date includes the facility's warehouse building, scale and the 22-acre biomass stackyard.

For more information, visit www.poetdsm.com or call (605) 965-2200.

BIO: Biofuels are essential to energy security

WASHINGTON — The Biotechnology Industry Organization (BIO) submitted comments to the House Committee on Energy and Commerce in response to the fourth in a series of white papers reviewing the Renewable Fuel Standard (RFS). The fourth white paper examined the goals and achievements of the RFS as part of national energy policy.

"The technology being developed by (cellulosic and advanced biofuel) companies, in large part due to the regulatory and financial certainty provided by the RFS, is helping the U.S. economy by mitigating the impact high and volatile global oil prices have on all facets of the economy and reducing gas prices at the pump for American consumers," wrote Brent Erickson, executive vice president of BIO's Industrial & Environmental Section. "The RFS2 has encouraged the commercialization of technologies helping to reduce the United States' overwhelming dependence on foreign oil."

For more information, visit www.bio.org or call (202) 962-9237.

Canadian government encourages innovative biofuel production

SARNIA, Ontario — Woodland Biofuels Inc. is receiving a contribution to operate a plant that will produce low-cost biofuel from waste. Under FedDev Ontario's Investing in Business Innovation initiative, Woodland Biofuels will receive a repayable contribution of up to \$800,000 to operate a plant to demonstrate the efficiency and scalability of cellulosic ethanol production using its unique technology. The patented technology uses a series of chemical reaction steps to produce cellulosic ethanol biofuel from plant materials, including agricultural and forestry waste.

Through the plant's operations, Woodland Biofuels will determine the optimal processes and procedures for producing cellulosic ethanol, preparing the company to construct commercial plants and license others to build plants that use Woodland's technology.

For more information, visit www.FedDevOntario.gc.ca or call (866) 593-5505.

BUSINESS UPDATE

Specialty engineering company launches joint venture

Knighthawk Engineering Inc.

Knighthawk Engineering Inc. recently launched a new joint venture, Knighthawk ETEC Inc. (KH-ETEC). KH-ETEC offers a complete project development solution and an engineering group focused on providing solutions for your complete waste to energy needs. The world is dealing with challenges to sus-

tires, coal, biomass and other residual products from existing human consumption.

KH-ETEC's solutions will ReFORM[®] these wastes to usable liquid fuels, electricity, distilled water and useful chemicals to help sustain society in an environmentally responsible way.

KH-ETEC has significant experience in a wide range of applications.

tain an energy driven society that creates numerous waste products. People can no longer simply dump their waste.

KH-ETEC has been developing solutions since 2010. These solutions range from very simple processes to entire plants using the latest technical solutions to convert many different waste products to usable energy. These waste products include municipal wastes, used

KH-ETEC provides a full spectrum of engineering professionals. The company's experienced team of professionals can provide a comprehensive array of engineering solutions in a variety of areas. KH-ETEC has significant experience in a wide range of applications covering industrial plants to aerospace. Its team can provide solutions to the most unique and challenging projects.

For more information, visit www.knighthawketec.com or call (281) 282-9200.



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