

Hugoton, Kansas Proposed Biorefinery Project

Corporation: Abengoa Bioenergy Biomass of Kansas, LLC

Corporate HQ: Chesterfield, Missouri

<http://www.abengoabioenergy.com>

Proposed facility location: Hugoton, Stevens County, Kansas

Description: Abengoa Bioenergy Biomass of Kansas, LLC (ABBK) plans to construct and operate a biomass-to-ethanol facility along with a traditional grain-to-ethanol facility located near Hugoton, Kansas. Abengoa's plans also include a biomass-to-energy facility in which all of the energy used to run the biorefinery will be produced on-site through gasification technology. This proposed hybrid biorefinery will have the capacity to produce about 100 million gallons of ethanol per year.

Technology:

- Enzymatic hydrolysis process for converting cellulosic (non-food based) feedstocks to ethanol and co-products, including valuable chemicals that could be used for making biomass-based plastics, for example
- Gasification technology to convert biomass to synthesis gas used to produce energy to help power the plant
- Traditional starch conversion process to produce ethanol from grain feedstocks, and distillers grains with solubles, a component of animal feed

Feedstocks:

- Waste products from crops produced within a 30-mile radius of the facility may include sorghum stubble, corn stover, switchgrass, and possibly other feedstocks that are available in the area
- Some feedstocks will also come from non-local sources

Participants: Abengoa Bioenergy New Technologies, Abengoa Bioenergy Biomass of Kansas, Abengoa Bioenergy Hybrid Kansas, Abengoa Bioenergy Trading, Antares Corporation

The U.S. Department of Energy:

ABBK also has a cooperative agreement with the U.S. Department of Energy (DOE), which will supply partial funding for the proposed biorefinery. As part of the agreement, ABBK could receive up to \$76 million and will be required to provide DOE with regular updates on the ethanol conversion process and lessons learned from using the technology.

Public scoping process includes:

- Public comment period from August 25 to October 9, 2008, both written and verbal comments accepted
- Public information meeting on September 10, 2008 in Hugoton, Kansas
- Preparation of an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act of 1969 (NEPA)
- Notice of Wetlands involvement

For more information, contact:

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For information on the DOE Biomass Program and NEPA process:

Biomass Program

<http://www1.eere.energy.gov/biomass/>

National Environmental Policy Act (NEPA)

<http://www.gc.energy.gov/NEPA//>

Send written comments to:

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*Envelopes for letters and subject lines of emails should be labeled “Abengoa EIS Scoping Comments”