

Grantee	DOE Grant Amount	Non-Fed Amount	Project Location (City)	Project Location (State)	Description
<b>1) Pilot and Demonstration Scale FOA – Pilot Scale</b>					
Algenol Biofuels Inc.	\$25,000,000	\$33,915,478	Freeport	TX	This project will make ethanol directly from carbon dioxide and seawater using algae. The facility will have the capacity to produce 100,000 gallons of fuel-grade ethanol per year.
American Process Inc.	\$17,944,902	\$10,148,508	Alpena	MI	This project will produce fuel and potassium acetate, a compound with many industrial applications, using processed wood generated by Decorative Panels International, an existing hardboard manufacturing facility in Alpena. The pilot plant will have the capacity to produce up to 890,000 gallons of ethanol and 690,000 gallons of potassium acetate per year starting in 2011.
Amyris Biotechnologies, Inc.	\$25,000,000	\$10,489,763	Emeryville	CA	This project will produce a diesel substitute through the fermentation of sweet sorghum. The pilot plant will also have the capacity to co-produce lubricants, polymers, and other petro-chemical substitutes.
Archer Daniels Midland	\$24,834,592	\$10,946,609	Decatur	IL	This project will use acid to break down biomass which can be converted to liquid fuels or energy. The ADM facility will produce ethanol and ethyl acrylate, a compound used to make a variety of materials, and will also recover minerals and salts from the biomass that can then be returned to the soil.

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Clearfuels Technology Inc	\$23,000,000	\$13,433,926	Commerce City	CO	This project will produce renewable diesel and jet fuel from woody biomass by integrating ClearFuels' and Rentech's conversion technologies. The facility will also evaluate the conversion of bagasse and biomass mixtures to fuels.
Elevance Renewable Sciences	\$2,500,000	\$625,000	Newton	IA	This project was selected to complete preliminary engineering design for a future facility producing jet fuel, renewable diesel substitutes, and high-value chemicals from plant oils and poultry fat.
Gas Technology Institute	\$2,500,000	\$625,000	Des Plaines	IL	This project was selected to complete preliminary engineering design for a novel process to produce green gasoline and diesel from woody biomass, agricultural residues, and algae.
HALDOR TOPSOE, INC.	\$25,000,000	\$9,701,468	Des Plaines	IL	This project will convert wood to green gasoline by fully integrating and optimizing a multi-step gasification process. The pilot plant will have the capacity to process 21 metric tons of feedstock per day.
ICM, Inc.	\$25,000,000	\$6,268,136	St. Joseph	MO	This project will modify an existing corn-ethanol facility to produce cellulosic ethanol from switchgrass and energy sorghum using biochemical conversion processes.
Logos Technologies	\$20,445,849	\$5,113,962	Visalia	CA	This project will convert switchgrass and woody biomass into ethanol using a biochemical conversion processes.

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Renewable Energy Institute International	\$19,980,930	\$5,116,072	Toledo	OH	This project will produce high-quality green diesel from agriculture and forest residues using advanced pyrolysis and steam reforming. The pilot plant will have the capacity to process 25 dry tons of feedstock per day.
Solazyme, Inc.	\$21,765,738	\$3,857,111	Riverside	PA	This project will validate the projected economics of a commercial scale biorefinery producing multiple advanced biofuels. This project will produce algae oil that can be converted to oil-based fuels.
UOP LLC	\$25,000,000	\$6,685,340	Kapolei	HI	This project will integrate existing technology from Ensyn and UOP to produce green gasoline, diesel, and jet fuel from agricultural residue, woody biomass, dedicated energy crops, and algae.
ZeaChem Inc.	\$25,000,000	\$48,400,000	Boardman	OR	This project will use purpose-grown hybrid poplar trees to produce fuel-grade ethanol using hybrid technology. Additional feedstocks such as agricultural residues and energy crops will also be evaluated in the pilot plant.

## 2) Pilot and Demonstration Scale FOA – Demonstration Scale

BioEnergy International, LLC	\$50,000,000	\$89,589,188	Lake Providence	LA	This project will biologically produce succinic acid from sorghum. The process being developed displaces petroleum based feedstocks and uses less energy per ton of succinic acid produced than its petroleum counterpart.
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Enerkem Corporation	\$50,000,000	\$90,470,217	Pontotoc	MS	This project will be sited at an existing landfill and use feedstocks such as woody biomass and biomass removed from municipal solid waste to produce ethanol and other green chemicals through gasification and catalytic processes.
INEOS New Planet BioEnergy, LLC	\$50,000,000	\$50,000,000	Vero Beach	FL	This project will produce ethanol and electricity from wood and vegetative residues and construction and demolition materials. The facility will combine biomass gasification and fermentation, and will have the capacity to produce 8 million gallons of ethanol and 2 megawatts of electricity per year by the end of 2011.
Sapphire Energy, Inc	\$50,000,000	\$85,064,206	Columbus	NM	This project will cultivate algae in ponds that will ultimately be converted into green fuels, such as jet fuel and diesel, using the Dynamic Fuels refining process.
<b>3) Increased funding to existing biorefinery projects</b>					
Bluefire LLC	\$81,134,686	\$223,227,314	Fulton	MS	This project will construct a facility that produces ethanol fuel from woody biomass, mill residue, and sorted municipal solid waste. The facility will have the capacity to produce 19 million gallons of ethanol per year.