

RD&D Awarded under USDA-DOA Joint Biomass Research & Development Initiative Solicitation

Project Title	Year	Dept.	Roadmap Main Category	Roadmap Sub-Category	Federal \$\$ Requested	Recipient/Main Proposer
1 Integration of Leading Biomass Pretreatment Technologies with Enzymatic Digestion and Hydrolyzate Fermentation Thermotolerant Biocatalyst for Biomass	FY03	DOE	Processing & Conversion	Bioconversion	\$1,882,866	Trustees of Dartmouth College
2 Engineering Thermotolerant Biocatalyst for Biomass Conversion to Products	FY03	DOE	Processing & Conversion	Bioconversion	\$1,437,620	University of Florida (Gainesville, FL)
3 Demonstration of the PureVision Biorefinery	FY03	DOE	Product Uses & Distribution	Biorefinery Integration	\$2,000,000	Pure Vision Technology, Inc. (Ft. Lupton, CO)
4 Platform Chemicals from an Oilseed Biorefinery	FY03	DOE	Processing & Conversion	Bioproducts	\$1,877,176	Cargill, Inc. (Minneapolis, MN)
5 Advanced Biorefinery Feedstocks	FY03	USDA	Feedstock Production	Feedstocks	\$2,000,000	Metabolix, Inc. (Cambridge, MA)
6 Research and Demonstration of Anaerobic System on a Large Dairy Farm	FY03	USDA	Processing & Conversion	Anaerobic Digestion	\$761,385	Utah State University
7 Animal Waste Management-Chicken Litter to Energy	FY03	USDA	Processing & Conversion	Thermochemical Conversion	\$1,136,936	Earth Resources, Inc.
8 New Technologies for the Production of Methyl Esters	FY03	USDA	Processing & Conversion	Thermochemical Conversion	\$1,826,648	West Central Cooperative (Ralston, IA)
9 Heterogeneous Catalyst Development for Biodiesel Synthesis	FY03	USDA	Processing & Conversion	Thermochemical Conversion	\$894,203	Clemson University (Clemson, SC)
10 Design and Demonstration of a Commercial Prototype for Onsite Production of High Purity Hydrogen from Farm Animal Wastes	FY03	USDA	Processing & Conversion	Thermochemical Conversion	\$204,603	New Energy Solutions, Inc.
11 Biomass Research and Development for the Production of Fuels, Chemicals, and Improved Cattle Feed.	FY03	USDA	Processing & Conversion	Biorefinery Intergration	\$1,400,000	Archer Daniels Midland Co. (Quincy, IL; Decator, IN)
12 Grain Value Process: Pre-Commercialization Trials	FY03	USDA	Processing & Conversion	Biorefinery Intergration	\$1,763,160	Grain Value, LLC (St. Paul, MN)
13 Coupled Processes for Bioenergy Production: Biological Hydrogen Links with Microbial Fuel Cells	FY03	USDA	Processing & Conversion	Bioconversion	\$614,913	Pennsylvania State University (University Park,
14 Biopolymers and Other Value-Added Products from Distillers' Dried Grains	FY03	USDA	Processing & Conversion	Bioconversion	\$1,000,000	Iowa State University (Ames, IA)
15 Biomass-Fired District Energy: A Source of Economic Development and Energy Security	FY03	USDA	Processing & Conversion	Cross Cutting	\$1,286,768	Local Energy (Tesuque, NM)
16 Steps Towards a Biorefinery Industry in Vermont	FY03	USDA	Processing & Conversion	Cross Cutting	\$746,912	Vermont's Alternative Energy Corporation
17 Biomass for Tomorrow's Energy and Greenhouse Gas Management Needs: An Economic, Engineering and Environmental Appraisal of Opportunities & Policies	FY03	USDA	Processing & Conversion	Cross Cutting	\$716,338	Texas Agricultural Experiment Station (College
18 Biomass Cogeneration Demonstration Plant at Central Minnesota Ethanol Cooperative	FY03	USDA	Processing & Conversion	Cross Cutting	\$2,000,000	Sebesta, Blomberg & Associates, Inc.
19 Feasibility of an Integral System for Improving the Economic and Environmental Performance of Poultry and Ethanol Production in North Alabama	FY03	USDA	Processing & Conversion	Cross Cutting	\$254,274	T.R. Miles, Technical Consultants, Inc. (Portland,
FY03 Total					\$23,803,802	