

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 Trace Metal Scavenging from Biomass Syngas with Novel High-Temperature Sorbents	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$769,376	Southern Research Institute
2 Biomass Gas Cleanup Using a Therminator	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$2,000,000	Research Triangle Institute
3 Catalytic Hydrothermal Gasification for Eastman Kingsport Chemical Production Plant	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$1,142,925	ANTARES Group Inc
4 Engineering New Catalysts for In-Process Elimination of Tars	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$1,995,932	Gas Technology Institute
5 Thermochemical Conversion of Corn Stover	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$1,989,365	Bioengineering Resources, Inc.
6 Advancement of High Temperature Black Liquor Gasification Technology	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$1,078,080	Weyerhaeuser Company
7 Cost-Benefit Analysis of Gasification for Fuels/Chemicals Production at Kraft Pulp Mills	FY04	DOE	Cross Cutting	Cross Cutting	\$552,620	Princeton University
8 Investigation of Pressurized Entrained Flow Draft Black Liquor Gasification in an Industrially Relevant Environment	FY04	DOE	Processing & Conversion	Thermochemical Conversion	\$779,069	University of Utah
9 New Sustainable Chemistry for Adhesives, Elastomers and Foams	FY04	DOE	Product Uses & Distribution	End-Products	\$2,000,000	Rohm and Haas Co.
1 Integrated Size Reduction and Separation to Pre-Fractionate Biomass	FY04	USDA	Feedstock Production	Feedstock Handling	\$717,319	University of Tennessee
2 Biomass Opportunity for Imperial, Nebraska Region: What is the Value?	FY04	USDA	Public Policy	Cross Cutting	\$2,000,000	Imperial Young Farmers & Ranch
3 Integrated Feedstock Supply Systems for Corn Stover Biomass	FY04	USDA	Feedstock Production	Feedstock Handling	\$1,999,724	Iowa State University
4 Fuel Cell Systems Operating on 100% Bio-Liquid Fuels	FY04	USDA	Product Uses & Distribution	End-Products	\$965,161	Technology Management Inc.
5 BioSep: A New Ethanol Recovery Technology for Small-Scale Rural Production of Ethanol from Biomass	FY04	USDA	Product Uses & Distribution	End-Products	\$1,032,045	Membrane Technology and Research, Inc.
6 Hayfork Biomass Utilization and Value Added Model for Rural Development	FY04	USDA	Public Policy	Cross Cutting	\$503,400	Watershed Research and Training Center
7 Development of a Wood Preservative System from Wood BioOil Fractions	FY04	USDA	Product Uses & Distribution	Cross Cutting	\$1,409,011	Mississippi State University, Forest Products Department
8 Technology Transfer and Education Programs for the Southern U.S.	FY04	USDA	Product Uses & Distribution	Cross Cutting	\$1,075,001	USDA Forest Service Southern Research Station
9 Development of Existing Biomass Resources through Education of Key Supply Bottlenecks	FY04	USDA	Public Policy	Education and Outreach	\$397,711	University of Minnesota
10 Sustainable Forestry for Bioenergy and Biobased Products	FY04	USDA	Public Policy	Education and Outreach	\$1,801,453	Southern Forest Research Partnership Inc.
11 Development of Workable Incentive Systems for Biobased Products, Biofuels and Biopower	FY04	USDA	Public Policy	Incentives	\$450,000	North Carolina State University
12 Small-scale, Biomass Fired Gas Turbine Plants Suitable for Distributed and Mobile Power Generation	FY04	USDA	Public Policy	Economic Analysis	\$241,933	Electric Power Research Institute
13 Design and Demonstration of a Commercial Prototype for Onsite Production of High Purity Hydrogen from Farm Animal Wastes	FY04	USDA	Processing & Conversion	Thermochemical Conversion	\$1,456,931	New Energy Solutions, Inc.
FY04 Total					\$26,357,056	