

Summary Table: U.S. Department of Energy's Research and Development Activities as They Relate to The Biomass Initiative's *Roadmap*

Roadmap Objective	DOE		
	2003	2004	2005
<b>II. Feedstock Production</b>	<b>\$6,176</b>	<b>\$7,230</b>	<b>\$4,148</b>
II.A. Biotechnology and Plant Physiology	<b>\$648</b>	<b>\$1,194</b>	<b>\$1,132</b>
Objective One - Plant biochemistry and Enzymes	\$481	\$1,194	\$1,132
Objective Two - Chemical/biological Pathways	\$167	\$0	\$0
II.B. Agronomic Practices	<b>\$3,130</b>	<b>\$3,534</b>	<b>\$846</b>
Objective Three - Agronomic Practices for Sustainability	\$3,130	\$3,534	\$846
II.C. Feedstock Handling	<b>\$2,398</b>	<b>\$2,502</b>	<b>\$2,170</b>
Objective Four - Collecting and Storing Feedstocks	\$2,398	\$2,502	\$2,170
<b>III. Processing and Conversion</b>	<b>\$60,926</b>	<b>\$64,198</b>	<b>\$53,955</b>
III.A. Thermo-chemical Conversion Pathways	<b>\$15,466</b>	<b>\$26,804</b>	<b>\$21,076</b>
Objective One - Thermochemical Conversion	\$15,466	\$26,804	\$21,076
III.B. Bio-conversion	<b>\$15,567</b>	<b>\$22,284</b>	<b>\$16,852</b>
Objective Two - Bioconversion Processes/Technologies	\$15,567	\$22,284	\$16,852
III.C. Biorefinery Integration	<b>\$29,893</b>	<b>\$15,110</b>	<b>\$16,027</b>
Objective Three - Biorefineries	\$29,893	\$15,110	\$16,027
<b>IV. Product Uses and Distribution</b>	<b>\$5,557</b>	<b>\$9,476</b>	<b>\$6,823</b>
IV.A. End-Products and Distribution Systems	<b>\$5,557</b>	<b>\$9,476</b>	<b>\$6,823</b>
Objective One - New Markets and Distribution	\$4,966	\$3,606	\$4,518
Objective Two - High Value Products	\$591	\$2,381	\$1,762
Objective Three - Distribution Systems and Rural Development	\$0	\$3,489	\$543
<b>V. Public Policy Measures to Support Biomass Development</b>	<b>\$5,768</b>	<b>\$6,139</b>	<b>\$16,777</b>
Objective One - Commercialization of Biobased Technologies	\$1,935	\$2,946	\$5,952
Objective Two - Institution and Policy Changes	\$0	\$0	\$0
Objective Three - Environmentally Sound/Sustainable Biomass	\$3,833	\$3,193	\$5,946
Objective Four - Rural Economic Development	\$0	\$0	\$4,879
<b>TOTAL FUNDING</b>	<b>\$78,427</b>	<b>\$87,043</b>	<b>\$81,703</b>

FY2003 and FY2004 do not include all Earmarked projects. DOE Funding Sources: OBP FY05 AOP, FY05 Spend Plan, GFO Earmarked Projects, Biomass R&D Portfolio 2004. Earmarked projects are not competitively awarded by DOE and do not necessarily reflect the Biomass Program's technical and strategic goals.