



U.S. Department of Energy
Energy Efficiency and Renewable Energy

FY04 Biomass Research & Development Initiative Joint Solicitation

**Presentation to:
Biomass Technical Advisory Committee**

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What Will Be Covered

- Solicitation Process Overview
- Schedule
- Technical Topics
- Evaluation Criteria
- Technical Rating Standards
- Evaluation Process Overview
- Results



- Pre-Application Round
 - 418 Pre-Applications received
 - 93 Approved for Formal Application Round
- Formal Application Round
 - 87 Applications received and evaluated
 - 34 Applications recommended for consideration
 - 22 Applications selected



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Schedule

Solicitation posted:	12/24/03
Pre-Applications due:	1/30/04
Announce Pre-Application acceptances:	3/2/04
Formal Applications due:	3/26/04
Selections announced:	7/15/04
Awards Complete:	9/04



- **DOE-1:**
 - Thermochemical Conversion – SynGas Cleanup & Conditioning and Pyrolytic Bio-Oils – Handling and Blending Characteristics
- **DOE-2:**
 - Thermochemical Conversion – Fundamental Breakthrough Research
- **DOE-3:**
 - Biomass – Petroleum Refinery Evaluations
- **DOE-4:**
 - Thermochemical Gasification – Kraft Black Liquor Gasification
- **USDA-5:**
 - Feedstock Development and Production
- **USDA-6:**
 - Biobased Products – Environmental and Economic Performance
- **USDA-7:**
 - Biomass Focused Forest Management Training
- **USDA-8:**
 - Incentives



Evaluation Criteria

Criterion Number	Criterion Title	Weight
1	Technical Relevance and Merit	30%
2	Technical Approach / Work Plan	25%
3	Energy Efficiency / Displacement, Rural Economic Development, Environmental Benefits	20%
4	Technical, Management, and Facility Capabilities	25%



Technical Rating Standards

- 9-10 Superior
- 7-8 Good
- 5-6 Satisfactory
- 3-4 Marginal
- 0-2 Unsatisfactory



- Step One:
 - Each reviewer individually reads and evaluates the Applications
 - Documents Strengths & Weaknesses, Scores
- Step Two:
 - The MRC group develops **consensus** Strengths & Weaknesses, Scores, and ranked list
- Step Three:
 - Applications considered by Program Policy Committee and Selection Officials



- DOE Selected
 - Nine applications for award
 - Total anticipated Federal funding: \$12.31 million
 - Total Project Value: \$16.84 million
- USDA Selected
 - 13 applications for award
 - Total anticipated Federal funding: \$13.17 million
 - Total Project Value: \$19.26 million