

Customer Breakout Session II: 8:50-10:00 AM, Wednesday, September 19, 2007

Group:	Conversion and Co-Products (3)
Facilitator:	Kevin Hicks
Recorder:	Chavonda Jacobs-Young
Presenter:	Steve Lewis

For your Component, what should be the Sub-Components?
Please make Sub-Components clear, concise and unambiguous

Recommended Sub-Components (in priority)	Relative Weight
Improved Utilization of Co-Products - All fuel types	35
Better Catalysts – Biochemical, Microbiological, Chemical – All Fuels	20
Better Pretreatment Technologies- Alcohol Fuels and Thermochemical Fuels	15
Ability to Handle Feedstock Variability – All Fuels	10
Integrated Process Technologies – All Fuels	5
Process Economics, Scalability, and Life Cycle Analysis – All Fuels	5
Improved Titer of Alcohol – Cellulosic based Alcohol Fuels	5
Fuel Properties, Performance and Quality Specifications – Biodiesel and Thermochemically derived fuels	5

For each sub-component, recommend research partnerships that ARS should continue or explore with external institutions (e.g., other Federal agencies, universities, National Labs, and/or industry) – please record on flipcharts

Recommended Partnerships
Improved Utilization of Co-Products - All fuel types FDA, AAFCO, ASTM, Interagency collaborations, Academia
Better Pretreatment Technologies- Alcohol Fuels and Thermochemical Fuels DOE, EPA, Interagency collaborations, Academia
Better Catalysts – Biochemical, Microbiological, Chemical – All Fuels DOE, Academia, Industry, Interagency collaborations
Integrated Process Technologies – All Fuels Industry, DOE, Interagency collaborations, Academia
Process Economics, Scalability, and Life Cycle Analysis – All Fuels ERS, Academia, Office of Energy Policy and New Uses, DOE
Ability to Handle Feedstock Variability – All Fuels Academia, Industry
Improved Titer of Alcohol – Cellulosic based Alcohol Fuels DOE, Interagency collaborations, Academia, Industry
Fuel Properties, Performance and Quality Specifications – Biodiesel and Thermochemically derived fuels EPA, DOT, DOE, Academia, ASTM, NIST