

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

Group:	Feedstock Production (1)
Facilitator:	Doug Karlen
Recorder:	Dave Archer, Larry Chandler
Presenter:	Jerry DeWitt

Recommended Sub-Components (in priority)	Relative Weight
Sustainability – environmental, energy, economics, cultural, greenhouse gases, SOC (tradeoffs between), carbon labeling and tracking	11
Logistics – harvesting, storage, transport, pre-processing, handling	11
Regionally optimized biofeedstock systems – crop species, double cropping, intercropping, perennial crops, agroforestry, livestock and livestock waste, invasives...	8
Agronomic management systems – best management practices, innovative practices (e.g. gray water use), energy efficiency	8
Technology and knowledge transfer – communication, outreach, demonstration, information collection and dissemination, education, participatory, new partnerships (e.g. NGOs)	8
Community and grower socio-economics – identify barriers to adoption, risk management and economics	5
New equipment systems for propagation, planting, seed harvest systems (e.g. rhizome planting)	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

- Agronomic management system
- Cropping system
- Logistics – handling, transportation, ...
- Environmental sustainability – water issues, soil erosion, ...
- Mixed diversified feedstock practices – developing mixed, diversified systems
- Technology transfer – participate in research
- Technology transfer including NAL, extension, OTT
- Variety improvement – increasing yield and biomass, improved tolerance to stress
- Carbon sequestration issues – carbon identification, end use of carbon
- Integrated agricultural systems – crop to bioenergy to co-product use
- Demonstration plots for new crops, management, ...
- Community and grower socio-economic readiness
- Risk management and economics
- Information for policy development & infrastructure to implement & science & farmer buy-in
- Tools to identify where crops should be placed in the landscape
- Diseases
- On-farm densification – scale
- Livestock into integrated system, 5 F's
- Energy efficiency and conservation
- Farm-scale conversion/value-added

- Residues
- Regionally optimized biofeedstock systems – crop species, double cropping, intercropping, perennial crops, agroforestry, livestock waste, invasives... {8}
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- Agronomic management systems – best management practices, innovative practices (e.g. gray water use), energy efficiency {8}
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- New equipment systems for propagation, planting, seed harvest systems (e.g. rhizome planting) {5}