Top Advancement Activities Recommended by Group:

1. Demonstration and Development of Advanced Logistics Systems

   – *Outcome:* Increase the rate of developing feedstock supply systems that can achieve cost, availability/reliability and consistency/quality in parallel with the development of biorefineries, so the systems are deployment-ready when biorefineries are ready (e.g., cattle feed, biopower/CHP markets)
2. Develop Feedstock Quality and Property Measurement Devices

- **Outcome**: Instruments that are adaptable to particular operations: fast, reliable, mobile, low-cost, widely available, attachable to farm equipment, easy to use, and provide wireless transmission of readings and results.
3. Publish Annual Estimates of Costs and Conversion Efficiencies by Feedstock and Conversion Process

– *Outcome*: Provide a public reference for benchmarking feedstock and conversion economics and efficiencies
  *• Identifies top R&D challenges and opportunities*
  *• Helps encourage investment*

– Addresses the lack of reliable, comprehensive, transparent, widely available information on costs and conversion efficiencies at each stage of the supply chain
4. Engage Broader Spectrum of Biomass Feedstock Development Stakeholders

– *Outcome:* Development of a more integrated environment (or approach) that facilitates rapid deployment of the feedstock supply chain for biorefinery projects
Key Reflections:

- We need more economists/financing people to provide their perspective – this will help validate and spur investment
- Reliable data is key – critical for benchmarking, identifying barriers and opportunities, and spurring investment
- Opportunities to uncover nuisances and issues that could become opportunities for valuable products
- Feedstocks were identified as a major issue for all the groups – the feedstock is the first step