



Carbon-Optimized Bioconversion

Breakout Questions – Day 2

Day 2 Questions

- ▶ What challenges (challenge areas) must be prioritized to address?
- ▶ What kinds of program outputs would be most meaningful?
- ▶ What metrics could be used to track progress and determine success?
- ▶ Are there unique program structures, program staging or “grand challenges” that might be employed to improve outcomes?
 - How can pathway development and bioprocess system engineering be promoted simultaneously?
- ▶ What limits or bounds should be considered or placed on feedstocks and for products/intermediates?
- ▶ What collaborative efforts should be established and maintained?
- ▶ What role should modeling (TEA and LCA) have on the monitoring and estimating metrics for success?
- ▶ How do these technologies scale? What are the business models? What are the limiting factors to development?