

Oils Utilization

(Questions for Day 2 of the Breakout Sessions- Focus on 2030 Goals)

Scope: Upon completion of the pathway cost target, determine how each pathway will reach its full potential and contribute to the President's Biofuels Initiative 2030 volumetric goal (replacing 30% of 2004 transportation fuel needs)?

Deliverables: Provide OBP with a realistic volumetric target for the biofuel(s) produced by the pathway and a feasible strategy for meeting the target within the 2030 timeframe. Identify and define one interim target for the pathway to meet in 2020.

Questions:

- What biofuels(s) will this pathway produce? Please quantify the yearly production that would be met by the pathway in 2030?
- Is the potential resource base and yield identified for this pathway in the Billion Ton Study feasible? Is this assumption aggressive or conservative?
- Do you view other pathways as complimentary or inhibitory to this pathway, and why?

The following questions apply to potential enhancements to these pathways, including; additional feedstocks, enhanced processing capabilities, etc.

- What barriers need to be overcome for the pathway to reach its potential (e.g., financial, feedstocks, environmental, conversion, market, and infrastructure)? Do the critical barriers change as the pathway yield increase?
- What R&D activities are needed for the pathway to reach its potential?
- What intermediate (2020) performance metric targets should be set by DOE for this pathway to successfully meet the 2030 goal? (e.g., financial, feedstocks, conversion, market and infrastructure)
- What, if any, environmental impacts (both positive and negative) will this pathway have on its surroundings (e.g., soil sustainability and water)
- What should be the federal role in the suggested efforts for overcoming the key barriers identified for this pathway?
- Identify potential and existing policies that would enable this Pathway to meet the goals (state and federal).
- What industrial strategic partnerships might enable the achievement of the 2030 goals?
- What is the likelihood of this pathway overcoming the barriers and fully contributing to the 2030 goal?
- DOE is considering investing in loan guarantee, commercialization demonstrations and 10% commercial validation programs, to help the technology pathways to meet the 2030 goal. How do you feel these financial incentives can be applied?
- Which of the above vehicles is most effective in commercializing and realizing the pathway, and launch an industry?