

## **Corn Wet/Dry Mill** **(Focus Questions for Day 2 - 2030 Goal)**

**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:**

#### **General:**

- Please quantify the maximum yearly ethanol production from corn. When do you see the industry meeting the ceiling?
- What other cereal grains can contribute to the petroleum displacement? How much could they contribute?
- Do you view other pathways as complimentary or inhibitory to this pathway, and why?

**Pathway:** The following questions apply to potential enhancements to this pathway, including; additional feedstocks, enhanced processing capabilities, etc.

- What supplemental (2020) performance metric targets should be set by DOE for this pathway to successfully meet the 2030 goal? (e.g., financial, feedstocks, conversion, market, infrastructure)
- Identify the potential barriers and the R&D needed to overcome these barriers for the pathway to reach its potential. Do the critical barriers change as the pathway yield increase? (e.g., financial, feedstocks, conversion, market, infrastructure)
- What, if any, environmental impacts (both positive and negative) will this pathway have on its surroundings (soil sustainability, water, etc)
- 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).
- DOE is considering investing in loan guarantee, commercialization demonstrations and 10% commercial validation programs, to help the technology pathways to meet the 2030 goal. To which of the R&D needs you've identified should these financial incentives be applied.
- 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?