

# Agenda: Gen-1 Ethanol Opportunities—Improving Lifecycle GHG Benefits of Existing Biofuel Production

U.S. Department of Energy (DOE), Bioenergy Technologies Office (BETO)

February 1, 2022

*(Agenda subject to change)*

**Tuesday, February 1, 2022**

Time (MT)	Agenda Item	Speaker
9:00 a.m.	Introductions	Marykate O'Brien, DOE BETO
9:15 a.m.	Industry Plenary	Scott Richman, Renewable Fuels Association (RFA)
9:35 a.m.	Tech Plenary	Michael Wang, DOE
9:55 a.m.	Breakout Session Introduction	Marykate O'Brien, DOE BETO
10:00 a.m.	Technology Breakout Session <ul style="list-style-type: none"> <li>• 10 min. break to access links, get coffee, etc.</li> <li>• Icebreaker/Technology Test: Name and Organization</li> </ul>	Facilitators
10:10 a.m.	Q1: Conversion Facility: What is the existing technology, within the conversion facility, for lowering CI scores and greenhouse gas (GHG) emissions for the ethanol industry?	Facilitators
10:25 a.m.	Q2: Conversion Facility: Technology gaps? What technology could be developed or improved, within the conversion facility, to lower CI scores and GHG emissions for the ethanol industry? (Includes Prioritization)	Facilitators
10:50 a.m.	Q3: Ag/Farming: What is the existing technology, within corn farming/agriculture, for lowering CI scores and GHG emissions for the ethanol industry?	Facilitators
11:05 a.m.	Q4: Ag/Farming, Technology Gaps? What technology could be developed or improved, in corn farming/agriculture, to lower CI scores and GHG emissions for the ethanol industry? (Includes Prioritization)	Facilitators
11:35 a.m.	5 min. break	
11:40 a.m.	Q5: Other Areas for Tech to reduce CI scores? <ul style="list-style-type: none"> <li>• Type in any other ideas you might have that we haven't covered here)</li> </ul>	Facilitators
11:50 a.m.	Q6: Other/additional Product opportunities? Type in any conversion/upgraded product opportunities/pathways, including sustainable aviation fuels (SAF)	Facilitators
12:00 p.m.	Open Discussion - 15min	Facilitators
12:15 p.m.	Lunch Break	
12:45 p.m.	Data, Modeling, and Analysis Gaps Plenary	Zia Haq, DOE BETO

# Agenda: Gen-1 Ethanol Opportunities—Improving Lifecycle GHG Benefits of Existing Biofuel Production

U.S. Department of Energy (DOE), Bioenergy Technologies Office (BETO)

February 1, 2022

*(Agenda subject to change)*

1:00 p.m.	Data, Modeling, and Analysis Gaps Breakout Session <ul style="list-style-type: none"> <li>5 min. break to access links, get coffee, etc.</li> </ul>	Facilitators
1:05 p.m.	Q7: How does the industry currently model its carbon use and emissions?	Facilitators
1:15 p.m.	Q8: Data – What are the gaps? <ul style="list-style-type: none"> <li>What is the motivation for collecting this information and what data does industry need to collect to meet their goals?</li> <li>What are the metrics to collect?</li> </ul>	Facilitators
1:25 p.m.	Q9: What technology needs to be developed to get this necessary data? <ul style="list-style-type: none"> <li>Prompts: Process Units? Control Systems?</li> <li>Can government fill a niche in developing models to make it easier for industry to access data and modeling tools?</li> </ul>	Facilitators
1:35 p.m.	Q10: Ideas on how to collect, store, and disseminate data? <ul style="list-style-type: none"> <li>Prompts: BioRestore Funding Opportunity Announcement (FOA), The Greenhouse Gases, Regulated Emissions, and Energy Use in Technologies (GREET) Century Model</li> </ul>	Facilitators
1:45 p.m.	Open Discussion – 10 min.	Facilitators
1:55 p.m.	Closing Remarks	Marykate O’Brien, DOE BETO
2:00 p.m.	Adjourn	