

GASIFICATION TECHNOLOGY STATUS AND PATHWAYS FOR NET-ZERO CARBON ECONOMY WORKSHOP

“ Discussion and exchange of ideas for utilization of alternative feedstocks for future energy systems ”

Wednesday, April 24, 2024
Sheraton Station Square, Pittsburgh, PA



AGENDA

1:15 – 1:40 pm Introduction and DOE/NETL Presentations

Welcome and Workshop Objectives – Jai-Woh Kim, DOE/FECM

Overview of Recent DOE RFI Responses – Jonathan Lekse, NETL

Review of the Workshop Format – Massood Ramezan

1:40 – 2:40 pm Breakout Sessions (facilitated)

1. Component Level R&D Needs
 - a. Gasifier design for alternative feedstocks – systems tradeoffs
 - b. Feed systems (feedstock preparation)
 - c. Syngas cleanup (tar management, carbon conversion)
2. Supply Chain for Alternative Feedstocks
 - a. Environmental/Water Management
 - b. Transportation
3. Markets and Products
 - a. Modular systems
 - b. Net-zero carbon emission

2:40 – 3:15 pm Report out by Breakout Session Leads

3:15 – 3:30 pm Open Forum and Wrap-Up – Jonathan Lekse, NETL



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