



# Introduction

## DOE/NETL 45Q Carbon Oxide Conversion LCA Training Workshop

Greg Cooney – DOE Office of Carbon Management, Policy & Analysis  
July 17, 2024



U.S. DEPARTMENT OF  
**ENERGY**

Fossil Energy and  
Carbon Management



Fossil Energy and  
Carbon Management



# Background

## What is the DOE role in the 45Q LCA review process?

- DOE provides technical support to the IRS in the form of reviews and consultative guidance based on the LCA requirements in 45Q for carbon oxide utilization
- DOE does not make final eligibility determination for 45Q credits

## Why are we holding this training workshop?

- Close gaps that we have identified as part of technical review support for IRS
- Provide overview of the tools and resources that NETL has developed
- Review new additions to the NETL toolkit



# Agenda

Time	Lead	Topic
1:00 – 1:10	USEA <b>Michael Moore</b>	Welcome and logistics
1:10 – 1:20	DOE – FECM <b>ASFE Brad Crabtree</b>	Keynote
1:20 – 1:40	DOE – FECM <b>Greg Cooney</b>	Introduction
1:40 – 2:30	DOE – NETL <b>Michelle Krynock</b>	Overview of NETL toolkit - Review guidance and toolkit, addendum updates, standard data, checklists
2:30 – 2:45	Break	Break
2:45 – 3:15	DOE – NETL <b>Michelle Krynock</b>	Example walk through
3:15 – 3:45	DOE – FECM <b>Emily Connor</b>	UP Grants – program overview, expansion to LCA support for emerging tech
3:45 – 4:15	DOE – FECM, NETL <b>All</b>	Open discussion and Q&A
4:15 – 4:30	DOE – FECM <b>Greg Cooney</b>	Closing remarks



# Logistics

- Recording
  - Workshop will be recorded for future use
  - Slides will also be posted
- Q&A
  - In-person: Mentimeter via menti.com (use code 2130 5446),
  - Virtual - Zoom Q&A
  - Clarifying Q&A following each presentation
  - Broader Q&A at the end
  - Sharing with IRS/Treasury
  - Follow up and post Q&A to NETL FAQ site:  
<https://netl.doe.gov/LCA/co2u/45Q/faq>



# Workshop Framing



## What will we discuss today

- Technical details and requirements for completing the LCA
- High-level observations from LCA reviews
- NEW NETL data/guidance to streamline process
- NEW routes to getting feedback on pre-commercial LCAs

## What we cannot discuss today

- Policy-related matters
- Application-specific items
- Eligibility determinations
- Data that would constitute taxpayer information – e.g., # apps, sectors, concurrences, etc.



# Contact

**DOE UPGrants:** [UPGrants-vendors@netl.doe.gov](mailto:UPGrants-vendors@netl.doe.gov)

**DOE 45Q LCA:** [lca45q@hq.doe.gov](mailto:lca45q@hq.doe.gov)

**IRS 45Q:** [lbi.eef.45qlca@irs.gov](mailto:lbi.eef.45qlca@irs.gov)