This webinar will start shortly.
Public Outreach Events

Annual NYS GHG Emissions Report Overview
• 3/22/2021 3:00pm

Oil and Gas Accounting Technical Conference
• 3/26/2021 10:00am-1:00pm

Net Accounting
• 3/29/2021 3:00pm
Opening, Office of Climate Change
Background on Oil and Gas Accounting, Division of Air Resources

• Measurement-based approaches to quantify oil and gas methane emissions.
  David Lyons, Environmental Defense Fund
• NYSERDA Oil and Natural Gas Sector Methane Emissions Inventory
  Jonathan Dorn, Abt Associates
• Upstream Fuel Cycle Emission Approaches and Sensitivities: Methodologies and Results
  Danny Hage, Ben Young, Sarah Cashman, Eastern Research Group

Open Q&A and Public Input Session
Office of Climate Change

Suzanne Hagell
The CLCPA requires the DEC to issue a Greenhouse Gas Emission Report

Article 75 of the Environmental Conservation Law

- ECL 75-0101 Definitions
- ECL 75-0103 Climate Action Council
- ECL 75-0105 Statewide Greenhouse Gas Emission Report
- ECL 75-0107 Statewide Greenhouse Gas Emission Limits

Please also see rulemaking documents for Part 496 for additional background.
Annual Report Process

• DEC will be issuing a report on an annual basis following this general schedule.
• DEC is taking input at any time and will be making continual improvements indefinitely.
• Today’s public hearing addresses methodology and analysis used in initial report.
Today’s Presentation:

• This second outreach event will provide technical discussions regarding the estimation of fugitive emissions:
  • Within New York State.
  • Across the fuel cycle or associated with the extraction and transmission of fossil fuels imported into New York State.
CLCPA “Statewide GHG Emission” Scope

Fuel System Example

Within New York

Combustion

Transmission and Distribution

Extraction and Processing

Governmental GHG Inventory

CLCPA Addition

Not in Scope

Outside of New York
Goals & Expectations

• Solicit information on methods used to calculate greenhouse gas emissions from the oil and natural gas sector.
• Emissions calculated with the selected methodologies will be used in the annual GHG Inventory Report and to inform policy decisions.
Years & Timing

- Typical inventory years
- 2-3 year delay
Production
- Drilling and Well Completion
- Producing Wells
- Gathering Lines
- Gathering and Boosting Compressors

Natural Gas Transmission & Storage
- Transmission Compressor Stations
- Transmission Pipeline
- Underground Storage

Processing
- Gas Processing Plant

Distribution
- Distribution Mains
- City Gate
- Customer

(Adapted from American Gas Association and EPA Natural Gas STAR Program)
Terminology: Up-, Mid-, & Downstream

Upstream

Midstream

Downstream

In State
Terminology: Life Cycle Emissions

“Upstream Out-of-State”

“In State”
Components Covered for Life Cycle Emissions

**Fuel System Example**

- Within New York
  - Combustion
  - Transmission and Distribution
  - Extraction and Processing

- Governmental GHG Inventory
- CLCPA Addition
- Not in Scope

- Outside of New York
Terminology: Bottom-up & Top-down

"Bottom-up" estimates measure emissions from a representative sample of devices.

“Top-down" measurements can be performed at a regional scale using aircraft, satellites, and other tools.
Discussion & Questions
Discussion and Questions

Please provide input on:
• Methods, analysis, and data sources
• The annual process for continual improvement

You can send comments anytime to: climate.regs@dec.ny.gov