

National Biogas/RNG Data Collection by EIA

ABC Webinar

June 18, 2020

Today's Speakers



Mike Kopalek
*Operations Research
Analyst*

**US Energy Information
Administration**



Patrick Serfass
Executive Director

American Biogas Council
(Moderator)

Quick Notes



You should be able to hear me talking now. If you can't, use the questions module to describe your issue.

Two Audio Options: Phone or Computer
Choose one and connect

Pro tip: Don't call in on our phone if your audio is set to "Mic and Speakers"

Ask questions using the Questions Panel on the right side of your screen at any time.

The recording of the webinar and the slides will be available after the event. We will post them online and send you a link.

The screenshot shows the GoToWebinar interface. At the top, there's a menu with 'File', 'Options', 'View', and 'Help'. Below that, a yellow banner reads 'Attendees still on hold' with instructions to 'Press *1 to Start the Broadcast for all attendees.' and a checked box for 'Record on start'. A sidebar on the left contains icons for navigation. The main content area is divided into two sections. The top section, labeled 'Audio', shows options for 'Computer audio' (unselected) and 'Phone call' (selected). It also displays dialing information: 'Dial: +1 (415) 655-0052', 'Access Code: 147-638-497 #', and 'Audio PIN: 79 #'. Below this is a 'Problem dialing in?' link. The bottom section, labeled 'Questions', shows a table with columns for 'Question' and 'Asker'. The table is currently empty. At the bottom of the interface, there are options to 'Send Privately' or 'Send to All', and a status bar showing 'Webinar Now' with ID '815-417-091' and the GoToWebinar logo.

← Audio

← Questions

Who We Are



The only US organization representing the entire biogas industry

All sectors represented

- Project developers/owners
- Equipment retailers and dealers
- Waste management companies
- Waste water companies
- Farms
- Utilities
- Municipalities
- Consultants and EPCs
- Financiers, accountants, lawyers and engineers
- Non-profits, universities and government agencies

200+
organizations
2,000+
individuals



The US Biogas Market



Current

255 on Farm

1,269 Water

66 Food Scrap

645 at Landfills

Potential

8,300 on Farm

4,000 Wastewater

1,000 Food Scrap

440 at Landfills

14,000+
Potential
New Biogas
Systems

2,200+
Operational
Biogas
Systems

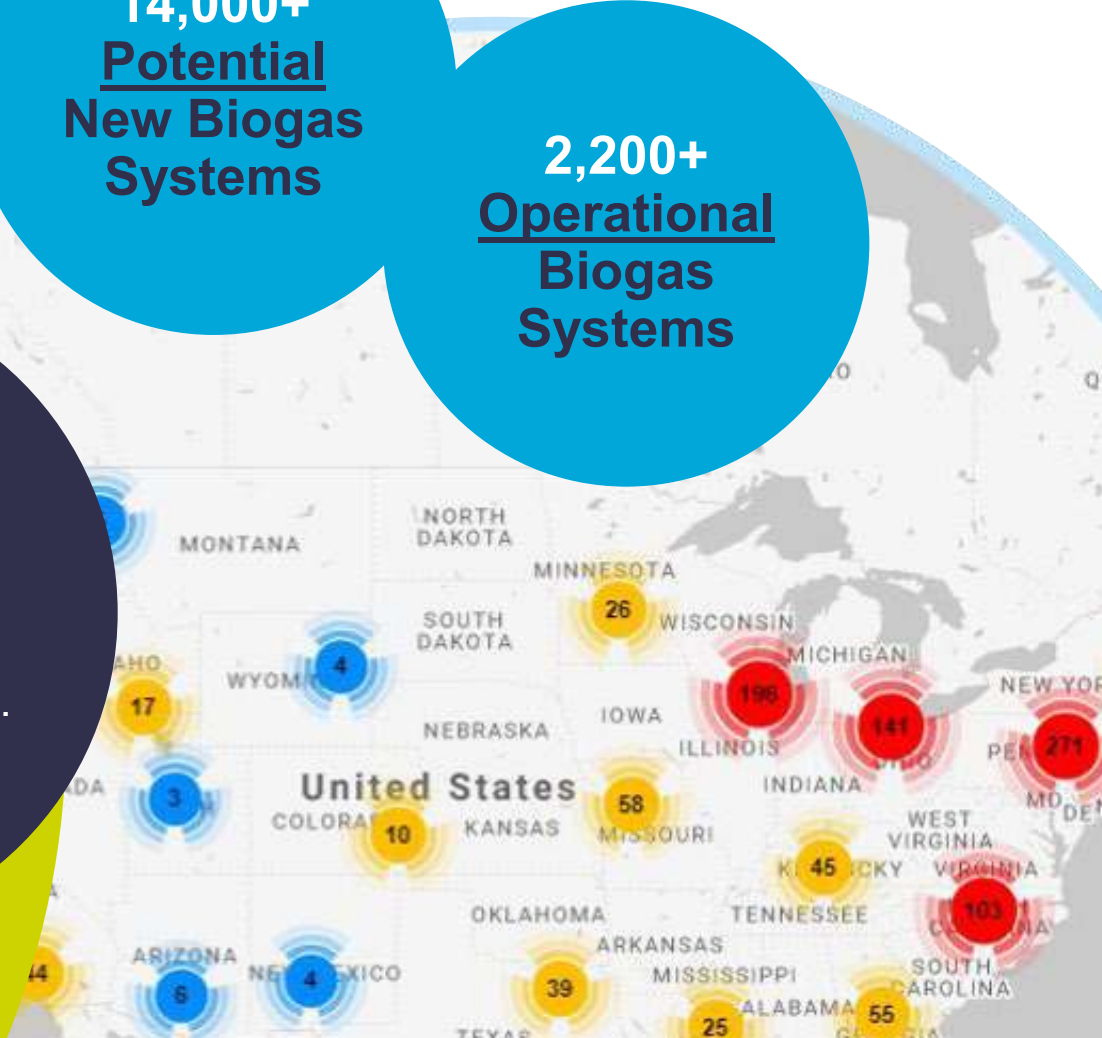
Breaking down 222
Dairy Biogas
Systems....

1: > 20,000 cows

6: 10,000-20,000 head

16: 5,000-10,000 head.

**Total LARGE farm
digesters: 10%**



Mike Kopalek, US Energy Information Administration



Mike Kopalek is currently an Operations Research Analyst at the U.S. Energy Information Administration (EIA), where he has worked for 10 years. He leads the Natural Gas Monthly and Natural Gas Annual publications and manages EIA's natural gas consumption surveys. He is currently overseeing the triennial Office of Management and Budget clearance package for the natural gas survey forms. He holds both a BA and MA in Economics.



Proposed Changes to EIA's Natural Gas Surveys



For

American Biogas Council

June 18, 2020 | Washington, DC

By

Michael Kopalek, EIA Office of Energy Statistics

Overview

- Into to EIA
- EIA's Natural Gas Survey Program
- Office of Management and Budget (OMB) Process Overview
- Proposed Changes to Survey Forms
- EIA Data Products
- Closing

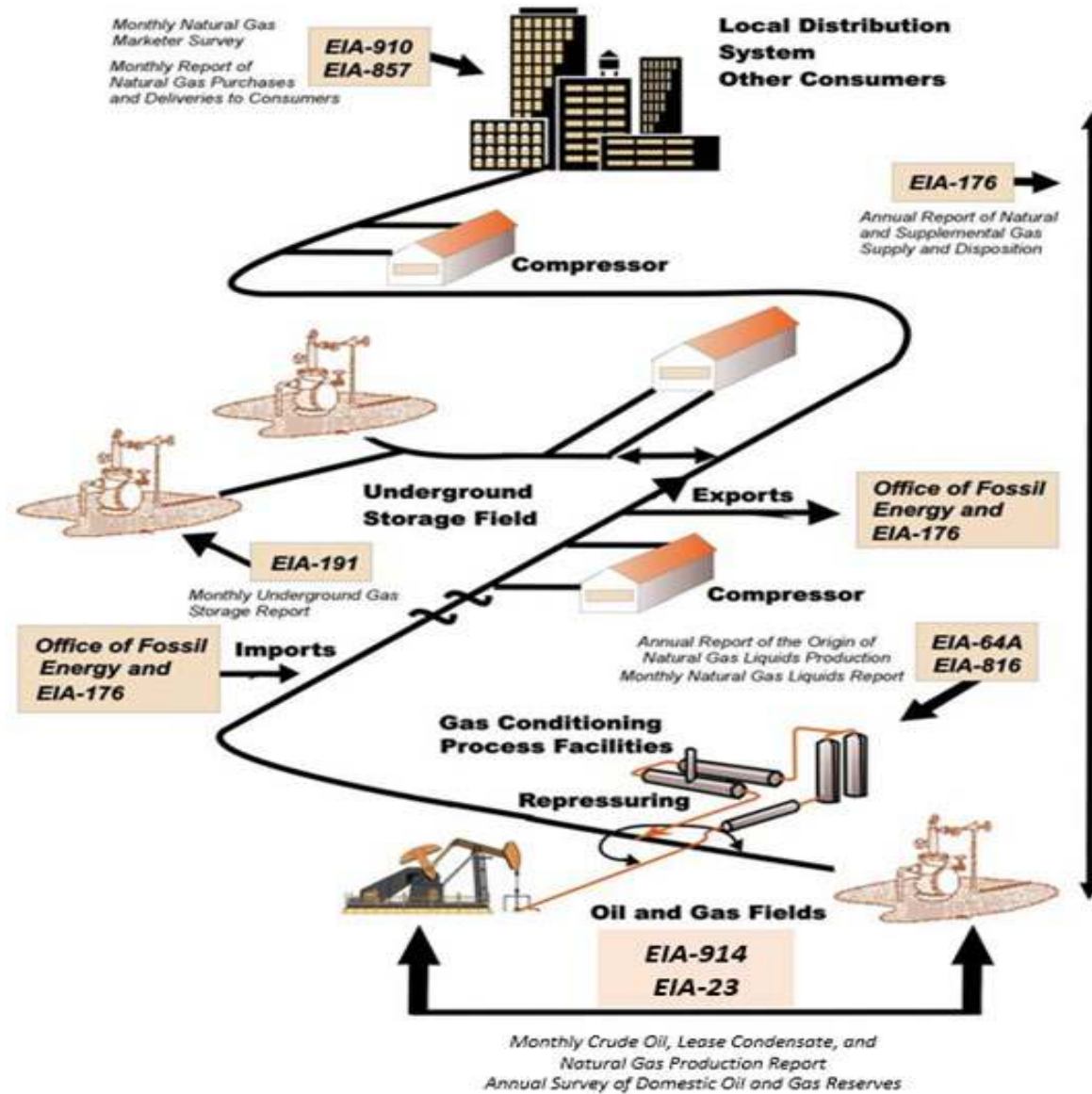
Quick intro to EIA

- The U.S. Energy Information Administration (EIA) was created by the U.S. Congress in 1977.
- EIA collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment.
- EIA is the Nation's premier source of energy information and, by law, its data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government.
- EIA does not propose or advocate any policy positions.

EIA's Natural Gas Survey Program

- EIA's natural gas survey program aims to capture data from “wellhead to burner tip” for every state as well as the whole country.
- EIA collects data on all aspects of natural gas markets: production, consumption, distribution storage, imports/exports, prices, heat content
- EIA is constantly assessing national picture to make sure we are aware of important phenomena and drivers.
- EIA updates its survey program to potentially capture new or different data items to show a more complete picture of natural gas markets.

Natural Gas Data Collection Program



OMB Process Overview

- EIA surveys require authorization from the Office of Management and Budget (OMB) every three years
- Natural gas downstream forms expire January 2021
- EIA posts information about the process and survey forms on its website
- Forms are submitted for OMB approval in Fall 2020
- Public comments requested:
 - ❖ 60-Day FRN (June 2020)
 - ❖ 30-Day FRN (Fall 2020)

Overview of Proposed Changes to Natural Gas Surveys

Survey	Frequency	Changes
EIA-857: <i>Monthly Report of Natural Gas Purchases and Deliveries to Consumers</i>	Monthly	No changes
EIA-176: <i>Annual Report of Natural and Supplemental Gas Supply and Disposition</i>	Annual	Begin collecting production and consumption data from producers of biogas and renewable natural gas that deliver gas to end-users.
EIA-191: <i>Monthly Underground Gas Storage Report</i>	Monthly	Addition of new survey, EIA-191L, which collects monthly storage stocks from any aboveground LNG storage facility.
EIA-912: <i>Weekly Underground Natural Gas Storage Report</i>	Weekly	Begin collecting storage data from active marine terminals that import or export LNG
EIA-910: <i>Monthly Natural Gas Marketers Survey</i>	Monthly	No changes
EIA-757: <i>Natural Gas Processing Plant Survey</i>	Triennial	No changes

Expansion to Form EIA-176, *Annual Report of Natural and Supplemental Gas Supply and Disposition*

- EIA is considering expanding the scope of the annual consumption survey, the EIA-176, to cover producers of biogas and renewable natural gas (RNG) that deliver natural gas to end-users.
- EIA currently collects RNG consumed by power plants monthly, but it does not collect any data on consumption for vehicle fuel or industrial use.
- EIA will report aggregated state-level aggregates annual publications, and provide detailed data in the EIA-176 query system.
- RNG is growing and many states are implementing policy to promote its growth.
- These data will provide a more complete and accurate picture of renewables in the United States, and inform our analyses and forecasts.

Addition of Form EIA-191L, *Monthly Liquefied Natural Gas Storage Report*

- EIA is considering collecting monthly natural gas storage stocks from aboveground LNG storage facilities.
- LNG exports are growing, and LNG is an important source of supply during the coldest days of winter.
- EIA currently only collects LNG stocks on an annual basis.

Expansion to Form EIA-912, *Weekly Natural Gas Storage Report*

- EIA is considering collecting weekly natural gas storage stocks from the small number of marine terminals that import and/or export LNG.
- LNG exports are increasing, and this would give a more thorough snapshot of how much natural gas is in storage each week.
- Data would remain CIPSEA protected (EIA's highest level of data confidentiality) and treated as other EIA-912 data.
- EIA would to publish aggregated data in the *Weekly Natural Gas Storage Report*, aggregated regionally.

EIA's Natural Gas Products

Daily:

Today in Energy: <https://www.eia.gov/todayinenergy/>

New England Dashboard: <https://www.eia.gov/dashboard/newengland/overview>

Southern California Dashboard: <https://www.eia.gov/special/disruptions/socal/winter/>

Hourly Electric Grid Monitor:

https://www.eia.gov/beta/electricity/gridmonitor/dashboard/electric_overview/US48/US48

Weekly:

Weekly Natural Gas Storage Report: <http://ir.eia.gov/ngs/ngs.html>

Weekly Petroleum Status Report: <https://www.eia.gov/petroleum/supply/weekly/>

Natural Gas Weekly Update: <https://www.eia.gov/naturalgas/weekly/>

This Week in Petroleum: <https://www.eia.gov/petroleum/weekly/>

Gasoline and Diesel Fuel Update: <https://www.eia.gov/petroleum/gasdiesel/>

EIA's Natural Gas Products

Monthly:

Natural Gas Monthly: <https://www.eia.gov/naturalgas/monthly>

Short-term Energy Outlook: <https://www.eia.gov/outlooks/steo/>

Drilling Productivity Report: <https://www.eia.gov/petroleum/drilling/>

Monthly Energy Review: <https://www.eia.gov/totalenergy/data/monthly/>

Annual:

Natural Gas Annual: <https://www.eia.gov/naturalgas/annual>

Annual Energy Outlook: <https://www.eia.gov/outlooks/aeo/>

International Energy Outlook: <https://www.eia.gov/outlooks/ieo/>

State Energy Data System: <https://www.eia.gov/state/?sid=US>

Thank you for participating!

- Please send any feedback to Michael.Kopalek@eia.gov
- You can view the 60-day FRN here:
<https://www.eia.gov/survey/frn/naturalgas/FRN-60-Day-NG-April-28-2020.pdf>
- You can view all proposed changes to EIA natural gas forms and instructions here: <https://www.eia.gov/survey/notice/ngdownstreamforms2020.php>
- Note that comments are due by June 29, 2020
- After this 60-Day FRN will be a 30-Day FRN that will include any modifications to the proposed package, and stakeholders will be able to comment on that as well.

Let us answer your questions!



Use the
**QUESTIONS
PANEL**
on the right
side of your
screen.



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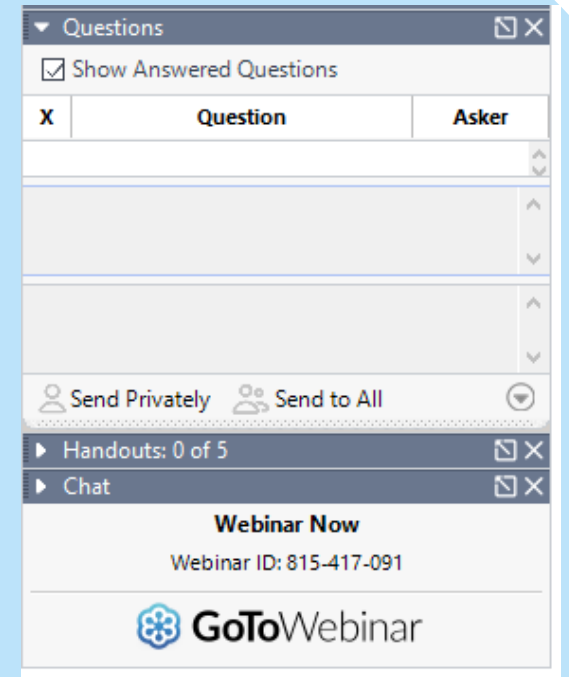


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All questions and
comments will be
recorded.

We expect the
recording of the
webinar and
slides to be
available
tomorrow for all
ABC Members
and webinar
registrants



Thank you!

Don't forget to fill out our **survey** after the webinar

Become a member!

- Receive regulatory and policy intelligence
- Connect with other biogas and anaerobic digestion leaders
- Support the industry's growth and outreach

Thanks for attending!