Captured Biogas in the United States: American Biogas Council Addresses Landfill Gas Capture Systems



Walter Wright, Jr.
wwright@mwlaw.com
(501) 688.8839

07/16/2026

The American Biogas Council ("ABC") issued a July 7th news release discussing the role of landfills in generating renewable natural gas production ("RNG").

The data is based on research undertaken by ABC.

ABC describes its organization as serving as the voice of the U.S. biogas industry, representing all companies working to recycle organic waste into clean, locally made energy and fertilizer.

Biogas is an energy-rich gas produced by anaerobic decomposition of biogas. Solid waste from landfills a source of biogas which is produced naturally by anaerobic bacteria within the landfills.

Information provided in the news release includes:

- 598 landfill gas capture systems provide about three-quarters of all biogas captured in the U.S. and produce 64% of the nation's RNG.
- Developers brought 20 new landfill gas projects online in 2025.
- The referenced facilities added 39.9 billion cubic feet of new biogas capture capacity, which is stated to constitute about 75% of all new U.S. biogas capture capacity added last year across all biogas sectors.
- Although landfill gas systems represent fewer than one-quarter of the nation's 2,580 operating biogas facilities, they account for approximately three-quarters of all biogas captured for energy.
- More than 559 billion cubic feet (Bcf) of landfill gas is now captured annually across the U.S.
- Since the end of 2020, 93 new landfill gas projects have come online, an 18.4% increase. All but nine of these newest facilities produce RNG.
- Landfill-derived RNG supplies approximately 143.7 million MMBtu annually.
- Total estimated investment in landfill gas facilities has reached nearly $14.9 billion, including nearly $1 billion invested in projects entering service during 2025.
- All landfill gas facilities capture enough energy to meet the annual needs of nearly 3.9 million U.S. households.
- Approximately 705 additional landfills remain suitable for landfill gas development.
- Untapped sites are estimated to be able to provide as much as 455 billion cubic feet of additional biogas annually.

A copy of the news release can be found here.