

# Archaea Energy

Archaea Energy is the largest producer of renewable natural gas (RNG) in the US. RNG is a pipeline-quality, low-carbon fuel that is interchangeable with traditional natural gas. It is a form of biogas and a product of decomposing organic material at sites including landfills, farms and wastewater treatment facilities.



Demand for RNG is quickly growing, and bp is the largest producer in the US after acquiring Houston-based Archaea Energy in late 2022.

Archaea, independently and through its joint ventures (JV), operates with a presence in 32 states – including Pennsylvania, Virginia, Maine, North Carolina, California, Michigan, Indiana, Oklahoma, Kentucky, Wisconsin and Tennessee. Its facilities capture biogas from waste and then use it to generate renewable electricity or convert the fuel to RNG for the market.

## Archaea turns waste into RNG – at scale

With an extensive project development pipeline, Archaea's operating sites include landfill-gas-to-RNG plants, anaerobic digesters and landfill-gas-to-electric facilities.

Archaea has an industry-first platform – the Archaea Modular Design (AMD) – that streamlines and accelerates the time it takes to construct RNG plants. Traditionally, RNG plants have been custom-built, but the AMD allows plants to be built on skids with interchangeable components for efficient construction.

In April 2024, Archaea brought online one of its largest modular RNG plants in Kansas. In August 2024, Archaea and Republic Services started up the first RNG plant in their Lightning Renewables joint venture, located in Fort Wayne, Indiana – the first of around 40 landfill-gas-to-RNG projects targeted by the JV.



9  
RNG plants started  
up by Archaea in 2024

~11 million  
MMBtus Archaea production  
per year from RNG plants  
and digesters

32  
states in which Archaea  
has presence