



Project Highlight

Keller Canyon RNG Plant, CA

AMERESCO 

Largest LFG-to-RNG Plant in CA and
First in the U.S. to be Powered by a
Co-Located LFG-to-Electric Plant

First Landfill Gas to RNG Plant in PG&E territory

Technology Type:

Landfill Gas to Energy (LFGTE) | Renewable Natural
Gas (RNG) | Design-Build-Own-Operate-Maintain

RNG Plant LFG Processing Capability

4,500 standard cubic feet
per minute

Power Plant Capacity

3.8 MW

Annual Carbon Emissions Reduction

~62,000 metric tons

Contract Term

20 years



Summary

In partnership with Republic Services, Ameresco developed, operates, and owns the Keller Canyon Landfill Gas-to-Energy (LFGTE) to Renewable Natural Gas (RNG) plant in CA – the first RNG plant in the U.S. powered by a LFGTE plant on the same landfill. By providing the San Francisco East Bay Area with clean energy resources, the Keller Canyon RNG facility will significantly reduce greenhouse gas emissions and advance Republic Services' longstanding sustainability goal to beneficially reuse 50% more of their biogas by 2030.



Solution

As the thirteenth renewable energy project with Republic Services, Ameresco was the partner chosen to develop the landfill gas to RNG facility by converting biogas into a low-carbon fuel source. The facility, scheduled to achieve commercial operation in July 2024, is currently being commissioned and is designed to process 4,500 standard cubic feet per minute of raw landfill gas.



“ Republic Services is investing in sustainability innovation to provide decarbonization solutions, and the Keller Canyon RNG project with Ameresco is a prime example. Together, we’re creating clean energy for California and helping create a more sustainable world.”

Tim Oudman
Senior Vice President, Republic Services



Benefits

In addition to providing a clean energy and renewable resource, the Keller Canyon landfill gas to RNG plant is designed to provide the following benefits:

- Annual carbon emissions reduction estimated at 62,000 metric tons
- Reduce direct and avoided emissions equivalent to removing 30,000 cars from the road
- Support California’s commitment to increasing its renewable energy portfolio
- Decrease reliance on fossil fuels, promoting environmental sustainability
- Created over 80 jobs during construction and is expected to create over 25 jobs during operations

Ameresco’s team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

