

PROJECT PROFILE

RENEWABLE NATURAL GAS PIPELINE



Client: **AMERESCO** | Location: **HOUSTON, TEXAS**

Ameresco engaged Audubon for integrated [engineering and design](#), [construction management](#), [surveys](#), and [environmental permitting](#) on a landfill gas (LFG) to renewable natural gas (RNG) pipeline.

For the [clean energy](#) project, civil topographic, wetland, cultural, biological, and soil resistivity surveys were self-performed by Audubon, and permits were secured for construction from each jurisdictional and environmental agency. To ensure safety for the RNG pipeline, Audubon also completed a class location analysis for Pipeline and Hazardous Materials Safety Administration ([PHMSA](#)) standards.

Audubon's multidiscipline expertise on the RNG pipeline enabled Ameresco to reduce landfill CO2 emissions while delivering up to 4 million standard cubic feet per day (MMSCFD) of biogas to local natural gas transmission providers.

Project overview

- LFG to RNG pipeline
- 4-MMSCFD biogas
- Jurisdictional & environmental agency compliance
- PHMSA compliance
- Emissions reduction

Scope of work

- [Conceptual design](#)
- Front-end engineering & design (FEED)
- Detailed engineering & design
- [Pipeline engineering](#)
- Construction management
- [Project management](#)
- Surveys
- [Inspection](#)
- [Right-of-way](#)
- Environmental permitting

