

# BUILDING THE FUTURE

## Providing Renewable Energy Solutions from Concept to Completion

The Kiely Family of Companies, comprised of multiple standalone companies, specializes in design-build for the energy industry. Founded in 1952, our engineering and construction teams perform full-service engineering design, construction, and project management services with a commitment to delivering successful projects on time, on budget, and on expectation.

In addition to traditional pipeline engineering and construction services, KIELY provides exceptional and unique value-added services designed to propel our customers into the dynamic energy future. Our Renewable Natural Gas (RNG) Solutions utilize sound engineering design and experienced construction crews to harvest green biogas from landfills, livestock operations, wastewater treatment plants, and other sources of biogas.

Our comprehensive RNG Solutions provide customers with the ability to convert organic matter into clean, usable pipeline-quality gas. Whether you are rebuilding an existing station or constructing a new one, partnering with KIELY provides a leading edge: our design and construction teams collaborate as a single entity to deliver optimized results, empowering us to fast-track your project from start to finish.

## RNG Services

Our comprehensive RNG services allow our customers to increase their green energy portfolio by harvesting clean methane.

Our services include:

- ▶ Feasibility studies
- ▶ Anaerobic digestion reactor design and installation
- ▶ Pipeline route selection and design & build
- ▶ Gas purification and compression design & build
- ▶ Facility upgrades and interconnect design & build
- ▶ Environmental permitting and inspection
- ▶ Quality testing and commissioning



## How it Works

Biogas is generated by decomposition of organic waste from existing waste streams, such as animal, food, and other organic waste. The raw biogas consists of equal parts methane and carbon dioxide with trace amounts of nitrogen, oxygen, and other organic compounds. The methane is processed into pipeline quality RNG by removing the impurities using a process called anaerobic digestion.

During anaerobic digestion, bacteria breakdown the biowaste in the absence of oxygen to yield RNG and digestate, the residual matter which can be used for fertilizer and other useful applications. The RNG is then piped into the existing pipeline infrastructure, used to fuel vehicles at the plant or transported to an end-user as compressed or liquid natural gas.

We are up to date on all current regulatory requirements facing our customers. By providing qualified engineers and construction crews that are highly trained with our equipment and processes, your team can be confident that you are executing your RNG program in a safe, environmentally conscious, and cost-effective manner.



## Environmentally Friendly Revenue Source

Harvesting usable, clean energy from existing waste streams helps our customers meet their carbon reduction goals while introducing a new revenue stream.

Utilizing methane produced from decaying material, which would've otherwise been emitted into the atmosphere, greatly reduces carbon dioxide and other greenhouse gas emissions.

The Kiely Family of Companies performs our services with vision, innovation, integrity and excellence, responding to our customer's unique requirements to deliver success for both our customers and their stakeholders.

As our customer, you can expect individual attention, reliable service, open lines of communication, and strict adherence to your project schedule. When you enlist our services, design and construction teams collaborate as a single entity to deliver optimized results, empowering us to fast-track your project from start to finish.

To get started implementing RNG into your portfolio, contact our team of experts today.

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