



# LINDEN RENEWABLE ENERGY PROJECT

The Linden Renewable Energy (LRE) Project will be one of the largest food waste-to-renewable natural gas (RNG) facilities in the United States

## PROJECT DETAILS

- LRE is a food waste-to-RNG facility currently under construction in Linden, NJ.
- The facility has the capacity to process 1,475 tons of waste to produce up to 3,783MMBtu/day of RNG—this is the energy equivalent value of 30,200 gallons of gasoline per day.
- The project converts organic waste into pipeline quality natural gas utilizing proven anaerobic digestion technology, which generates bio-methane that is then upgraded to pipeline quality standards for injection into the Elizabethtown Gas system adjacent to the site.
- This project offers New York City, Northern New Jersey, and the broader metro region an opportunity to manage their organic waste streams to comply with state and local food waste regulations that require organic waste to be diverted from landfills.
- Construction on the facility commenced in January 2024 and is slated to be completed in Q4 2025.



## ENVIRONMENTAL BENEFITS

- Landfills represent a third of human-made methane emissions in the United States. By diverting organic waste from landfills, LRE will avoid an estimated 120,000 metric tons of CO<sub>2</sub>e annually.\*
- LRE will use on-site Bloom Energy fuel cells to produce on-site electric, thereby minimizing reliance on the local grid and associated carbon emissions.
- The project will also produce 200-300 cubic yards per day of digested solids that can be used as a soil amendment, which is a natural organic byproduct of the anaerobic digestion process and can be used as an alternative to chemical fertilizers.

\* Calculated based on sponsor expected production of project and DOE Emissions Conversion Factor for Food Waste RNG Projects.

## ABOUT THE PROJECT OWNERS



SJI, an energy infrastructure holding company based in Folsom, NJ, delivers energy services to customers through two primary subsidiaries: SJI Utilities (SJIU) and SJI Renewable Energy Ventures. SJIU houses the company's regulated natural gas utility operations, delivering safe, reliable, and affordable natural gas to more than 725,000 residential, commercial, and industrial customers across New Jersey via its South Jersey Gas and Elizabethtown Gas subsidiaries. Elizabethtown Gas is the natural gas energy provider to over 300,000 residential, commercial and industrial customers in parts of Union, Middlesex, Sussex, Warren, Hunterdon, Morris and Mercer counties. This project will blend the RNG from the Linden Renewable Project into the Elizabethtown Gas natural gas distribution system.



SJI Renewable Energy Ventures, a non-utility subsidiary of SJI, specializes in the ownership, development, construction, and operation of diverse renewable energy projects. These projects include the development of solar, fuel cell, and Renewable Natural Gas (RNG) sourced from a variety of feedstocks including dairy manure, landfill gas, and organic food waste. With a robust portfolio and pipeline of future projects, SJI Renewable Energy Ventures is positioned to be a national leader in advancing sustainable energy solutions.



The LRE project is owned and operated by Catamaran Renewables, LLC. Catamaran Renewables is a Joint Venture partnership between Captona and SJI.



Captona is a North American investment firm with 15 years of transactional experience in the clean & renewable energy sector focused on investments in late-stage, middle-market clean fuel and renewable energy projects across the RNG, wind, solar, fuel cell and storage asset classes.



The LRE Project was developed by RNG Energy Solutions, LLC. RNG Energy and its members have 100+ combined years of experience successfully developing, financing and managing the construction of complex energy infrastructure projects. The RNG Energy Teams experience includes the development of natural gas Combustion Turbine and Combined Cycle projects, Anaerobic Digester Projects and biomass projects.



# SJI Renewable Energy Ventures

As an energy services provider with more than 100 years of experience, SJI offers safe, affordable, reliable energy solutions that support the country's clean energy goals. SJI Renewable Energy Ventures, a non-utility subsidiary of SJI, leads the company's efforts to develop renewable energy projects. With its current and pipeline of future projects, SJI Renewable Energy Ventures is positioned to be a national leader in RNG development.

## OUR PORTFOLIO

**Dairy RNG:** SJI Renewable Energy Ventures has 20+ RNG projects under development at large dairy farms throughout the United States. SJI REV is well positioned to be a national leader in low Carbon Intensity (CI) RNG development.



### Landfills RNG Projects:

**Atlantic RNG Project:** In 2023, SJI and Opal Fuels broke ground on a landfill gas RNG project at the Atlantic County Utilities Authority's solid waste landfill in Southern New Jersey. RNG produced at the plant will be used as transportation fuel and include a direct injection into one of SJI's primary subsidiaries, offering RNG for the first time to supply energy to local homes and businesses.



Utilities Authority's solid waste landfill in Southern New Jersey. RNG produced at the plant will be used as transportation fuel and include a direct injection into one

**Linden Renewable Energy (LRE) Project:** SJI Renewable Energy Ventures is constructing one of the largest food waste-to-renewable natural gas (RNG) projects in the United States. The LRE project, based in Linden, NJ will convert organic waste into pipeline-quality RNG that can



be used for a variety of applications to displace traditional natural gas. This marks SJI's first non-utility led anaerobic digester project that will directly connect its utility customers with a New Jersey-based RNG producer. Elizabethtown Gas, one of SJI's primary utility subsidiaries, will blend the RNG from the project into its existing natural gas distribution system.

**Green Hydrogen:** SJI Renewable Energy Ventures and South Jersey Gas plan to use solar power to produce hydrogen, a fuel that can be blended with traditional gas to lower its carbon intensity.



**Solar:** Rooftops, car canopies, brownfields – With a nearly 30-megawatt solar portfolio, SJI Renewable Energy Ventures specializes in customizing solutions to fit the unique energy needs of each business, ensuring optimal performance.

**Fuel Cells:** Catamaran Renewables, a partnership between SJI's Marina Energy and energy investor Captona, currently operates two fuel cell projects producing 12.5 megawatts of electricity. Catamaran is also evaluating other fuel cell opportunities in the Northeast.





# LEADING THE WAY TO A CLEANER ENERGY FUTURE

To support the clean energy goals of our state and nation, SJI set industry-leading decarbonization goals toward achieving carbon neutral operations by the year 2040. SJI dedicates capital expenditures on sustainability-focused investments and plans to achieve a 70% carbon reduction of operational emissions and consumption by the year 2030.



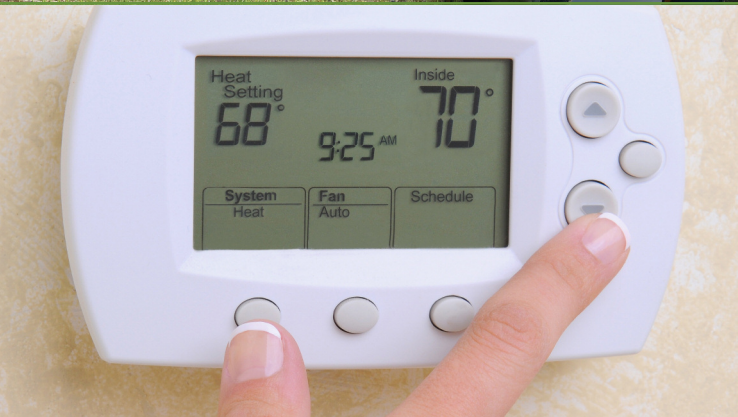
## RENEWABLE ENERGY DEVELOPMENT

- 20+ renewable natural gas (RNG) projects at various states of development throughout the U.S.
- Waste-to-energy investments including landfill RNG in Atlantic County and food waste RNG in Union County
- Portfolio of solar arrays and fuel cells
- Green hydrogen development
- Actively pursuing waste-to-energy investments of various feedstocks



## INFRASTRUCTURE ENHANCEMENTS + RESILIENCE

- Over half a billion dollars invested to replace more than 1,000 miles of aging pipes
- Advanced leak detection and prevention technology
- Low emissions fleet operations with CNG trucks
- New \$69 million pressure regulation station



## ENERGY EFFICIENCY

- \$216M expansion of Energy Efficiency programs
- Potential to save \$329M in energy costs and 104M therms over a lifetime
- Potential for 4,500 jobs to be created
- 40+ schools participate in EmPowered Schools Program

Visit [sjindustries.com](https://sjindustries.com) to learn more.