

Kore Successfully Demonstrates Carbon-Negative Waste-to-Energy Technology at Los Angeles Facility

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Today, [Kore Infrastructure](#) announced the successful one-year demonstration of its waste-to-energy modular system at its Los Angeles facility. This demonstration proves that Kore's technology can produce 100% renewable energy from organic waste using a closed loop, carbon-negative process. Kore also demonstrated its ability to produce UltraGreen hydrogen™ that can be used to decarbonize a variety of industrial applications including steel manufacturing and ammonia production. The UltraGreen™ hydrogen can also be upgraded for fuel cell electric cars, trucks, buses, and trains.

The Kore process also produces biocarbon, a solid elemental carbon that can be blended into soil to reduce irrigation and fertilizer costs, improve drought resilience, and increase plant yields. Kore biocarbon is a stable form of carbon that will not revert to CO₂ or CH₄: its use sequesters carbon for centuries. Companies seeking to reduce their carbon footprint can purchase Kore's carbon credits through voluntary exchange markets.

"This demonstrates that Kore's technology is commercially-ready and able to scale up to solve the twin problems of reducing waste and increasing access to clean, carbon-negative fuels," said Cornelius Shields, CEO and founder of Kore Infrastructure. "Our technology is now available to waste, energy, and transportation sector leaders to provide a Made-in-America, carbon-negative energy solution, creating a supply chain that is emissions-free, sustainable, and affordable."

Kore's modular system uses a proprietary pyrolysis process, which heats organic waste under high temperatures in a zero-oxygen environment. Kore Infrastructure's process is designed to meet South Coast AQMD's ultra-low NO_x and particulate emissions standards. The facility has been running for one year in LA, one of the most tightly regulated airsheds in the country.

This innovative technology is designed to divert organic waste from landfills, reducing short-lived climate pollutant production and instead, producing carbon-negative hydrogen and renewable natural gas (RNG). These clean fuels reduce greenhouse gas emissions from industrial processes and hard-to-electrify sectors, including heavy-duty transportation.

To learn more about Kore Infrastructure's technology and operations, please visit koreinfrastructure.com.