

Renewable fuels are becoming more accessible by the day. The import of renewable diesel rose 49% in 2019 to a record high of 17,000 barrels per day, according to the U.S. Energy Information Administration. Renewable fuels leave no space for vague commitments but create opportunity for sustainable actions to be taken now.

On the path to net zero, PowerSecure solutions are renewable fuel ready - building the future of energy. Discover more.

RENEWABLE DIESEL

BIOMASS WASTE

Renewable diesel is produced from wastes and residues, such as waste animal fat and used cooking oil, in addition to various vegetable oils.



QUALITY FUEL

The biowaste is refined via various processes that removes oxygen and impurities that impact performance in low temperatures and during storage.



DROP-IN SOLUTION

The result is a fuel that is chemically identical to fossil diesel, making it a viable substitution for fossil diesel with no blending required. It emits no new carbon emissions from the engine and significantly less pollution, and can reduce life cycle greenhouse gas emissions by up to 80%.



RENEWABLE NATURAL GAS

CAPTURE METHANE

Renewable Natural Gas is created by capturing methane from existing waste streams, such as those at landfills, farms, and water resource recovery facilities, and redirecting it away from the environment.



WASTE GAS



LANDFILL



LIVESTOCK FACTORY



WASTEWATER PLANT

CONVERT TO FUEL

Waste gas then goes into an anaerobic digester in which bacteria break down the organic matter to create a high-quality renewable fuel.



WASTE GAS



ANAEROBIC DIGESTER



RENEWABLE NATURAL GAS

POWERSECURE POWERBLOCKS

DROP-IN SOLUTION: SEAMLESS INTEGRATION OF RENEWABLE FUELS

PowerSecure's PowerBlock generation systems with diesel or natural gas-fired engines are fully equipped to transition to renewable fuels. As "drop-in fuels," renewable diesel and renewable natural gas are fully interchangeable with their fossil counterparts, requiring no modifications to existing equipment and no blending of fuels.

