



Johnston Landfill Gas Plant

EDL owns and operates the Johnston Landfill Gas (LFG) Plant in Johnston, Rhode Island.

About the plant

EDL acquired both the Johnston and Brea LFG Plants in 2019. The plants are two of the largest and most advanced LFG facilities in the United States with a combined installed generation capacity of 65.3MW.

LFG is generated from decomposing organic matter in landfills. It mostly consists of methane, carbon dioxide and organic compounds. This gas would otherwise be released to the atmosphere or flared. Instead, we convert the gas to electricity, significantly reducing carbon emissions.

The Johnston plant has installed generation capacity of 33.1MW comprising four Solar Taurus 60 turbines, heat steam recovery generators and a steam turbine generator. An additional 6.4MW of Caterpillar reciprocating engines are available for utilizing excess landfill gas.

The plant is adjacent to the largest landfill site in Rhode Island, capturing methane produced from the decomposition of waste to turn it into renewable energy.



Johnston LFG Plant

At a glance

Project name:
Johnston LFG Plant

Owner and operator:
EDL

Location:
Johnston, Rhode Island, USA

Primary fuel:
Landfill gas

Acquired:
October, 2019

Installed generation capacity:
33.1MW

East Coast, USA

