

PPL Renewable Energy designed, constructed, owns and operates a 4.8-megawatt landfill gas-to-energy plant at the Cumberland County Improvement Authority (CCIA) Solid Waste Complex in Cumberland County, New Jersey.

CCIA provides the landfill gas to fuel three engines that produce approximately 37.8 million kWh, enough electricity to power 3,600 homes.

This landfill gas-to-energy plant reduces annual greenhouse gas emissions by 59 million pounds of carbon dioxide by avoiding the use of fossil fuels.

The reduction of greenhouse gas emissions is equivalent to any one of these annual environmental benefits:

- Removing 4,900 cars from the road.
- Not consuming 3.0 million gallons of gasoline.
- Reducing the import of 63,000 barrels of oil.
- Not using 1.1 million propane cylinders for home barbecues.



Location: Deerfield Township, N.J.

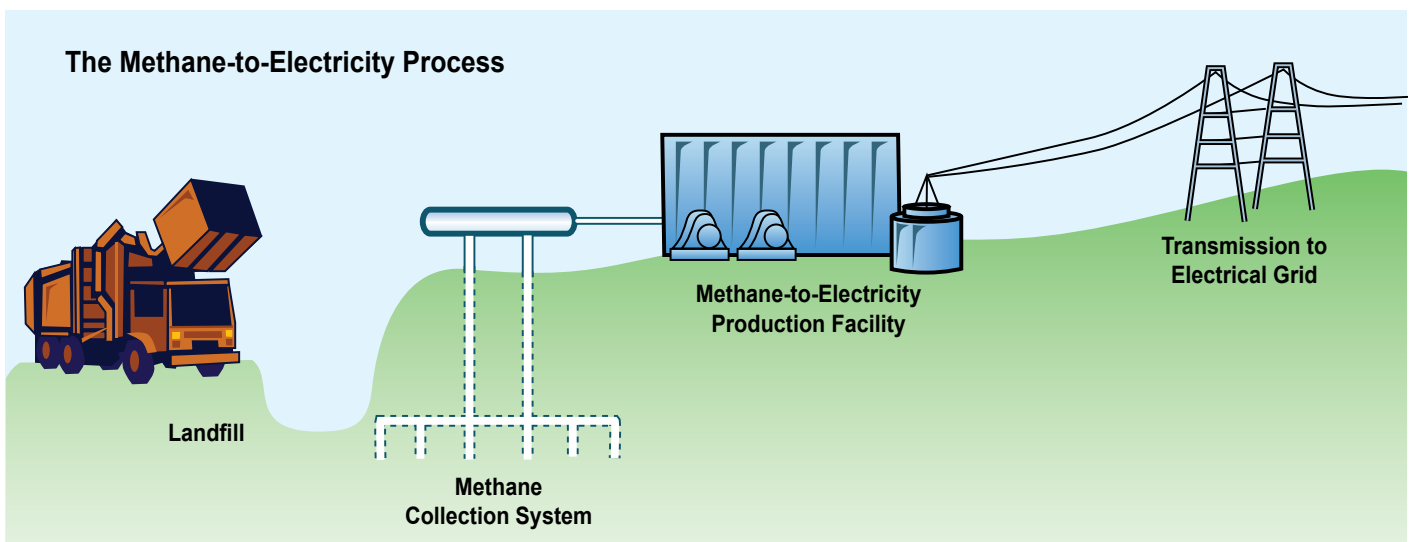
Operational: November 2008

Equipment: Three Caterpillar 3520 (1.6 MW) engines

Capacity: 4.8 MW

Input: Landfill methane gas

Output: Around the clock, base load power



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