

# PPL Renewable Energy | **Pennsauken Landfill**

In Partnership with the PCFA of Camden County

PPL Renewable Energy designed, constructed, owns and operates a 2.8 megawatt landfill gas-to-energy plant at the Pennsauken Landfill in Camden County, New Jersey. PPL realized this project by partnering with the Pollution Control Financing Authority of Camden County, which provides the landfill gas and land for the project, as well as with the New Jersey Clean Energy Program and Aluminum Shapes, a private aluminum manufacturer adjacent to the landfill.

PPL uses the methane gas to fuel its generators. The engines produce approximately 21.9 million kilowatt-hours per year, enough electricity to power approximately 2,000 homes. The energy produced by this landfill gas-to-energy plant enables PPL to provide electricity to Aluminum Shapes.

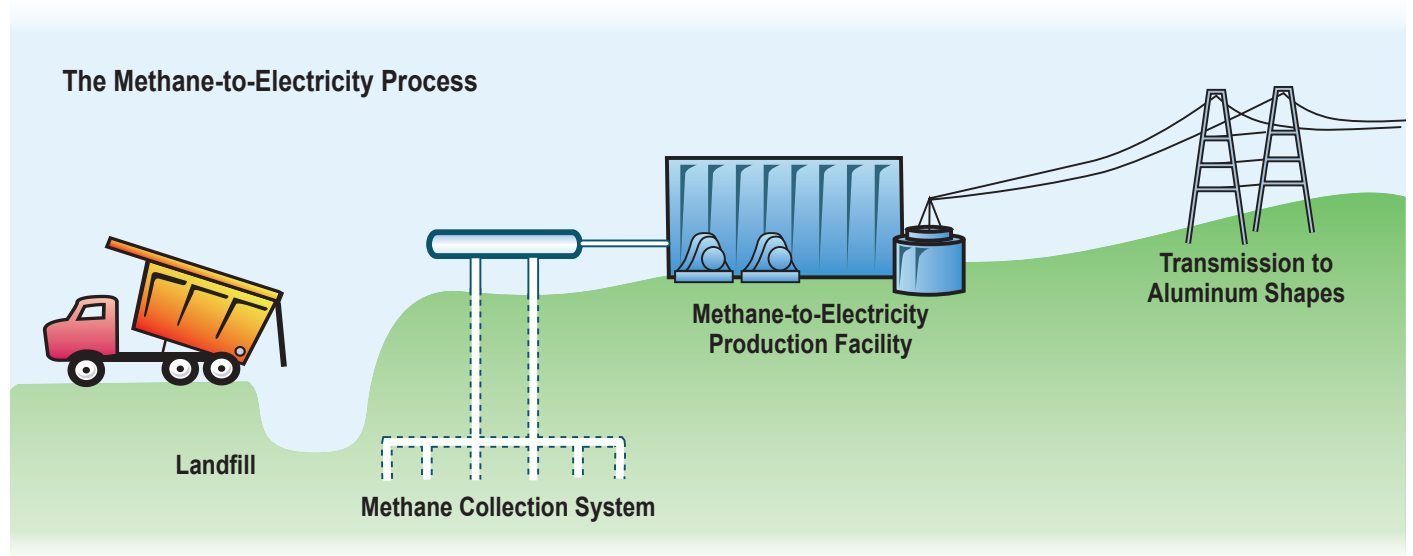
This landfill gas-to-energy plant reduces annual greenhouse gas emissions by 34.3 million pounds of carbon dioxide by avoiding the use of fossil fuels.

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

- Removing 2,800 cars from the road.
- Not consuming 1.8 million gallons of gasoline.
- Reducing the import of 36,000 barrels of oil.
- Not using 650,000 propane cylinders for home barbecues.



<b>Location:</b>	<b>Pennsauken, N.J.</b>
<b>Operational:</b>	<b>December 2004</b>
<b>Equipment:</b>	<b>Three Caterpillar 3516 (.925 MW) engines</b>
<b>Capacity:</b>	<b>2.8 MW</b>
<b>Input:</b>	<b>Landfill methane gas</b>
<b>Output:</b>	<b>Around the clock, baseload power sold to Aluminum Shapes</b>



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