

PPL Renewable Energy | Pennsauken Renewable Energy Park

PPL Renewable Energy has partnered with the Pennsauken Sanitary Landfill and Aluminum Shapes in Camden County, NJ to design, construct, own and operate a renewable energy park consisting of a 2.8 megawatt methane gas-to-energy plant and a 2.6 megawatt photovoltaic (solar) system.

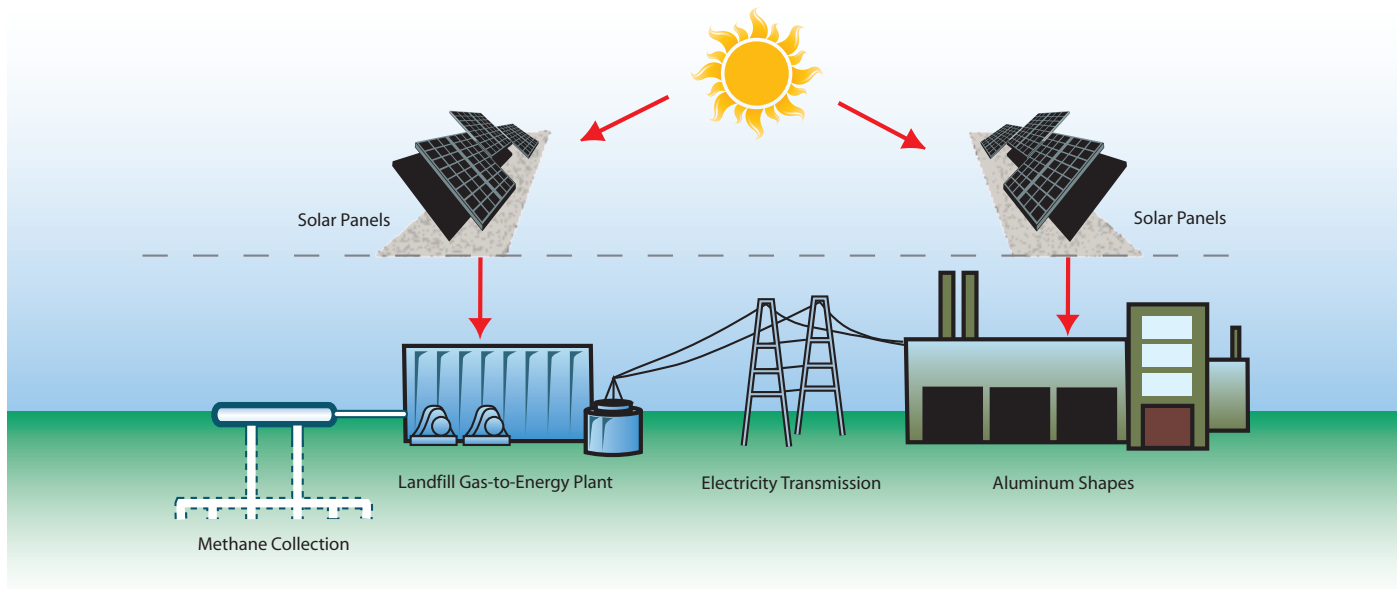
Some of the power from the solar panels is used to power blowers that remove methane gas from the landfill and send the methane to three Caterpillar engine generators that create electricity.



The majority of the power from the solar panels and all of the power generated by the methane gas-to-energy plant provides electricity to Aluminum Shapes to run a variety of applications in the daily operation of their business, including extruding aluminum and running machines that fabricate and coat metal surfaces.

PPL worked with the Pennsauken Sanitary Landfill, Aluminum Shapes and the New Jersey Clean Energy Program to develop this project.

Location:	Pennsauken, N.J.
Operational:	June 2006
Equipment:	Three Caterpillar 3516 (.925 MW) engines Solar panels
Capacity:	5.4 MW
Input:	Landfill methane gas & Sunlight
Output:	Baseload and daytime peaking power



camden county
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New Jersey's Clean Energy PROGRAM
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