

# PPL Renewable Energy | Merck

PPL Renewable Energy designed, constructed, owns and operates a 1.7-megawatt solar energy system in Summit, N.J., for Merck, an international pharmaceutical and research and development company. The rooftop-mounted solar system was built on seven buildings throughout Merck's campus.

The solar system produces about 1.8 million kilowatt hours per year, allowing Merck to use renewable energy to meet about 12 percent of its peak energy needs. That is enough electricity to power approximately 200 homes during peak hours.

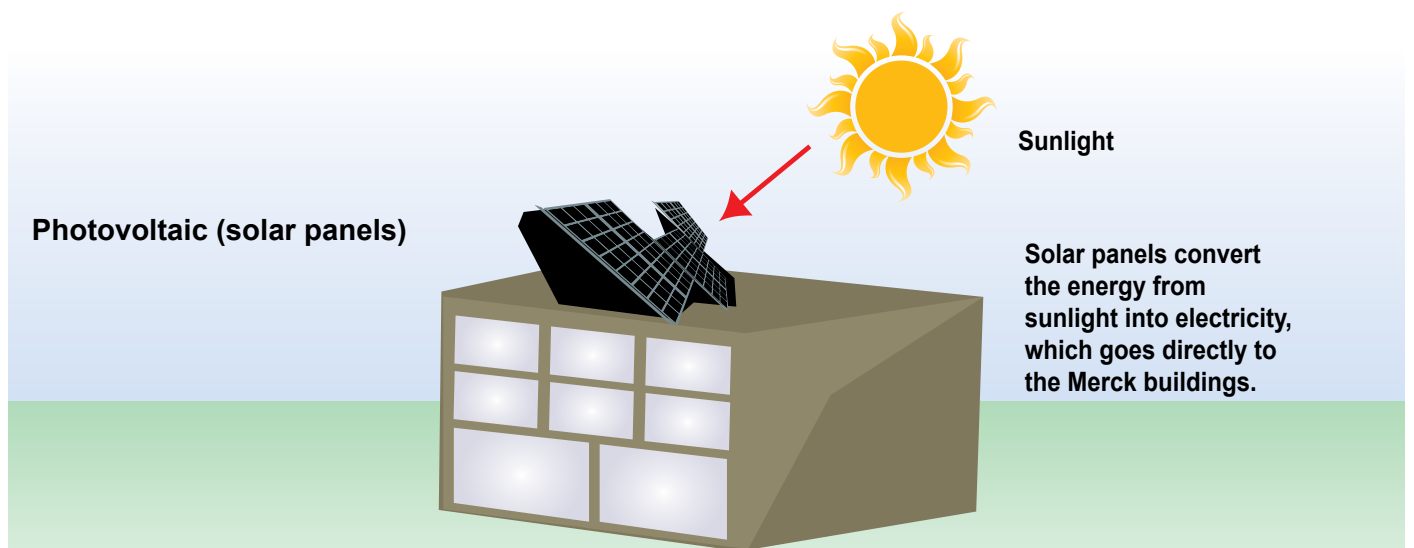
Compared to national averages, this solar system reduces annual greenhouse gas emissions by 3 million pounds of carbon dioxide by avoiding the use of fossil fuels.

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

- Removing 250 cars from the road.
- Not consuming 150,000 gallons of gasoline.
- Reducing the import of 3,000 barrels of oil.
- Not using 52,000 propane cylinders for home barbecues.



<b>Location:</b>	<b>Summit N.J.</b>
<b>Operational:</b>	<b>April 2009</b>
<b>Equipment:</b>	<b>Solar panels</b>
<b>Capacity:</b>	<b>1.7 MW</b>
<b>Input:</b>	<b>Sunlight</b>
<b>Output:</b>	<b>Daytime, peaking power</b>



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