

# PPL Renewable Energy | **Macy's at Mays Landing, N.J.**

PPL Renewable Energy designed, constructed, owns and operates a 366-kilowatt photovoltaic (solar) system that converts the energy from sunlight into electricity for Macy's, a department store at the Hamilton Mall in Mays Landing, N.J.

The solar system will produce about 394,000 kilowatt hours per year, allowing Macy's to use renewable energy to meet about 15 percent of its peak energy needs. That is enough electricity to power 110 homes.

This solar system will reduce annual greenhouse gas emissions by 618,000 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 50 cars from the road.
- Not consuming 32,000 gallons of gasoline.
- Reducing the import of 650 barrels of oil.
- Not using 11,700 propane cylinders for home barbecues.

PPL worked with both Macy's and New Jersey's Clean Energy Program to develop this project.



**Location:** Hamilton Mall — Mays Landing, N.J.

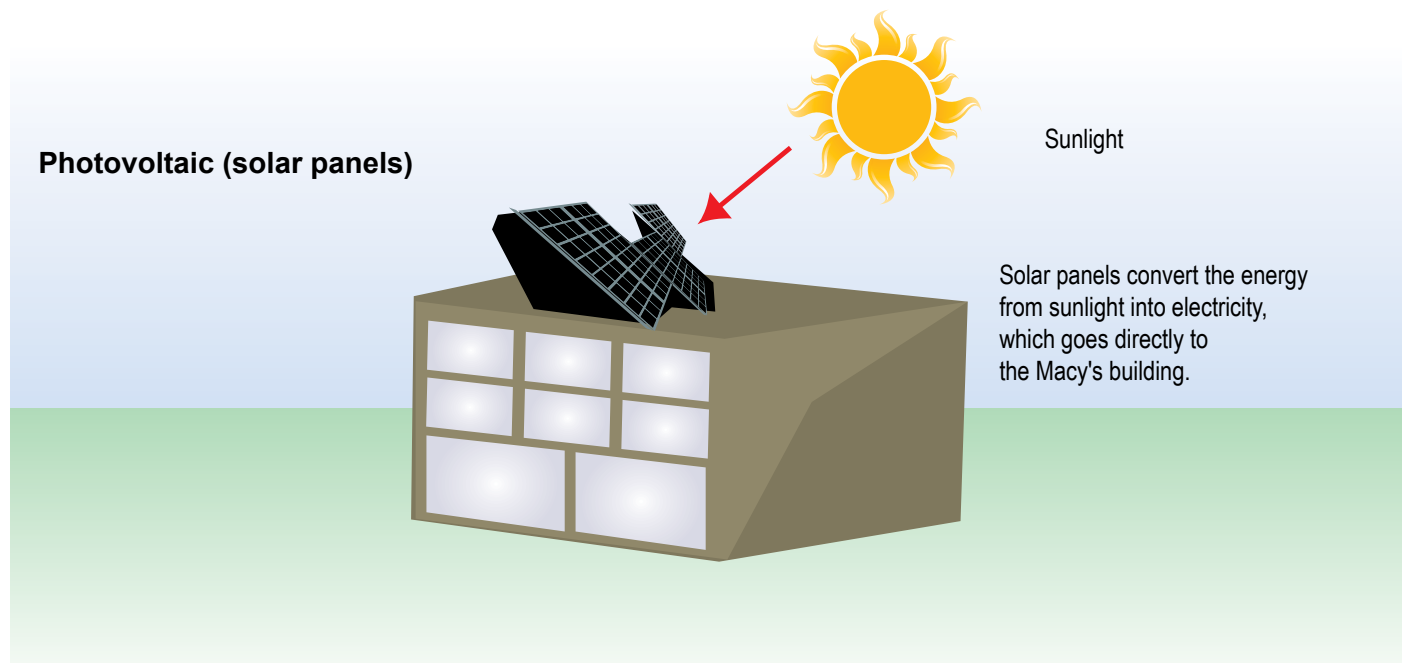
**Operational:** November 2006

**Equipment:** Solar panels

**Capacity:** 366 KW

**Input:** Sunlight

**Output:** Daytime, peaking power



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