

Millersville University



Leading the way with their first Net Zero Energy Building.

Millersville University of Pennsylvania takes its first step towards their institutional wide goal of achieving campus carbon neutrality by 2040. The Lombardo Welcome Center, opened in January 2018, will produce 100% of the energy it uses through sustainable means including geothermal and PV solar energy production. As a zero-energy building, the Lombardo Welcome Center provides their students with a sustainable space that demonstrates their commitment to tomorrow through purpose, design and function.¹

SunPower® Solution

TerraSol Energies, Inc. designed a system utilizing SunPower's highly efficient commercial solar panels to pack as much power possible on the roof space of the building. The Lombardo Welcome Center boasts a dual tilt flat rooftop solar system, metal standing seam mounted solar panels, PV glass on the south window façades, and a ground mounted dual-axis tracker to maximize their solar contribution to the existing onsite renewable alternative energy systems.

Customer Benefit

TerraSol Energies provided Millersville University with a solar system that generates 100% of their electricity demand at the new Lombardo Welcome Center. In tune with their mission, Millersville University hopes this solar system will encourage young people to pursue their interests in the renewable energy revolution in a meaningful way.



Quick Facts

**175 kW**

Total System Size

**170 tons of CO2 per year**

Carbon Footprint Reduction

**528**

Number of Solar Panels

**206,708 kWh**

Annual Electricity Generation

“TerraSol has been a great partner. Helping us create a space that generates positive energy—beginning with the solar panels and carrying through to the inspiring future it portrays for our students.”

Chris Steuer

Sustainability Manager – Millersville University



TerraSol Energies, Inc. and Millersville University provide the ultimate sustainability learning experience for students.

The building features a 15-foot tall PV solar tracking structure. The solar panels will track the trajectory of the sun 365 days a year. With dual-axis pivot joints this structure will obtain optimal sun capturing performance year round and provide campus goers with an up-close and personal experience with solar energy. Students have the opportunity to get hands on learning with the solar monitoring ongoing performance of the solar system with web-based tools. The building will stand as a monument to the sustainability mission that Millersville University has crafted, and a constant reminder to students of their commitment to the future.

TerraSol Energies, Inc. empowers students with expanded project-based learning, internship, and career opportunities in the solar industry.



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