



PROJECT OVERVIEW

Location: North Carolina, U.S.A.

Completed: December 2007

Owners: North Carolina Zoo

Installer: A joint venture between Carolina Solar Energy (CSE) and Randolph Electric Membership (REMC)

Size: 104 kilowatts

Number of panels: 612

Product: Suntechw 170 Polycrystalline Modules

Energy Saved: 130,000 kilowatt hours annually

BENEFITS

- Suntech Solar array contributes to zoo's goal of increasing sustainable practices in the operation of the zoo
- NC Zoo's Solar Point supports zoo efforts to create learning opportunities with local schools about sustainability
- 130,000 kilowatt hours saved annually
- Reduces North Carolina's exposure to rising energy prices in the future
- Significant reduction of North Carolina's carbon footprint

"Suntech solar panels have a good reputation for product quality. With 750,000 visitors a year, there will be a lot of eyes on the North Carolina Zoo installation, and we wanted to make sure to get a panel that would provide a high degree of reliability."

Gerry Dudzik
Project Manager, CSE

Suntech Powers the Wild Kingdom with Solar Energy

Suntech Solar Panels Installed at Nation's Largest Zoo

In January 2008, 612 Suntech solar panels were installed at North Carolina Zoo, the nation's largest walk-through natural-habitat zoo. The Zoo is nationally recognized as one of the country's finest zoos for its commitment to the "natural habitat" philosophy—presenting animals in surroundings that closely resemble their wild habitats.

Suntech and Carolina Solar Energy Help the North Carolina Zoo Achieve Greater Sustainability

Also known for its commitment to sustainability, the Zoo's Suntech solar array will save 130,000 kilowatt hours of electricity annually, enough to power 11-13 average homes in North Carolina. Richard Harkrader, whose company Carolina Solar Energy drove the project, believes the zoo system is a sign of things to come: "I believe consumer demand for green power will quickly outpace supply in our state. One of our goals with this project...is to show that solar power is not just for people in California and Nevada; it's feasible on a large scale right here in North Carolina today."



The Zoo project was the largest solar project in North Carolina at the time of installation and will be viewed by an estimated 750,000 visitors every year.

Solar Becomes Part of the Outdoor Experience at NC Zoo's Solar Point

The Suntech 170 watt solar modules were integrated into the



Suntech was founded on a passion for solar energy and its power to transform the way we live. Our dreams for tomorrow are BIG and our company has grown exponentially to realize our aspirations for a greener tomorrow.

Today we stand on the cusp of a revolution that will change the way the world generates electricity, and at Suntech we are working hard to introduce tomorrow's technology to the world today!

This is Suntech. We believe in the power of solar energy. It is what we do. ***It is all that we do!***

Zoo's large picnic pavilion area, which has since been dubbed Solar Pointe. In addition to providing a sustainable source of power generation for the zoo and shading for zoo guests, the Suntech solar array also provides an opportunity for the public to learn more about solar energy.

Interactive graphics have been set up at the pavilions to illustrate how the panels generate electricity and help to power the zoo. The North Carolina zoo also has a live reading posted on the zoo's website that shows how much energy the zoo is saving and how much pollution is being reduced through the use of the Suntech solar panels.