

Blairsville Solar Farm Case Study

"ESA Renewables hopes to pass on our knowledge to future generations to continue the innovation and growth of the solar industry."

-Jeffrey Burkett, President



Location: Blairsville, Georgia

Utility: Tennessee Valley Authority

System Size: 999kW

Footprint: 5 acres

Scope of Work: EPC

Construction Start Date:

November 2010

Construction Completion Date:

January 2011

Modules: Suniva

Inverters: Advanced Energy

260kW

Monitoring System: ESA

Renewables

Annual output: 1.3 million kWh

Annual CO₂ avoided: 30,000 tons

ESA Renewables, LLC (ESA) installed a 999kW solar PV system, given the title of "Georgia's largest solar farm", in Blairsville, Georgia. The system is located just 10 miles from Young Harris College. More than 30 students from the college were taken on a tour of the facility to view the equipment and inner workings of the PV system. ESA was honored to host the students and to be a part of an experience to facilitate continuing education in the field of renewable energy.

The project sits on approximately 5 acres of property and all electricity generated is sold back to the Tennessee Valley Authority and Blue Ridge Mountain EMC under a 10 year PPA term. The solar system is part of the Generation Partners pilot program, which provides incentives for the installation of renewable energy generation systems. The expected annual energy output of the solar farm is 1.3 million kWh. The plant benefits the environment by replacing 30,000 tons of carbon dioxide with clean energy each year, comparable to 280 acres of trees.



ESA Renewables, LLC