



CASE STUDY UTILITY SOLAR AT ELON, NC

This 3 MWp DC Solar Farm was developed and built by Suntuity and is the first solar farm put into operation in Alamance County, North Carolina. It is currently generating clean solar power which is being purchased by Duke Energy Carolinas and supplied to regional customers.

The power plant which is owned by Loy Farm Solar commenced commercial operations in October of 2015 and is anticipated to produce approximately 4,500 megawatt hours of electricity in its first year of operation. Suntuity continues to provide oversight on the operations of the power plant. The project site is owned by and leased from Elon University and is located across the Elon University Campuses. The solar farm models responsible global citizenship and benefits Elon students by providing an opportunity to study the equipment, operation and economics of the system.

ECONOMIC BENEFITS

- Creation of local jobs for ongoing Operations and Maintenance of the power plant
- Injection of construction revenue for local businesses
- Additional indirect local economic stimulus from project construction and operations.

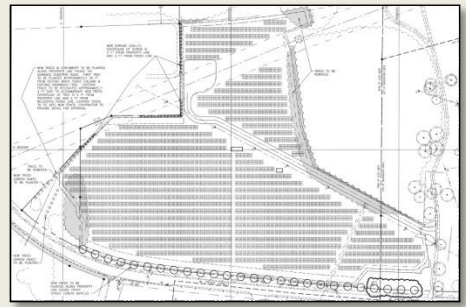
ENVIRONMENTAL BENEFITS

- 4,500 megawatt hours of electricity is enough to power 415 average U.S. homes for a year
- This much electricity produces with solar, rather than fossil fuels, prevents 2,100 metric tons of carbon emissions, the equivalent of removing the annual emissions from 450 cars

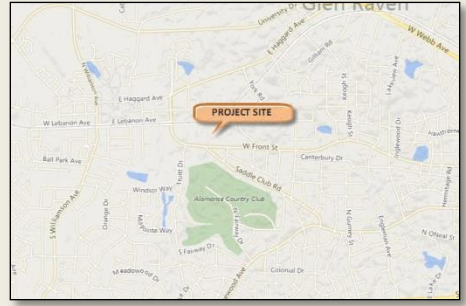
PROJECT FACTS

Location:	Elon, NC
Project Size:	2,993 kW DC
Project Type:	Ground Mount, Fix Tilt
Est. 1 st Yr. Production:	4,500 MWh
Construction Start:	February 2015
Commercial Operation:	October 2015
System Owner & Site Lessor:	Loy Farm Solar
Site Owner:	Elon University
Power Purchaser:	Duke Energy Carolinas
Acres:	Approx. 12 acres
Number of Modules:	9,900
PV Technology:	CSUN Polycrystalline
Inverters:	Schneider Centrals
Racking:	RBI
Project Development:	Suntuity
Project Construction Oversight:	Suntuity

PROJECT LAYOUT



PROJECT LOCATION



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