



# Archer Solar

ALACHUA COUNTY, FLORIDA, USA

PERMITTING PHASE



## AT A GLANCE

### First Solar

DEVELOPER

### 74.9MW AC

PROJECT SIZE

### Ground-Mount PV

TYPE

### ~200 JOBS

CONSTRUCTION WORKFORCE

### ~23,000 HOMES

POWER OUTPUT EQUIVALENT\*

(average Florida homes)

### ~86,000 METRIC TONS

CO<sub>2</sub>e DISPLACED ANNUALLY\*

### ~31,500 CARS

OFF THE ROAD EVERY YEAR\*

First Solar, a leading provider of comprehensive photovoltaic (PV) energy solutions, is developing Archer Solar, a 74.9-megawatt (MW) alternating current (AC) solar project, located on approximately 650 acres near Archer, Florida. Archer Solar will be constructed using First Solar's thin-film photovoltaic (PV) solar modules.

When fully operational, the project will generate enough clean solar energy to serve the needs of about 15,000 homes per year, displacing approximately 86,000 metric tons of carbon dioxide (CO<sub>2</sub>) annually—the equivalent of taking about 17,000 cars off the road. The Project will connect to the transmission grid via the 230 kilovolt (kV) Archer Substation.

The availability of land near existing electrical transmission facilities, the amount of sunlight, and benefits to the local community were important considerations in choosing the project location.

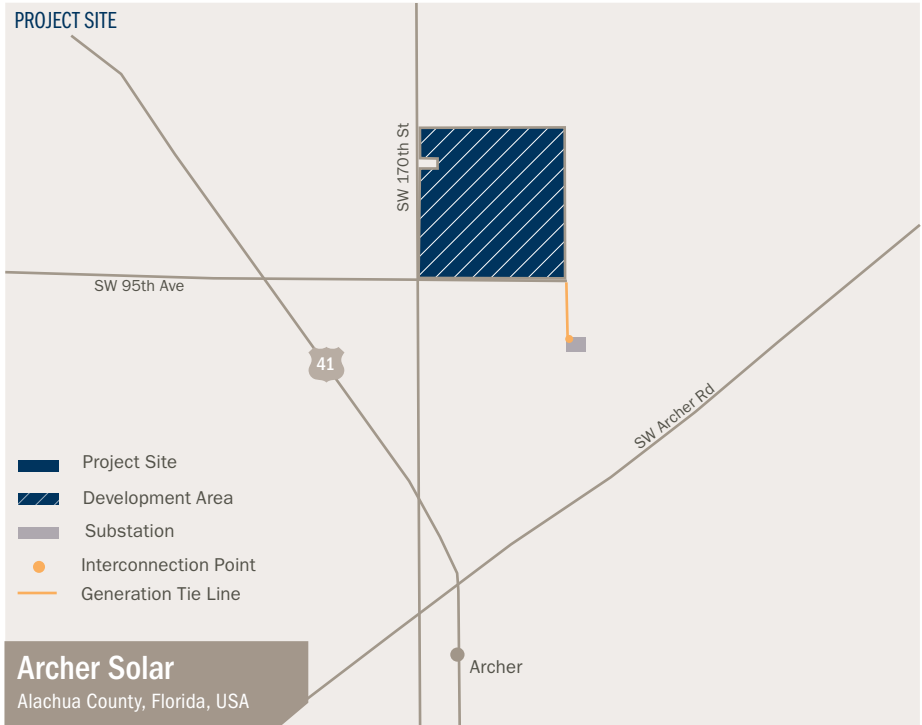
Archer Solar is currently going through the environmental permitting process. Construction of the project is expected to begin in 2020, with operations commencing in late 2021.

## PROJECT BENEFITS

- Generates 74.9MW of clean power
- No water used to generate electricity
- No air emissions during operations
- Creates wages and benefits for approximately 200 construction jobs on average
- Minimal noise
- Low visual impact
- Generates added property tax revenue to county without impacting public services such as water, schools and transportation

## PROJECT TIMELINE





## COMMUNITY

First Solar is committed to being a good neighbor through our community involvement and the environmentally sensitive design of our solar projects. First Solar will engage the community, interest groups and business organizations as appropriate to ensure that Archer Solar remains a valued and respected business in Alachua County.

Archer Solar will generate substantial income for the community and provide wages for approximately 200 construction jobs, and create benefits for many local businesses. First Solar will seek to provide employment opportunities for qualified members of the community.

## ENVIRONMENT

First Solar projects have a low resource impact. When in operation, our quiet systems generate electricity with no water use, no air emissions, and no waste production. Mounted to metal racks, the PV panels are no higher than thirteen feet above ground and have a low visual profile.

The Archer Solar project site was carefully selected and will have minimal impact on the environment. The availability of land near existing electrical transmission facilities, the amount of sunlight and benefits to the local community were important considerations in the siting decision.

Construction planning for the project will include the implementation of appropriate dust control measures, as well as truck routes that will minimize traffic.



### ABOUT FIRST SOLAR

First Solar is a leading global provider of comprehensive photovoltaic (PV) solar solutions which use its advanced module and system technology. With more than 25 gigawatts (GW) shipped worldwide, we develop, finance, engineer, and operate some of the world's largest and most successful PV power plants in existence today. With nearly 5GW of successful PV plants developed in North America and a growing pipeline of projects across the United States, no single company offers more development experience than First Solar.

## QUESTIONS OR COMMENTS?

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