Candela RENEWABLES | Summer Shade Solar

Proposed
106 MW
photovoltaic solar-plus storage facility

Interconnect:
161 kV
Summer Shade Substation

Summer Shade projected construction start:
Q2 2026

Project life:
30-40 years

Local Benefits for Metcalfe County, KY

Jobs

Construction

1 –2 year construction timeline

Up to 250 construction jobs on average with higher peaks if needed

Low barrier to entry, great opportunities for transitioning workforce, and preference for local labor

Operation

30 – 40 year plant life
2 – 3 permanent jobs

Tax Revenue

Based on initial analysis, Summer Shade will provide an estimated $3.1M of new local tax revenue to Metcalfe County over the project's lifetime with an Industrial Revenue Bond and Payment in Lieu of Tax agreement

Additional Benefits of Solar

Enhanced local grid stability with the integration of renewable energy sources from the Summer Shade project

Candela Renewables prioritizes being a good neighbor and responsibly developing our projects. A highly-experienced team of developers, engineering and agricultural professionals are guiding the development and design of Summer Shade Solar.

Visit us online or scan the QR code to learn more.

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Project Status and 2025 Milestones

The Summer Shade Project is in mid-stage development and preparing to apply for its construction permit.

- Completed current environmental surveys
- Conducted engineering analysis of site hydrology and subsurface conditions
- Preparing application materials for the Kentucky Electric Generation and Transmission Siting Board permit process
- Expect to Finalize interconnection agreement with transmission owner toward the end of 2025

Updated January 2025

Innovative Development Approaches

The project will encourage vegetation under arrays and explore the possibility of sheep grazing as part of our vegetation management planning.

Multiple tracker technologies to minimize grading needed across the site.

No light or noise pollution.

Design will incorporate agricultural style fencing to allow small wildlife to pass through the site.

How it works

Photovoltaic solar panels convert sunlight into electricity. This electricity is sent to the Summer Shade Substation, which then disperses power to the electricity grid and serves the needs of Kentucky electricity customers. These solar panels will reliably deliver power as long as the sun shines, and the battery storage option will provide the capability to supply energy when needed most.

Candela Renewables is an accomplished team of utility-scale solar power and storage developers. With over **25 years of experience** at every stage of development and flexibility across a range of solar and storage technologies, our team is responsible for over **50 utility-scale solar projects** and more than 8,000 MW across their careers.

We develop solar generation and storage facilities, advancing projects across a wide variety of topographies, market and commercial structures, grid configurations, and financing structures. We've also built durable and long-standing relationships with utilities, landowners, permitting agencies, investors, lenders and tax-equity investors.

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