

FREQUENTLY ASKED QUESTIONS

GENERAL SOLAR & BATTERY STORAGE

1. What is a Solar Farm?

A solar farm or a solar power plant is a group of interconnected solar panels that convert sunlight into electricity. Solar farms feed their electricity into the existing network of poles and wires that deliver electricity to homes and businesses just like any other type of power plant. Currently, the U.S. has more than 2,500 "utility scale" (a term used to differentiate solar power plants from solar panels mounted on a home or a business) solar power plants. More information from the U.S. Department of Energy at <https://www.energy.gov/eere/solar/how-does-solar-work>

2. How long will the solar power plant be here?

The estimated operational lifespan is 30-35 years for the technology, during which time it will produce clean electricity with no smoke, no odors, no imported fuels, and no air pollution. Millions of Americans live near utility-scale solar projects, which can be found in all 50 states, the District of Columbia, and Puerto Rico. More information is available at https://cleanpower.org/wp-content/uploads/gateway/2021/12/SolarNeighbor_240710.pdf

3. What will occur at the end of the solar power plant life?

The solar power plant will be removed and the property will be restored similar to the

pre-construction condition. The current owner of the property will be able to use the property as they choose, including planting and harvesting timber or crops on the property. A decommissioning plan that will include the process for and estimated cost of deconstructing all of the solar plant structures and the recycling of components will be prepared prior to the start of construction.

4. What is the purpose of battery storage?

Solar power plants paired with battery storage help support electricity demands during times when there is lots of energy demand from homes and businesses on the energy grid, and during times when solar energy production is variable, like the evening. The battery storage system also increases energy grid reliability and resiliency to power outages. More information is available at <https://cleanpower.org/facts/clean-energy-storage/>.

5. Will this project produce a lot of sound?

No. Solar energy plants are a quiet use and Plantersville Renewable Energy Center will be a quiet neighbor. Sounds produced by some components, like inverters and transformers, are not expected to be heard beyond the project boundary because of their location within the project site, the 200 foot setbacks, and the vegetation on the site.



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PLANTERSVILLE RENEWABLE ENERGY CENTER (PREC)

1. What has been done for the project so far?

Plantersville Renewable Energy Center has entered options to lease the property for the project, which allows them to perform due diligence. A desktop analysis of environmental features (including cultural resources), a wetlands delineation, a wildlife habitat assessment, and a survey of the site have been completed and a conceptual plan has been prepared. Additional environmental studies and geotechnical studies will be performed and engineering and construction plans will be prepared by a South Carolina licensed engineer.

2. What permits and approvals will the project required to get?

The project must get zoning and land disturbance approvals from Georgetown County, stormwater approvals and a coastal zone consistency determination from the South Carolina Department of Environmental Services (former SCDHEC), permits from the US Army Corps of Engineers (ACOE) for any

disturbance of waters or wetlands, and a certificate from the South Carolina Public Service Commission. Permit requirements will depend on final design of the project. Plantersville Renewable Energy Center is working to design and construct the project with minimal environmental impact, including by the use of existing site entrances and roads, minimal wetland crossings, maintenance of extensive wildlife corridors, and maintenance of significant existing vegetation within the 200 foot setbacks.

3. Why Sunrise & CIP?

Sunrise is a fully owned subsidiary of Copenhagen Infrastructure Partners (CIP). CIP was founded in 2012 as an infrastructure fund manager and clean energy contractor. CIP is the world's largest dedicated fund manager within greenfield renewable energy. The funds managed by CIP focus on investments in financing and building the clean energy infrastructure, which is needed to secure a sustainable future for our planet. For more information, visit www.cip.com



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