

Frontier Solar Project

Washington and Marion Counties, Kentucky



120 megawatts of renewable energy produced per year =
Power for 28,000 homes



60 megawatt / 240 megawatt-hour battery energy storage system (BESS) supports the delivery of "on demand" dispatchable renewable capacity



Annual clean energy produced = Removing **160,000 metric tons of CO₂** from the atmosphere - the equivalent sequestered by *2.6 million tree seedlings grown for 10 years*

Who Is BrightNight

- BrightNight is a U.S.-based, renewable power company working to provide clean power projects for a decarbonized energy future.
- Our experts have a long professional history with more than 10,000 megawatts of projects installed and operated successfully.
- As an independent power producer, BrightNight develops, owns, and operates its projects. Because of our long-term investment, we work to become a part of your community so we can support your region's growth and development goals over the life of our project.



The Frontier Solar Project will create **nearly 150 jobs** during construction and **4-8 long-term careers** in operations and maintenance.



The Frontier Solar Project renewable power infrastructure will generate **\$13.8 million in direct economic output** during construction and **\$3.6 million in local tax revenue** over the life of the project.



Panels are secured to posts that are driven into the ground without concrete. **This not only reduces impacts to land but also makes for simple land restoration at the end of the project life.**



When a solar project's life is complete, the project is removed, the site is turned to its original condition, and **the majority of the components are recycled.**



A common misconception is that solar panels create glare. However, **solar panels are designed to absorb sunlight** and convert the sun's rays into energy. Because of this, panels are designed to avoid producing glare as any light reflected is lost energy.



In areas where neighbors might be within view of our project, we design "vegetative screening," which is a **landscape plan that uses mature trees and plants** to shield the public view of the project.



Solar panels and their components are safe for the plants, animals, and people who live around them. Remember, the fundamental purpose of solar energy is to be environmentally friendly. As such, panels **do not generate emissions of any kind and do not pose any health risks.**



Solar projects make great neighbors! **They operate quietly and are monitored remotely.** You won't be able to hear the day-to-day operation of the project and will only notice onsite personnel for occasional maintenance on equipment and landscaping.



Our solar projects are safe and secure. We monitor the projects 24/7 with remote monitoring technology. And we install fencing around the perimeter to prevent unauthorized entry.



The Frontier Solar Project is expected to provide significant tax revenue over the life of the project. These funds will go directly to Washington and Marion Counties to be utilized for local schools, fire districts, and other key county services.