



# ON THE GRID

**PROJECT: THREE GEORGIA-BASED SOLAR COMPANIES HAVE JOINED TOGETHER TO DESIGN AND BUILD AN INNOVATIVE SOLAR ARRAY ATOP THE PARKING DECK AT GEORGIA POWER'S HEADQUARTERS IN ATLANTA, GEORGIA.**

**SIZE:** The 200 kW solar carport, spanning the top level of the parking deck for the Georgia Power headquarters in downtown Atlanta, demonstrates the power company's commitment to renewable energy onsite at its facilities and also the importance of partnering with local renewable companies, and serves as an example of innovation in the field of clean energy solutions.

**BACKGROUND:** Radiance Solar, LLC, a leading EPC firm in the solar market, collaborated with three Georgia-based companies, QCells (solar modules) Quest Renewables (canopy racking) and Georgia Power (investor-owned utility) on the project, which is said to represent a significant step forward in distributed, sustainable energy infrastructure, utilizing state-of-the-art canopy racking technology developed by Quest at Georgia Tech and powered by QCells 580 watt modules.

**BENEFITS:** Quest's parking garage carport is said to be the most efficient product for the parking garage solar market, as it delivers the most kW per structural connection to the deck, and provides a safer and more efficient construction environment. The Georgia Power solar carport will produce an estimated 411 MWhs in its first year and will partially offset the energy usage of the Georgia Power Headquarters campus. Unlike traditional solar canopies, 90 percent of Quest's carport construction takes place on the ground, including module and inverter wiring. After ground assembly, electrical and lighting, the canopies are lifted by crane for final installation, minimizing overhead work and optimizing worksite safety.

**PROJECT: GUZMAN ENERGY AND HOLY CROSS ENERGY (HCE) HAVE ENTERED A POWER OFFTAKE SHARING AGREEMENT THAT DELIVERS RENEWABLE ENERGY GENERATED BY THE BRONCO PLAINS II ENERGY CENTER WIND PROJECT TO BOTH ORGANIZATIONS' RESPECTIVE POWER PORTFOLIOS.**

**SIZE:** Bronco Plains II Energy Center, located in Kit Carson County on Colorado's eastern plains, is a 200 MW wind facility estimated to generate power for up to 40,000 households annually.

**BACKGROUND:** Founded in 1939, HCE is a not-for-profit rural electric co-op providing reliable, sustainable energy and services for more than 45,000 members in western Colorado. Developed, operated, and owned by NextEra Energy Resources, the Bronco Plains site began producing power from 72 wind turbines in late 2023. During winter months, 150 MW of the energy center's output will go to HCE and 50 MW will go to Guzman Energy. In the summer months, HCE and Guzman Energy will each offtake 100 MW.

**BENEFITS:** Energy produced by the Bronco Plains II Energy Center contributes to HCE's 100 x 30 goal of providing its members with 100 percent clean energy by 2030. HCE anticipates achieving over 90 percent clean energy by the end of 2025. Guzman Energy became a wholesale power partner of HCE in 2019. Through the partnership, HCE has been able to double the amount of clean energy in its portfolio while avoiding more than \$30 million in power supply costs over the last five years.

**PROJECT: CLEARLOOP, A SILICON RANCH COMPANY, HAS ANNOUNCED THAT GLOBAL FINANCIAL TECHNOLOGY PLATFORM INTUIT AND NATIONAL SPECIALTY OUTDOOR RETAILER REI CO-OP RECENTLY FLIPPED THE SWITCH ON THE NEW WHITE PINE SOLAR FARM IN WHITE PINE, TENNESSEE.**

**SIZE:** Intuit and REI each supported the development of 1.4 MW of the 2.8 MW solar project.

**BACKGROUND:** Since 2021, Intuit has worked with Clearloop to decarbonize the grid while expanding access to renewable energy across Tennessee. Intuit's support of the White Pine Solar Farm builds upon its ongoing partnership with Clearloop and ongoing efforts for its Prosperity Hub Program in Morristown, Tennessee and the surrounding areas. Intuit launched the Prosperity Hub Program in 2016 to promote economic prosperity for people and communities in need.

**BENEFITS:** This combined effort is estimated to prevent more than 162 million pounds of carbon from entering the atmosphere over the project's lifetime and will produce enough low-cost electricity to help power nearly 400 homes in the local community. REI's partnership with Clearloop to help bring the White Pine Solar Farm to life demonstrates the company's commitment to prioritizing clean energy development that focuses on investing in communities that can benefit the most. Through this partnership, REI will power its new state-of-the-art distribution center in Lebanon, Tennessee with 100 percent renewable energy. The distribution center will serve more than 60 stores and 5.6 million REI members in the area, while using 30 percent less energy than code requires. REI is the largest U.S. consumer co-op, with a growing community of 24 million members.