



ON THE GRID

PROJECT: MAJOR HYBRID SOLAR PROJECT IN AUSTRALIA.

SIZE: FTC Solar has been selected to supply its Voyager solar tracker technology for the 128 megawatt Cunderdin hybrid PV solar and energy storage project in Western Australia.

BACKGROUND: The project, owned by Global Power Generation and located approximately 90 miles east of Perth, will be the largest DC-coupled solar PV and battery project in Australia. The integration of a Battery Energy Storage System (BESS) with a large-scale photovoltaic power plant will enable additional flexibility in plant operation, allowing the facility to also support the wholesale energy market during peak demand periods.

The Cunderdin project will be the largest of its kind in Australia, and the high energy density and highly constructible design of FTC's 2P Voyager solution will lend itself well in this development, says the company.

Over the past 18 months, FTC Solar has continued to expand its presence in Australia with orders and deliveries of more than 240 megawatts of trackers. This project represents its 23rd project in Australia, and its largest single-project in the country to date.

BENEFITS: The project will use FTC Solar's 2P Voyager+ tracker solution, which offers industry-leading installation speeds, high slope tolerance, reduced part count, high energy density, and a DC collections advantage, says the company. The project's construction is expected to officially start in the fourth quarter of 2022, with commercial operation anticipated to commence in the first quarter of 2024.

PROJECT: ITT INC., A MANUFACTURER OF HIGHLY ENGINEERED CRITICAL COMPONENTS AND CUSTOMIZED TECHNOLOGY SOLUTIONS FOR THE TRANSPORTATION, INDUSTRIAL, AND ENERGY MARKETS, HAS ANNOUNCED THE CONSTRUCTION OF A SOLAR PHOTOVOLTAIC LAKE AT ITS LARGEST FACTORY IN BARGE, ITALY, AS THE COMPANY RAMPS UP ITS SUSTAINABILITY INVESTMENTS TO REDUCE ITS CARBON FOOTPRINT.

SIZE: Consisting of approximately 3,000 solar panels, the "lake" will be about the size of four Olympic swimming pools.

BACKGROUND: The \$2.5 million project is part of ITT's long-term strategy to become a more sustainable company and reduce its carbon footprint by allocating capital to green projects. The solar lake is an example of the company's effort to reduce energy consumption and contribute to protecting the environment.

In 2021 and 2022, ITT allocated approximately 10 percent of its annual capital expenditures toward initiatives that drive energy efficiency, reduce water consumption, and lessen carbon emissions in its operations. These and other initiatives have helped the company reduce its greenhouse gas emissions and the amount of waste sent to landfills.

BENEFITS: The solar investment is expected to produce 1,065,200 kWh per year, covering 30 percent of the energy requirements for ITT's Motion Technology Innovation Center, where the company primarily conducts research and development activities to support brake pad technologies. The lake is expected to reduce CO2 emissions by 372.8 tonnes per year, equivalent to the CO2 emissions generated by about 42,000 gallons of gas. The project is scheduled to be completed by the end of 2022.

PROJECT: THE U.S. BUREAU OF LAND MANAGEMENT (BLM) HAS ANNOUNCED THAT CONSTRUCTION OF THE CRIMSON ENERGY STORAGE PROJECT, A BATTERY STORAGE SYSTEM IN CALIFORNIA'S RIVERSIDE COUNTY, IS NOW COMPLETE, AND THE SYSTEM IS IN OPERATION AND EXPANDING GRID CAPACITY.

SIZE: The 350-megawatt battery storage system will provide 1400 megawatt-hours of electricity at full capacity and is a significant milestone in the Biden-Harris administration's efforts to modernize America's power infrastructure in the West and achieve a goal of 100 percent carbon-free electricity by 2035.

BACKGROUND: The Crimson Solar project is one of the largest standalone battery energy storage projects on BLM-managed lands. The project is in an area analyzed and identified as suitable for renewable energy development as part of BLM's Desert Renewable Energy Conservation Plan Land Use Plan Amendment.

The Desert Renewable Energy Conservation Plan is a landscape-level plan focused on 10.8 million acres of public lands in the desert regions of seven California counties that streamlines renewable energy development while conserving unique and valuable desert ecosystems and providing outdoor recreation opportunities.

BENEFITS: The Crimson Energy Storage Project created 140 union jobs during peak construction. The storage project is part of the larger Crimson Solar Project. The entire project includes approximately 2,000 acres of BLM-managed land, located 13 miles west of Blythe in Riverside County, and will see Sonoran West Solar Holdings, LLC, a wholly owned subsidiary of Recurrent Energy, LLC, construct a 350-megawatt solar photovoltaic facility, and the above 350-megawatt battery storage system, with support facilities to generate and deliver power through the Southern California Edison Colorado River Substation.