

SUNSHINE GATEWAY BATTERY ENERGY STORAGE CENTER



Substation and Renewable

Irby was awarded the construction of the Florida Light & Power (FPL) Sunshine Gateway Battery Energy Storage Center (BESS) in August of 2020. The 30MW battery storage facility consists of 10 new battery line-ups (battery containers and integrated inverter/pad-mount transformer skids) connected to an adjacent 230/34.5 kV substation. The work includes, but is not limited to, the installation of all civil works, including the BESS pad, drainage infrastructure, roads, foundations, conduits, grounding, structures, equipment, batteries, and battery enclosures, control building, cabling, and testing.

The battery storage system is fed by the FPL Sunshine Gateway Solar Energy Center, a 74.5 MW facility sitting on over 900 acres located near the intersection of I-10 and I-75. The solar plant generates zero-emissions for FPL customers and generates enough renewable energy to power approximately 15,000 Florida homes. Operation of this renewable source is the equivalent of removing 12,000 cars from the road each year.

