

Walnut Grove Solar Facility

Mississippi Power's first self-owned solar facility



Project Overview

- Location: Walnut Grove, Mississippi
- Type: DC Coupled Solar plus Storage Facility
- Site is 16.5 Acres
- Commercial Operation Date: July 2023
- Mississippi Power will own, operate, and maintain the facility

Project Benefits

- Emission free, renewable energy source
- Bifacial Solar Panel Research
- DC Coupled PV and Storage Research
- Microgrid Research
- Leverage the small investment to gain institutional knowledge and potentially improve economics for a larger system in the future

System Specifications

- Nameplate Capacity – 1.5 MWAC
- Solar DC Capacity – 2.57 MWDC
- BESS¹ Capacity – 5.14 MWH
- Single Axis Tracking with bi-facial and mono-facial panels
- Microgrid capability

¹ Battery Energy Storage System

*If any associated renewable energy credits are sold, the ultimate purchaser of the renewable energy credits generated by the solar facility gains the exclusive right to claim that its load received any and all environmental benefits associated with the renewable energy generated.