

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
- Projected Commercial Operation Date: 3rd Quarter 2022
- 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