CASE STUDY

ANSON SOLAR

BACKGROUND

ENGIE North America (ENGIE) is a major player in renewable energy, particularly in wind, solar, and energy storage projects. ENGIE collaborates with various stakeholders to develop innovative energy solutions that reduce environmental impact. For the Anson Solar project, EPE served as ENGIE's owner's engineer throughout the design and construction phase, providing expertise to ensure compliance with regulatory standards and facilitating the efficient execution of the project.

CHALLENGE

A key challenge of the project was the detailed review of the photovoltaic (PV) plant design to ensure compliance with all applicable codes and standards. Additionally, the coordination of the MW overhead collection system presented logistical complexities, requiring precise alignment of engineering regulatory requirements, and execution to ensure the system's efficiency and compliance throughout the project lifecycle.

SOLUTION

EEPE worked closely with ENGIE and its consultants to review and refine design assumptions, ensuring the project met all compliance requirements. Through this collaboration effort, EPE helped optimize the design for efficiency and reliability, setting the foundation for a successful project implementation.

CLIENT

ENGIE

TYPE

Independent Power Producer (IPP)

SECTOR

Solar

ISO

ERCOT

LINE OF BUSINESS

Owner's Engineer

SERVICES PROVIDED

- Review of Preliminary Electrical Design Assumptions
- Desktop Review of PV Plant Design for NEC/ANSI/IEEE Compliance
- Comprehensive Review of MV Network Drawings
- Review of 30%, 60%, 90%, and IFC PV Plant Packages
- Collaboration on MV Overhead Collection Design for Bid Packages

LOCATION

Texas

COMPLETED DATES

May 2020

REFERENCE

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EPE ELECTRIC POWER ENGINEERS

Delivering Energy Intelligence