

Posey Solar, LLC

Project Summary

Project Location

The project is a 300MWac photovoltaic single-axis tracking solar project located within Marrs and Black Townships in Posey County, Indiana. Please refer to the Preliminary Site Plan (with Final Site Plan to follow) for a more detailed view of the project's location. The GIS coordinates of the project boundaries extend north to approximately 37.994271°,-87.812951°, south to approximately 37.905472°,-87.760183°, west to approximately 37.975423°,-87.831602°, and east to approximately 37.927884°,-87.727746°. The project will generate approximately 300 megawatts of power, enough to power approximately 50,000 homes in Indiana each year.

Size of Project Area in acres

The amount of land under option to lease agreements is approximately 3,300 acres; however some of this land has areas (ditches, wetlands, floodplain, structures, etc.) that make the placement of solar infrastructure unfeasible and will, therefore, be largely avoided. Thus, the fenced acreage of the solar panels is approximately 2,400 acres which is representative of the anticipated project area.

Components of the Proposed Solar Power Project

The main components of the Project include:

- Solar PV panels - The panels are comprised of silicon wafers and conduit, which are adhered directly to a substrate and encased in safety glass and metal. The project will consist of approximately 725,000 panels, which have an output rating of approx. 530-535 watts of DC power, are BiFacial, and are linked to one another via junction boxes to form an array. The planned maximum height of the panels is 12ft with a typical maximum height of around 9 ft. The vendor for the solar panels will be Jinko Solar (U.S.) Industries INC., which is a top tier (Tier 1) module manufacturer that meets the highest quality and safety standards in the industry.
- Racking to fasten and support the panels - Steel piles are driven into the soil (foundations typically not required); horizontal beams are then affixed to piles as part of the mounting structure; and the panels are then secured to the structures.
- Tracking system - The panels are mounted on tracking systems, which increase project output by orienting the solar arrays directly into the sun. A tracker follows the sun from east to west over the course of a day and stows parallel to the ground at night. The vendor for the racking and tracking system will be NEXTracker, a top tier (Tier 1) manufacturer that meets the highest quality and safety standards in the industry.
- Transformers and inverters - Inverters are electronic devices which convert solar electricity from direct current (DC) to alternating current (AC) and are typically placed interior at the end of tracker rows. The vendor for central inverters will be Sungrow, a top tier (Tier 1) manufacturer that meets the highest quality and safety standards in the industry. If optimization of the project determines that string inverters are needed to achieve the

required capacity, a top tier (Tier 1) manufacturer will be utilized which meets the highest quality and safety standards in the industry.

- Interconnection Facilities, Auxiliary & Backup Power, Electrical cabling, conduits, and site monitoring- Inverters connect to a project substation via cabling. Within the project substation, a step-up transformer will convert the medium voltage (AC) to high voltage (AC) for interconnection into the utility switching station which will then connect to the AB Brown-Gibson 345kV line. The Gen-Tie shall include structures, conductors, insulators, and hardware between the Substation and the point of change of ownership for a complete and functioning Gen-Tie. The transmission owner (CenterPoint) will build an Interconnection Substation (Switchyard) which sectionalizes the transmission owner's 345 kV AB Brown-Gibson line between AB Brown Substation and Gibson Substation, providing interconnection for the proposed Gen-Tie connecting to the project substation. The project substation shall consist of circuit breakers, disconnect switches, surge arrestors, relay and control systems, step-up transformers, bus work and supports, foundations, grounding systems, auxiliary control power, access roads and will be fenced in. The project site will also have monitoring points which allow for real time equipment alarms, sensor data, and data validation to be remotely monitored and controlled by the operations team. Weather stations will be installed throughout the sites to monitor site conditions and provide operational feedback in real time. Protection and control will include 345kV line protection; transformer protection; 345kV breaker failure; 34.5 kV feeder/breaker protection; revenue metering, MI/RTU/SCADA panel; and a Plant control system meter. Backup power shall be provided as required by Government authorities for emergency systems. An appropriately sized auxiliary transformer will power the plant facilities.
- Perimeter fencing, site access and internal roads, site storage, maintenance buildings - The project includes perimeter security fencing with controlled points of ingress and egress. Roads within the site provide access to the project equipment. If required by the utility, an operations and maintenance building as well as substation control housing may be built. Material will be stored during construction within temporary laydown areas which will be secured by fencing.

Site Plan Flexibility

As allowed by the Ordinance, flexibility is reserved with the Executive Director to approve non-material changes to the location of project components and improvements on various portions of the project area to accommodate project criteria, subject to County standards, if any, such that, by way of example, solar panels and/or electrical cabling and conduits may ultimately be located on different portions of the project area pursuant to the Final Development Plan submitted to obtain an Improvement Location Permit.

About Posey Solar, LLC

Posey Solar, LLC is an indirect wholly owned subsidiary of CD Clean Energy and Infrastructure VII JV, LLC. The Posey Solar management team has over 45 years of combined experience with renewable energy and has developed more than 3,000 megawatts (MW) of clean, renewable energy. Capital Dynamics has invested in over \$15 billion of renewable energy assets to date (operating projects and projects under construction).

Other solar projects developed by this development team include:

Project Name	Size	COD
Springbok 3	121 MWdc	2020
Mt. Signal 3	328 MWdc	2018
Beacon 2 & 5	108 MWdc	2017
Cal Flats South	200 MWdc	2019
Cal Flats North	172 MWdc	2018
Switch Core	188 MWdc	2022
Switch Citadel	127 MWdc	2022
Townsite	237 MWdc	2021
Eagle Shadow Mountain	387 MWdc	2021
Eland 1	354 MWdc	2022
Eland 2	354 MWdc	2023