COUNTY OF SAN DIEGO
DEPARTMENT OF PLANNING AND LAND USE: Zoning
SUPPLEMENTAL APPLICATION FORM

Type of permit requested: (check all that apply)

- ☒ Major Use Permit
- ☐ Minor Use Permit
- ☐ Administrative Permit
- ☐ Site Plan
- ☐ Modification
- ☐ Minor/Administrative Deviation
- ☐ Time Extension
- ☐ Others _____

Waivers or exceptions (e.g., height or setbacks with Major Use Permit) associated with the application:

Description of Proposed Use

Describe in detail the use/projects in terms of purpose, capacities, operating characteristics, access-parking arrangement, service radius and any other relevant data. Attach additional sheets.

Please see attached sheet

Attachment to DPLU-346S
LanWest Solar Farm LLC
MUP 3992-11-017

The Proposed Project is a CPV power plant with alternating current (AC) generating capacity up to approximately 5.4 megawatts (MW) AC. The Proposed Project would install up to approximately 264 CPV trackers grouped into four building blocks of up to approximately 66 trackers and one pair of 630 to 680 kilovolt (kV) inverters per building block. Each inverter pair is equipped with a small step-up transformer to step the voltage up to 12.5kV, at which level it will interconnect to the local distribution system. The AC inverter capacity determines the nameplate capacity of each building block to be 1.26 to 1.36 MW AC; therefore, with four building blocks and two inverters per building block, the total project capacity is 5.0 to 5.4 MW AC. The Proposed Project would also include an electrical collection system, communication lines within each building block, the construction of a small switch station at or near the southwest corner of the Project site, and a 12.5kV dedicated generation tie in (gen-tie) line from the switch station across Old Highway 80 and southwest to the Boulevard substation, a distance of approximately 0.75 mile. Additionally, approximately 20 additional acres are included in the Project area and would be designated as project open space. The Site Plan provides the layout of the Proposed Project's main components including water tanks for fire protection.

Construction of the Proposed Project would involve selective clearing and grubbing of vegetation (see below), some grading, construction of CPV foundations, trenching for the electrical collection system and communication lines within each building block, installation of small concrete footing at each pair of inverters, construction of the small switch station, and installation of the short 12.5kV dedicated gen-tie line from the switch station to the Boulevard Substation. The construction period would be between 6 and 12 months.

Selective clearing and grubbing would be required for construction and access and as necessary to comply with fire code. The Project site would be re-vegetated, except around project components and where primary and/or secondary service road access is required. Trenching for the electrical collection system and communication lines within each building block would entail a trench up to approximately three feet deep and one to two feet wide. The trenches would be filled with base material above and below the conductors and communications lines to ensure adequate thermal conductivity and electrical insulating characteristics. Any non-road disturbed area would be re-vegetated upon completion of construction, however an effort to locate trenches beneath access tracks, which may not be re-vegetated, would minimize disturbance. Material from the foundation and trench excavations would be negligible and used for site leveling, foundation pads, inverter and transformer pads, and the switch station pad. The trackers would be assembled on-site.

Operations of LanWest would entail off-site monitoring of the Project through a supervisory control and data acquisition (SCADA) system utilizing on-site sensors or a comparable system that would maintain tracker orientation towards the sun. At night, the trackers would be positioned vertically to minimize dust collection. When winds are high, the trackers would be positioned in a horizontal mode. The PV trackers and communication/monitoring system onsite would require minimal usage of grid-provided electricity for operations use. Project operations and maintenance personnel, as well as equipment storage would be located offsite, at a nearby central facility for all Soitec Solar operations.