

Date:

May 21, 2015

Applicant:

Jacumba Solar LLC
700 Universe Boulevard, Junco Beach
Florida 33408
Contact: Mr. Jesse Marshall
Jesse.Marshall@nexteraenergy.com

Applicant's Representative:

Dudek
Contact: Ms. Callie Ford
760.479.4293
cford@dudek.com

Project Name:

Jacumba Solar LLC - Jacumba Solar Energy Project, WDID No. 7A373006001

Receiving Water:

Carrizo Creek and the Salton Sea

Location:

City or area: Unincorporated San Diego County, San Diego County, California
Longitude/ Latitude: W116°7'51.19"/N32°37'30.54"
Township/Range: Township 18 South, Range 8 East, Sections 2 and 11

Project Description:

The proposed Project consists of:

- Developing approximately 20 megawatts (MW) of renewable solar energy that can operate during on-peak power periods that indirectly reduce the need to emit greenhouse gases (GHGs) caused by the generation of similar quantities of electricity from either existing or future non-renewable sources to meet existing and future electricity demands.
- Developing approximately 20 MW of renewable solar energy that satisfies the terms of the Proposed Project's Interconnection Agreement.
- Developing an in-basin utility-scale solar energy project that would improve reliability for the San Diego region by providing a source of local generation as near as possible to the East County (ECO) Substation and other recent regional transmission improvements.

The construction of the solar facility and associated gen-tie area would consist of several phases occurring simultaneously with the construction of:

- (1) Photovoltaic (PV) systems assembly consisting of pile driving of support racks and the placement of panels on support racks
- (2) Trenching and installation of the direct current (DC) and alternating current (AC) collection system
- (3) Point of interconnection upgrades, and
- (4) Grading of access roads

Construction of the proposed project would involve:

- Clearing and grubbing of the existing vegetation
- Grading necessary for the construction of access and service roads and the installation of solar arrays
- Trenching for the electrical DC and AC collection system, including the telecommunication lines
- Installation of the inverter stations
- Construction of underground 34.5 kilovolt (kV) collection systems leading to the project substation; and
- Construction of the project substation, energy storage facility, and the aboveground gen-tie line from the project substation to the adjacent ECO Substation.

Trenching requirements for the DC and AC electrical collection system and telecommunication lines would consist of a trench up to approximately 3 to 4 feet deep and 1 to 2 feet wide. The trenches may be filled with sand or another inert material to provide insulation and heat dissipation for the direct buried cable within the collection system. The topsoil from trench excavation would be set aside before the trench is backfilled and would ultimately comprise the uppermost layer of the trench. Excessive material from the foundation and trench excavations would be used for site leveling.

In order to reduce fugitive dust and erosion, the disturbed areas on each site would either be treated in one of the following methods, or a combination of both:

- Treatment with a permeable nontoxic soil binding agent (preferred method), and/or
- Placement of disintegrated granite (DG) or other base material (good for roads).

Action:

Pending

Water Board Contact:

Jay Mirpour, Water Resources Control Engineer
(760) 776-8981
jmirpour@waterboards.ca.gov