



# BEAR VALLEY

solar project

## Renewable Energy in California

5 MW Solar | San Bernardino County, CA

### Project Overview

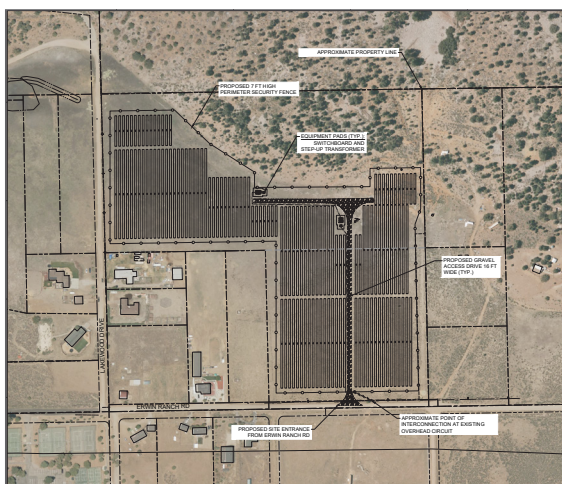
EDF Renewables Distribution-Scale Power has been hired by Bear Valley Electric Service, Inc. (BVES) to develop the 5 MW (megawatt) Bear Valley Solar Energy Project, located on approximately 30 acres of undeveloped land bordered by Erwin Ranch Road and Lakewood Drive. The project will generate renewable electricity that connects directly into the BVES distribution system, which will provide clean, emission-free power directly to local homes and businesses. By doing so, this project will also help improve the resiliency of Big Bear Valley's local distribution grid.

Currently, most electricity delivered to the Big Bear Valley region comes from off-mountain sources through one of two transmission lines that are subject to Public Safety Power Shutoff (PSPS) events. Producing solar power

locally mitigates the effects of these PSPS events for BVES customers.

California's Renewable Portfolio Standard requires BVES to serve 60 percent of its electric retail sale from renewable sources by 2030, with interim targets. By generating emission-free power locally, this solar project will help BVES meet these requirements cost-effectively, reducing the need to purchase more expensive Renewable Energy Certificates (RECs).

We are committed to communicating clearly with you throughout construction and helping maintain the quality of life that is special about the Big Bear Valley and San Bernardino County communities. If you have any questions, please do not hesitate to reach out.



Bear Valley Solar is expected to generate approximately 13,987,000 kWh of clean electricity each year.

**13,987,000 kWh IS EQUIVALENT TO...**



**2,150**

HOUSEHOLDS  
POWERED<sup>1</sup>



**2,300**

PASSENGER CARS  
DRIVEN OVER  
ONE YEAR<sup>2</sup>



**645,060,945**

SMART PHONE  
CHARGES<sup>2</sup>

<sup>1</sup>According to U.S. Energy Information Administration (EIA) 2020 Residential Average Monthly Bill by Census Division and State.

<sup>2</sup>According to U.S. EPA Greenhouse Gas Equivalencies calculations and typical transmission assumptions.

### PROJECT HIGHLIGHTS

- \$3.5 Million in local economic stimulus through direct project spend including labor, materials, and hospitality
- Local electricity generation improves grid resilience and mitigates Public Safety Power Shutoff events by reducing dependence on off-mountain generation and transmission sources.
- Complies with California's Renewable Portfolio Standard requirements by generating emission-free power locally, thereby reducing the need to purchase more costly Renewable Energy Certificates (RECs).
- Contributes to greenhouse gas reductions required by the California Public Utilities Commission.
- Reduces reliance on the gas-fired Bear Valley Power Plant, helping improve local air quality for both residents and tourists.
- Bear Valley Electric Service selected the site due to its proximity to local distribution infrastructure, proximity to load, and site characteristics for ideal solar development —e.g., undeveloped open flat land.

# About the Bear Valley Solar Project

## THE MINIMAL IMPACTS OF SOLAR PROJECTS

The Project will generate emission-free renewable energy into the local power grid for years to come, making electricity more reliable for you and all BVES customers while helping to improve local air quality.

To the extent possible, we leverage community knowledge and talent by contracting with local consulting and construction companies. Our solar sites can be fully decommissioned at the end of their operational life (typically 35 years), and land returned to its previous—if not an improved—condition and use.

## BENEFITS OF SOLAR

- Solar is clean, quiet, and safe, causing no health concerns or permanent land use impacts.
- Solar provides economic development opportunities through direct project spend including labor, materials and hospitality.
- During its operation, the project will generate clean electricity for local residents without straining existing infrastructure or contributing to traffic congestion.



## PROJECT TIMELINE

**Q3/4 2025**

Permits approved

**Q4 2026**

Commercial operation

**Q2 2026**

Commencement  
of construction

*Dates are estimates.*

Let's talk energy.



**Yannick Tamm**  
Senior Manager,  
Project Development  
yannick.tamm@edf-re.com  
857.378.9659  
[www.edf-re.com](http://www.edf-re.com)

