# Desert promotion of solar power plants

## Overview

As land degradation becomes more severe (see Nature 623, 666; 2023), desert photovoltaics are a triple-win, fostering not only clean-energy generation but also ecosystem recovery and local poverty reduction. Panels provide shade, cutting surface water evaporation by 20–30%. Water used for cleaning. The Mojave Desert is truly one of the world's "Last Great Places. " Its scenic beauty and natural wonders shelter a huge range of plants and animals, and its 20 million acres provide for people in a multitude of ways—clean water to drink, fresh air to breathe, energy to power our lives and economic. A presentation titled, "Solar energy in the desert: Ecological impacts of utility-scale photovoltaic facilities in the rapid renewable energy transition" by Claire Karban, USGS, Seth Munson, USGS, Jeffrey Lovich, USGS Emeritus, Lara Kobelt, BLM, Juan Pinos, University of Nevada Las Vegas, Matt. Energy companies are moving solar projects to unconventional sites like deserts, farms, and waterways to avoid using arable land. China's “solar great wall” in the Kubuqi Desert and canal-based projects in California showcase innovative dual-use solar solutions. Here is an excerpt on what lies. The Ivanpah Solar Electric Generating System is a 386-megawatt project consisting of three solar concentrating thermal power plants located in the Mojave Desert in San Bernardino County.

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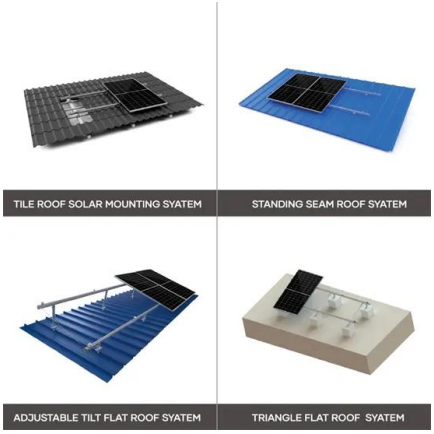


[Solar energy in the desert]

Summary: This presentation describes research on soil and plant communities impacted by utility-scale solar energy (USSE) development in the Desert Southwest, USA.

[Solar Development in the Mojave Desert]

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