



# Montserrat brightsource energy ivanpah

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In 2011, BrightSource Energy was in the middle of building a \$2.2-billion, first-of-a-kind concentrated solar power project in the Mojave Desert. Ivanpah was a 440-megawatt CSP plant that then-CEO John Woolard and his team hoped would be the first of many large-scale, commercial deployments.

IVANPAH Rising 450 feet above the California desert, Ivanpah is the world's largest concentrating solar power facility. INVESTING in AMERICAN ENERGY OWNERS BrightSource Energy, NRG Energy & Google LOCATION Ivanpah Dry Lake, California LOAN AMOUNT \$1.6 Billion ISSUANCE DATE April 2011 GENERATION CAPACITY 392 MW PROJECTED ANNUAL ...

BrightSource Energy Inc. has selected Bechtel as the engineering, procurement and construction (EPC) contractor for the Ivanpah Solar Electricity Generating System. The two companies also announced that Bechtel Enterprises, the project development and financing arm of the Bechtel organization, will become an equity investor in all of the ...

In the time it took BrightSource Energy to build its 377 megawatt Ivanpah Solar project on over 5 square miles of pristine desert, California added more than twice as much clean energy capacity with rooftop solar, and other companies added hundreds of megawatts to the grid from solar projects built on already-disturbed lands.

The pilot paved the way for BrightSource Energy, where John was CEO, to build its first commercial CSP plant, a 440-megawatt project in the Mojave Desert called Ivanpah. John and his team believed they were far ahead of the competition, including photovoltaics.



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Ivanpah uses power tower solar thermal technology to generate power by creating high-temperature steam to drive a conventional steam turbine. Mirrors are used to concentrate sunlight and create steam, which is then converted to electricity.

It's been a long road for the Ivanpah Solar Electric Generating System (ISEGS), from its formal proposal by BrightSource Energy in 2007 through the well-publicized problems with desert wildlife, some of which actually brought construction to a brief halt in 2011.

While reviewing my many Ivanpah Solar project photos from ground level, "Aerial Views of Construction Progress" showing the mirror field site preparations for Ivanpah 1 over at Basin & Range Watch had already trumped my survey. I first saw the photos in "Destruction of the Ivanpah Valley" on the Mojave Desert Blog. Please click on the ...

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