

## SOLAR POWER TAKES ROOT IN THE NEVADA DESERT

**Customer:**

**NV Energy** serves more than 807,000 electricity customers in Las Vegas and other communities of Clark and Nye Counties in Nevada. Due to the gaming industry's success in the region, NV Energy faces the challenge of a 4% growth rate, one of the highest of any electric utility the country.

With less than five inches of annual rainfall, cultivating new life in the southern Nevada desert can be challenging. For NV Energy, however, this arid climate with 345 days of sunshine per year is nurturing an installation of utility-scale solar power generators built by commercial solar power company Amonix, Inc.

Spread across an acre just east of US Highway 95 at Russell Road, each of the three Amonix concentrated photovoltaic (CPV) systems at NV Energy's Clark Generation Station rise over five stories from the desert floor, and - much like sunflowers - tilt to follow the sun's daily trajectory. They make an arresting sight for passing motorists, particularly when contrasted against the more traditional power generation equipment at NV Energy's natural gas facility nearby. This visual juxtaposition creates a powerful image; the arrays aren't just efficient, clean generators of lower cost energy for the citizens of Las Vegas - they are also a strong visible reminder of NV Energy's commitment to implementing renewable energy sources as well as their successful partnership with Amonix.

**Location:**

Clark Generating Station  
5649 Stephanie Street  
Las Vegas, NV 89122



**75 kW Amonix Installation at NV Energy**

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Founded in 1989, CA-based Amonix has utility-scale solar power generator installations around the world. According to Amonix founder and CTO Vahan Garboushian, the solar power plant at Clark Generation Station is thriving in its new desert home. In the 26 months since their installation, the three CPV systems have generated over 300,000 kW of grid power, much of it for use during midday peak energy demand times.

Using propriety technology, Amonix solar power generators concentrate the sunlight 500 times and have over twice the system efficiency of traditional photovoltaic panels mounted on a residential rooftop. Currently, the Amonix CPV systems generate electricity at rates competitive with other renewable energy sources, and significantly more competitively than conventional solar panels. The process is also far cleaner than burning fossil fuels; the NV Energy installation saves 110,000 gallons of water and offsets 129 tons of CO<sub>2</sub> emissions yearly.

The Nevada desert is proving to be a very hospitable environment for the CPV solar power plant at Clark Station, and is nurturing a fruitful collaboration between Amonix and NV Energy.

### ***About Amonix***

Amonix designs and manufactures concentrated photovoltaic (CPV) solar power systems that require less water, use land more efficiently, and produce more energy per acre than any other solar technology. Designed for utility-scale installations starting at two megawatts, Amonix systems are deployed quickly and achieve optimal performance and reliability while delivering an industry-leading levelized cost of energy (LCOE). With the industry's longest track record of real-world CPV deployments, Amonix is proven and bankable – the best choice for solar power systems in sunny and dry climates.

Founded in 1989, Amonix is headquartered in Seal Beach, CA, and has design and manufacturing facilities in Torrance, CA and Seal Beach.

***Powering our Future™***

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