



Nevada Solar One Solargenix Energy

Boulder City, NV

The Nevada Solar One – Solargenix Energy project is the third largest solar energy center in the world, and the largest capacity facility built in 15 years. The massive project covers 400 acres with reflective mirrors, which are computer-controlled to rotate to the most effective angle to the sun. The desert location of the project means the hot-dip galvanized steel will be exposed to intense UV rays.



Solargenix's past experience with hot-dip galvanized steel convinced them maintenance-free galvanized steel was the most cost effective option for the facility. The 180,000 mirror panels will be capable of producing 64 MW of power. This renewable energy source has the potential to compete directly with conventional fossil fuel powered technologies, and is becoming a well-known alternative fuel source. This project is a first in the US of this size and magnitude, but larger projects are planned in Nevada and California. After the success of employing hot-dip galvanized steel in this project, it is expected that the additional plants will use galvanized steel as well. The durability and longevity provided by galvanized steel will ensure hot-dip galvanized steel will be a player in the expanding alternative energy market well into the future.

Specifier, Engineer
Lauren Engineers

Architect, Engineer
Solargenix





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