

Environmental Leadership

Mojave National Preserve California

Install Solar System at Zzyzx Desert Studies Center

Partner: California State University at Fullerton
Total Cost: \$183,986

Switching to Solar

Summary: Installing a new solar array as an upgrade to an existing system will provide 95% of the energy used at the Zzyzx Desert Studies Center. The upgrade will eliminate the need for the existing diesel powered backup generator, reducing fuel costs, greenhouse gasses, noise, and air pollution.

Description: The installation of this 9.6 Kw off-grid solar array system will include 160 sixty watt panels, 32 sealed gel-cell batteries, a system control processor, inverters, converters, a transformer, a battery charger, thermostats, a metering system, a container, a load center, and a solar mounting framework. The funding will cover a contract to install the complete system by a licensed solar system installer.

The Zzyzx Desert Studies Center is a research and education facility operated by California State University at Fullerton within the boundaries of Mojave National Preserve, under a Cooperative Agreement with the National Park Service.



Zzyzx Desert Studies Center is a residential research and education facility.