

CASE STUDY

Flowing Wells Jr. High School

Ballasted ground mount solution allowed for solar installation on otherwise unused archaeological site.

Flowing Wells USD partnered with SOLON to construct solar at District schools, including a 512.53 kWdc project at the Junior High that would produce 20.8 million kWh of electricity over the life of the system and save the District at least \$2.6 million. While solar parking canopies and superstructures work well at most schools, the optimum location at the Junior High was a parcel of land owned by the District and located just north of the school.

The parcel had remained unused because it lies within the boundaries of a known archaeological site called the Hodges Site. Prehistoric remains were uncovered during previous preliminary construction activities in the area, and, after performing archeological testing at the request of the District, the Center for Desert Archeology recommended no further construction occur on the site.

SOLON proposed a ballasted ground mount solution which allowed for the solar modules to be installed without penetrating the ground, allowing for zero impact to the archeological site. Security fencing was also supported with a ballasted system and all conduit was installed above ground. Together, SOLON and Flowing Wells USD were able to secure archaeological approval and permits to proceed with the project.

Find Out How Much You Can Save

**Contact us at info@solonamerica.com
for a Free Solar Savings Analysis.**



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About the Hodges Site:

The Hodges site is eligible for nomination to the National Register of Historic Places and is one of the Tucson Basin's largest archeological sites. Excavations indicate that occupation of the site could have begun as early as A.D. 650, with it being a major village by A.D. 750.

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