

Case Study:

Imperial National Wildlife Refuge

Yuma, Arizona

“We feel that we’re doing the right thing by using the sun for renewable energy production. It’s a wonderful addition to our visitors’ center.”

- Ken Edwards, Refuge Manager

System Specifications

System Size

17.5kW

Estimated Yearly Power Production

25,900 kWh (+/- 10%)

Offset Percentage

74%

System Configuration

Utility Interaction - Grid Connected

Solar Modules - 111 Kyocera KC158G

Inverters - SMA SunnyBoy SWU 2500U (208VAC)

Batteries - None

Charge Controllers - None

Mount Structure

ProSolar RoofTrac on Roof / Custom Steel Structure on shade canopy

Financial Incentive

Phase 1: 10 kW, APS rebate @ \$4 / Watt DC

Phase 2: 7.5 kW, APS Rebate @ \$4 / Watt DC

Unique Feature

Custom 7.5 kW DC steel shade canopy over picnic area

Location

12812 N. Wildlife Way, Yuma, Arizona 85365

Date Completed

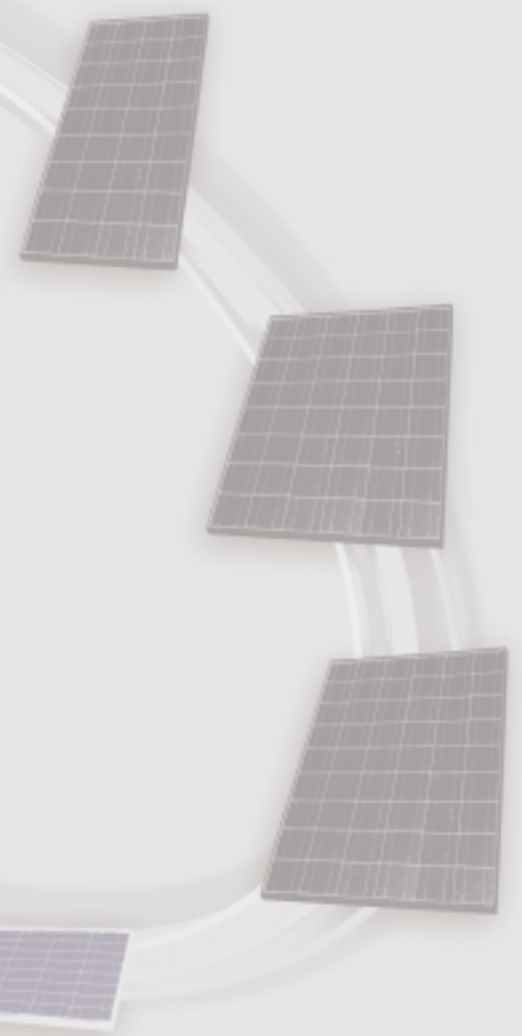
January 2004

Installer

American Solar Electric, Inc.



**Imperial National
WildLife Refuge
Yuma, Arizona**



About American Solar Electric, Inc.

American Solar Electric, Inc. is a Phoenix-based design / build firm specializing in solar electric power systems for commercial, industrial and residential applications. The company offers complete design services and is licensed, bonded, and insured for both commercial and residential electrical contracting in the State of Arizona under ROC license class K-11, #168657.

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About Kyocera Solar

Kyocera Solar, Inc. is a world-leading supplier of environmentally sound, solar electric energy solutions, with headquarters in Scottsdale, AZ and sales affiliates in Brazil and Australia. Kyocera's expertise is based upon designing, manufacturing, and installing the most technologically advanced solar electric power systems available today. With thousands of successful installations worldwide, Kyocera continues to be the leader in the solar electric industry.

The company is a wholly-owned subsidiary of Kyocera International, Inc. of San Diego, the North American headquarters and holding company for Kyoto, Japan-based Kyocera Corporation (NYSE: KYO).

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