



# VETERANS HOSPITAL, ARIZONA USA

## GROUND MOUNT AND CARPORT SOLAR ARRAYS

- Dual benefit of renewable energy production and shade
- Significant reduction of utility power drawn during most expensive time of day
- Contribution towards owner's goal of 15 percent renewable energy share

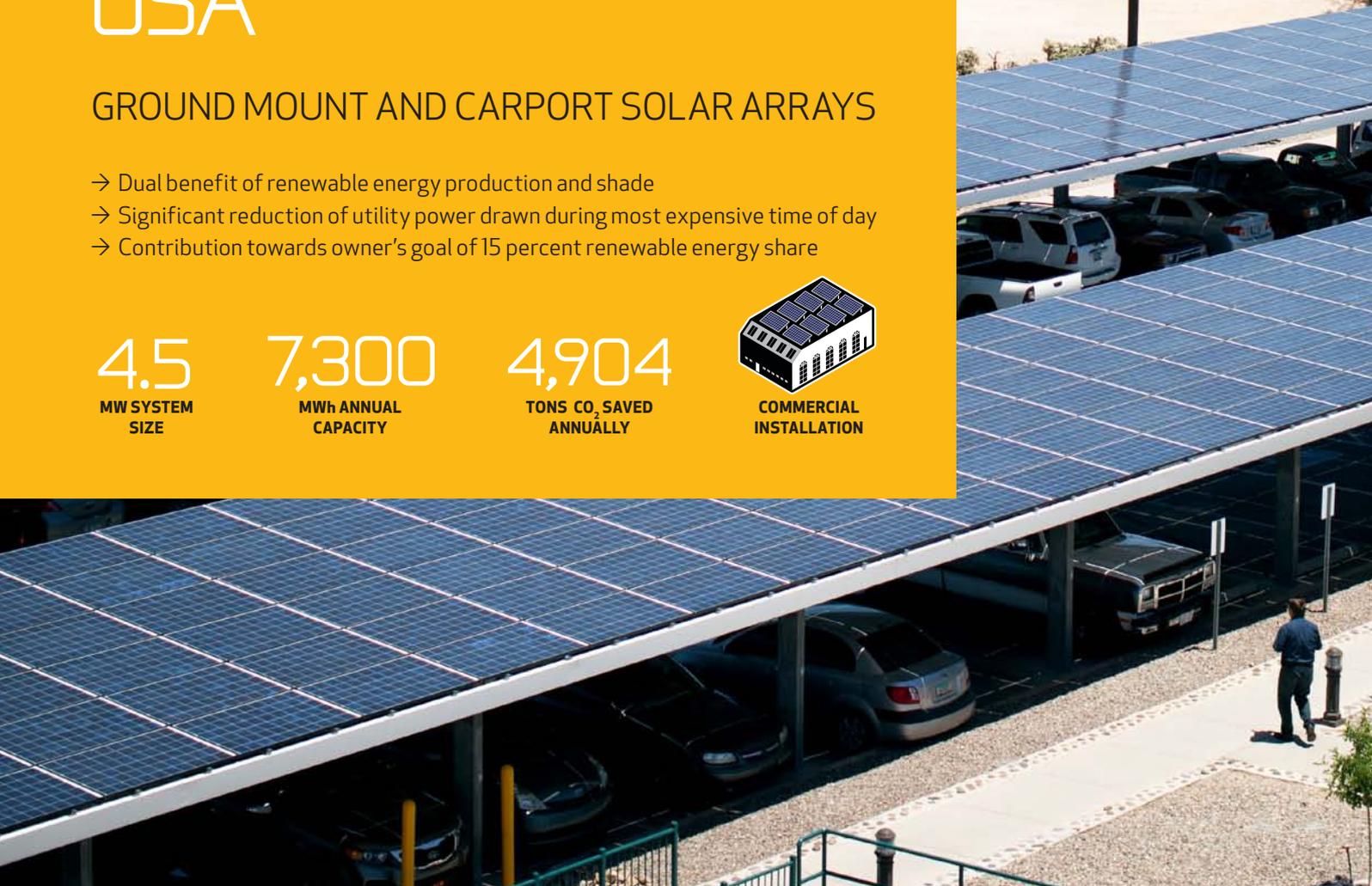
**4.5**  
MW SYSTEM  
SIZE

**7,300**  
MWh ANNUAL  
CAPACITY

**4,904**  
TONS CO<sub>2</sub> SAVED  
ANNUALLY



COMMERCIAL  
INSTALLATION



In the hot desert of Tucson, this installation significantly reduces the electricity bill, provides shade for over 1,700 cars and makes productive use of dormant land.

“End customers expect to get the performance proposed, not one watt less. The guaranteed high performance of solar panels from REC was a key element in our winning value proposition.”

BURKE KASCHA-HARE, DIRECTOR OF FEDERAL BUSINESS DEVELOPMENT, REC SOLAR, INC.



**THE U.S. DEPARTMENT** of Veterans Affairs' (VA) goal is to increase renewable energy consumption to 15 percent of their annual energy consumption by 2013. In pursuance of this ambition, REC Solar, Inc. has installed REC solar panels at 10 VA facilities across the continent, including this combined carpark and ground-mounted tracker installation at the Veterans Hospital in Tucson, Arizona. At completion, the installation is the largest PV system currently on the Tucson Electric Power utility grid.

By going with high-quality modules from REC, REC Solar, Inc. was able to design a very efficient and reliable system, as well as offer the customer the most robust and longest warranties in the industry. REC's commitment to maintaining a strong customer relationship, both towards REC Solar, Inc. as the system designer and installer, and the end user, also helped make REC the natural choice as supplier.



REC is a leading global provider of solar energy solutions. With more than 15 years of experience, we offer sustainable, high performing products, services and investments for the solar industry. Together with our partners, we create value by providing solutions that better meet the world's growing energy needs. REC is headquartered in Norway and listed on the Oslo Stock Exchange (ticker: RECSOL). Our 1,600 employees worldwide generated revenues of USD 647 million in 2013.

The 4.5 MW installation comprises a 2.9 MW carport roof system and a ground-mounted 1-axis tracker installation of 1.4 MW. While the carport system serves the dual purpose of generating power and providing shade, the tracker was installed on dormant land that was not ideal for any other use. In all, the installation consists of 19,526 solar panels, of which 18,154 are REC 235W PE-US (carports) and 1,372 are REC 220W PE.

The tracker system was completed in August 2010 and the carport system in December 2011. Over the next 25 years, it is expected that the VA Veteran Hospital installation will produce up to 183,000 MWh of electricity and reduce CO<sub>2</sub> emissions by nearly 122,600 tons.

## PROJECT OVERVIEW

# VETERANS HOSPITAL ARIZONA

### CARPORT ROOFTOP AND GROUND MOUNTED 1-AXIS

**Owner:**

Southern Arizona Veterans Health Care System

**Location:**

Tucson, Arizona, USA

**Type of Installation:**

Carport rooftop and ground-mounted tracker system

**System Size:**

4.5 MW

**Solar Panel Type:**

REC 235 PE and REC 220 PE

**Number of Solar Panels Installed:**

19,526

**Annual Capacity:**

7,300 MWh

**Completion Date:**

August 2010 (1-axis), December 2011 (carports)

**System Integrator:**

REC Solar, Inc.



[www.recgroup.com](http://www.recgroup.com)