



# WILLIAM R. SINKIN CENTENNIAL

SOLAR FARMS 1 & 2

## Frequently Asked Questions

### **What is the development history of this solar farm?**

As part of CPS Energy's Vision 2020 plan, the utility contracted with SunEdison to develop 30 megawatts (MW) of solar energy to help fulfill its commitment to have 1500 MW of renewable energy by 2020. SunEdison then partnered with the San Antonio Water System (SAWS) to use vacant land at the water utility's Dos Rios Water Recycling Center to develop nearly 20 MW of solar energy on two separate parcels of the land.

### **When did construction begin?**

Construction began on both sites in November 2011.

### **How many people worked on the solar facility?**

At the peak of construction, there were approximately 170 to 175 people working on each of the two sites. An estimated 125 of the temporary construction jobs were local hires.

### **When was the facility activated?**

April 2012

### **How much electricity will the sites produce?**

The combined generation output of the sites is 19.8 MW (AC).

### **How many houses can be powered by these facilities?**

The sites will produce enough energy to serve an estimated 2,550 homes annually.

### **How many acres of land does each site take and how many panels are there at each site?**

Centennial 1 is located to the north of Valley Road and is approximately 98 acres with 41,472 panels.

Centennial 2 is located to the south of Valley Road and is approximately 99 acres with 41,562 panels.

### **Do the solar panels track the sun?**

Yes. The sites utilize ground-mounted photovoltaic systems on single-axis trackers for production optimization.

### **What is the expected lifetime output of the facilities?**

The solar farms are expected to produce more than 35.7 million kilowatt hours (kWh) of clean solar energy in the first year of operation and more than 893 million kWh over 25 years.

### **What are the environmental benefits of the Centennial Solar Farms?**

The sites will offset 1.1 billion pounds of carbon dioxide over 25 years. That is the equivalent of removing 109,000 cars off the road for one year.

### **Are there other community benefits related to this solar development?**

As one of CPS Energy's New Energy Economy partners,

SunEdison invested millions locally in this project including the opening of a regional office in San Antonio. Per SunEdison's agreement with CPS Energy, the California-based company also contributed \$300,000 in scholarship funds to the University of Texas at San Antonio and Alamo Colleges' Alamo Academies.

### **What is CPS Energy's New Energy Economy?**

The New Energy Economy is CPS Energy's approach to attract business partners that drive job growth, improve our environment and invest in education. This commitment is redefining our community, and San Antonio is emerging as a hub for clean energy technology. The partnership with SunEdison is a result of CPS Energy's commitment to its New Energy Economy.

### **Who owns the solar farms?**

CITI owns the solar farms. Under a long-term purchase power agreement, CPS Energy will purchase the energy produced from the solar deployment at fixed energy rates for 25 years. SunEdison was responsible for the financing and construction of the project and will oversee operation for 25 years.

### **Who owns the solar farm site?**

The land is owned by SAWS.

### **Who built the solar facility?**

SunEdison contracted with Fluor Enterprises to construct the facility.

### **Who is operating, monitoring and maintaining the facility?**

SunEdison Services team will be maintaining, operating and monitoring the facility under a service and operating agreement.

### **Can the modules withstand severe weather such as hail and lightning?**

The modules are designed to withstand hail. Lightning arrestors are built into the system to absorb the energy from lightning strikes and protect the overall system.

### **Who are the module and inverter manufacturers?**

MEMC is the module manufacturer and Power One is the inverter manufacturer.

### **How deep are the posts for the racks?**

The posts are embedded 6 to 6½ feet in the ground.

### **Where is the location of the remaining 10 MW?**

The remaining 10.6 MW (AC) of solar energy come from two solar facilities located in nearby Somerset, Texas. The facility is expected to be activated in June 2012.

# Getting Solar Energy to You

