

# Concentrating Solar Power Projects (/)

ENERGY

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## Maricopa Solar Project

The Maricopa Solar plant was decommissioned in September 2011.

Status Date:

November 21, 2013

### Background

Technology:

Dish/Engine

Status:

Currently Non-Operational

Location:

Peoria, AZ

United States

County:

Maricopa

Lat/Long Location:

33° 33' 31.00" North, 112° 13' 7.00"

West

Land Area:

15 acres

Break Ground Date:

September 2009

Start Production Date:

2010

Construction Job-Years:

50

Annual O&M Jobs:

5

Project Type:

Demonstration

## Participants

Developer(s):	Tessera Solar
EPC Contractor:	
Mortenson Construction	
Operator(s):	Tessera Solar
Generation Offtaker(s):	Salt River Project (SRP)

## Plant Configuration

### Solar Field

# of Dishes:

60

Dish Manufacturer (Model):

Stirling Energy Systems (SES)  
(SunCatcher™)

Dish Description:

Each SunCatcher produces 25  
kilowatts of power

Dish Description 2:

Each SunCatcher produces 25  
kilowatts of power

### Power Block

Turbine Capacity (Gross):

1.5 MW

Turbine Capacity (Net):

1.5 MW

Output Type:

Stirling

Cooling Method Description:

The SunCatcher does not use water  
for electricity generation or cooling  
cycles. Minimal water is used for site  
operations and washing its mirrors.

Gross Annual Solar-to-

Electricity Efficiency

(Percentage):

26%


# Thermal Storage

Storage Type:

None

<b>Project Overview</b>	
<b>Project Name:</b>	Maricopa Solar Project (Maricopa)
<b>Location:</b>	United States (AZ)
<b>Location:</b>	Peoria (AZ)
<b>Owner(s):</b>	Tessera Solar
<b>Technology:</b>	Dish/Engine (/by-technology/dish-engine)
<b>Turbine Capacity (Net):</b>	1.5 MW
<b>Turbine Capacity (Gross):</b>	1.5 MW
<b>Status:</b>	Currently Non-Operational (/by-status/currently-non-operational)
<b>Start Year:</b>	2010

Do you have more information, corrections, or comments  
(mailto:Webmaster\_Solar@nrel.gov?subject=SolarPaces)?

Download Project Data  (download-project/416?\_format=csv)