

## Photovoltaics

Often referred to as “solar electricity,” photovoltaics (PV) uses panels to convert sunlight directly into electricity. Solar technology is an attractive alternative to conventional sources of electricity and can be installed at most non-shaded locations.



## Solar PV Electricity is Unique

**PV** produces clean, safe renewable energy.

**PV** has no moving parts so they are quiet and dependable forms of generating electricity with low maintenance & repair rates.

**PV** does not require any special training to operate and can last well over 20 years.

*PV systems are modular and versatile which offers several configuration options for installation. Although a rooftop makes an excellent location for your PV panels, they can also be mounted onto poles or even on ground.*

## Sustainable Development Fund's Solar Photovoltaic Grant Program

Grants are available, for a limited time, from the Sustainable Development Fund (SDF) to encourage more photovoltaic (PV) system installations in Southeastern Pennsylvania. The SDF Solar Photovoltaics Grant Program will provide grants to you and to your contractor. Grant levels have been increased. For homeowners, the maximum grant amount is \$25,000, and for non-residential applications, the new grant maximum is \$42,500.

### TO BE ELIGIBLE:

You must currently reside in the PECO Energy service territory.

To receive a grant, your site must have adequate solar exposure.

Some system size restrictions apply to qualify for a grant.\*

The PV system must be installed by a participating contractor and approved by the SDF to ensure a high quality, safe product.

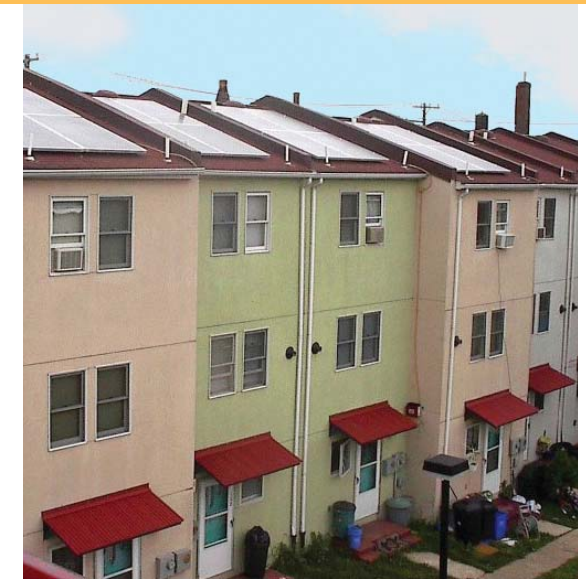
\* For residential systems: 1kW - 5 kW  
For non-residential systems: 1kW - 10 kW

## Interesting Tidbits

Due to advances in solar technology, direct, continuous sunlight is not critical to making solar work.

Germany & Japan are currently world leaders in installing solar, but much of the technology is manufactured by U.S. factories.

Solar power uses 98% less water per megawatt hour generated than the most efficient natural gas generation.



## Other Useful Websites . . . . .

Philadelphia Million Solar Roofs Partnership  
[www.phillysolar.org](http://www.phillysolar.org)

National Million Solar Roofs Program  
[www.eren.doe.gov/millionroofs](http://www.eren.doe.gov/millionroofs)

U.S. DOE's National Center for Photovoltaics  
[www.nrel.gov/ncpv](http://www.nrel.gov/ncpv)

## I'm interested, what should I do?

Visit our website, e-mail or call us for more information such as a list of Participating Contractors, tips on choosing a contractor, details on applying for a grant, a full packet of information and more . . .

**visit us:** [www.sdfsolar.com](http://www.sdfsolar.com)  
**e-mail us:** [solarpv@trfund.com](mailto:solarpv@trfund.com)  
**call us:** 215-635-0900

**write us:**  
SDF Solar PV Grant Program  
7217 Oak Avenue  
Melrose Park, PA 19027-3222

## What's next?

Choose a contractor from the participating contractor list (see our website for "Tips on Choosing a Contractor"). Set up an appointment for a solar site survey. Some contractors may charge for this service.

When you're ready to go forward, the contractor will develop a design proposal with a cost estimate and a performance projection. Your SDF participating contractor understands the program and will guide you through the grant application process.



*"I can't say enough good things about my solar system; it's clean, there is no noise and it is unobtrusive. Ever since the oil embargo in 1973, I knew we needed to invest in alternative energy as a hedge against reliance on foreign oil."*

Sherwood Shugart  
retired, actively working in his cabinet-making shop

*"I installed solar PV to invest in our home and family's future!"*

Bob and Dianne Salerni  
Engineer, Teacher

*"During the California energy crisis, it seemed like the perfect opportunity to generate electricity from solar for my 5200 sq. ft. home. Now I generate 35% of my electricity from photovoltaics, and reduce greenhouse gas emissions too! It's great."*

Michael Earyes  
Pharmaceutical Consultant



The **Sustainable Development Fund (SDF)** is a not-for-profit organization created in 1999 by the Pennsylvania Public Utility Commission to promote renewable energy and energy conservation in southeastern Pennsylvania. SDF provides financial support and education to promote the increased use of clean energy technologies.

# Solar Photovoltaics Grant Program

promoting clean energy

*power from the sun*

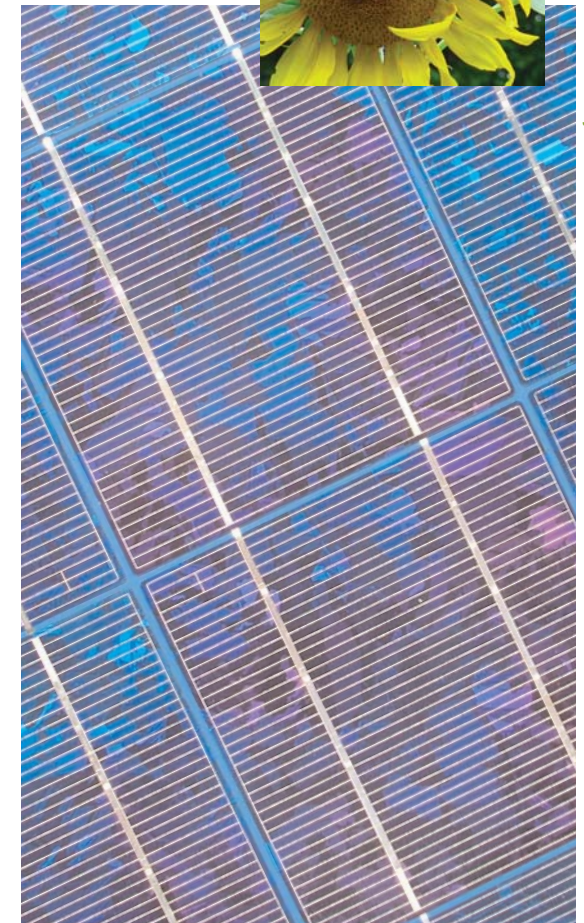


Photo courtesy of Parker Ranch