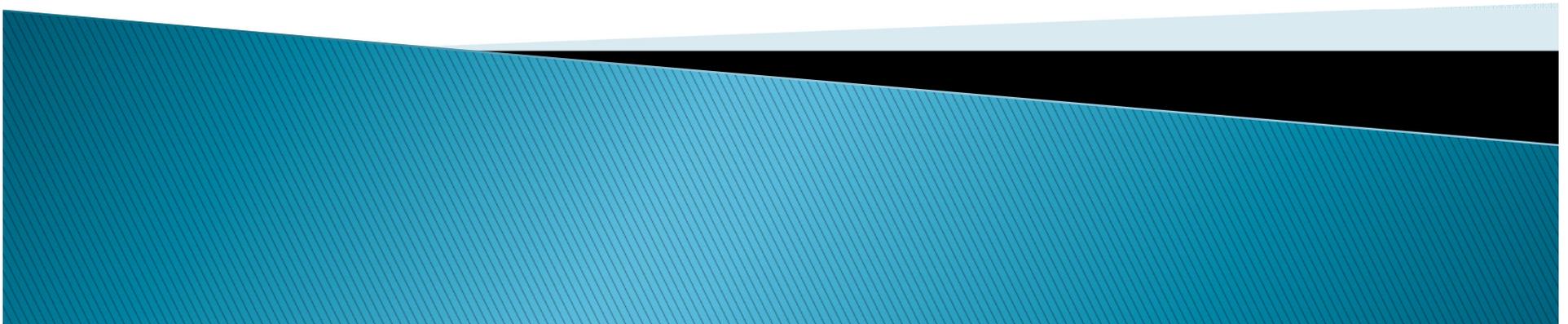


# City of Avondale Solar Demonstration Project

nominated for the Valley Forward Environmental  
Excellence Award in Environmental Education &  
Communication in the Public Sector



# Solar System outside Civic Center Library



# Educational Components in City Hall lobby



# Solar Demonstration Project

component locations at Civic Center Campus



# Next Steps informational brochure

## Is Solar Right For You?

**STEP 1:**  
**Assess your property**

Take a look at your roof. Does it get direct sun most of the day? Do significant portions of your roof face south? If so, you may be a prime candidate for solar energy!

**STEP 2:**  
**Get to know your bills**

Grab a few of your electric bills. If most of your energy use is during expensive On-Peak hours, solar could provide power during that time and save you money. If the majority of your use is Off-Peak you will get credit for the solar energy you produce during sunny On-Peak hours. A win either way!

**STEP 3:**  
**Learn about your financing options**

How will you pay for solar? You could always buy the system outright or get a loan. Or, you could enter a lease or power purchase agreement. In these arrangements a solar provider owns, installs, and maintains the panels on your property, and you pay a fee to lease the equipment or purchase the power it produces. These fees can be offset by the money you save on electricity, so you could realize the benefits of solar without having to own or maintain it!

**STEP 4:**  
**Get system quotes**

A qualified solar provider can give you a quote for system size, electric generation, predicted savings, and financing options. They should also give you details on maintenance and warranties. A good solar provider is key to a trouble-free system, so exploring your options with multiple companies is a smart idea. Check out the resources area for ways to connect with qualified providers.

For more information and resources to help you take the next step, visit us online at [www.avondale.org/livinggreen](http://www.avondale.org/livinggreen)

**Other Resources:**  
[www.residential solar101.org](http://www.residential solar101.org) | [www.azsmartpower.org](http://www.azsmartpower.org)  
[www.aps.com](http://www.aps.com) | [www.srpnet.com](http://www.srpnet.com) | [www.energy.gov](http://www.energy.gov)

*Avondale is growing a sustainable city for today and tomorrow, but we can't do it alone.*

*Thank you for doing your part!*

Department of Development & Engineering Services  
City of Avondale  
(623) 333-4200

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# Solar & Renewables City website

Search

Energy and Climate Home

 E-SERVICES

 I WANT TO...

## Solar and Renewables



Renewable energy is generated from sources that are extremely abundant (like the sun) or easy to replace (like fast-growing plants). Renewable sources are preferable to non-renewables because they will not run out and typically pollute much less. Fossil fuels, like coal, gas, and oil, are the most common non-renewable energy source. Not only are fossil fuel supplies limited, they also release greenhouse gasses that contribute to climate change.

The City of Avondale is working to integrate clean, abundant renewable energy wherever we can. We encourage you to do the same! Explore this page to find information about solar technologies, renewable energy, and how you can benefit from them!

### Is Solar Right For You?

Solar panels are popping up everywhere, but are they right for you? Explore these [simple steps](#) to find out. You can also check out the Solar Demonstration Project at City Hall and the Civic Center Library to learn more about solar and how it can help you, and the planet!

### **Residents and Businesses: Get solar information from utilities!**

Get the most up-to-date information and explore solar options with your utility provider.

[SRP Residential | SRP Businesses](#)

[APS Residential | APS Businesses](#)



**Learn more about solar at the Solar Demonstration Project** located at City Hall and the Civic Center Library!

[Click Here](#) to see our current system performance

### **Farms can go Green, too!**



If you have a farm or ranch, check out the [Arizona Department of Agriculture's On-Farm Energy Audit Program!](#) You may be able to increase efficiency or add renewables to your operation.

# Is Solar Right for You? City webpage

## Is Solar Right for You?



Going solar is a big decision, so we've put together a few steps to help get you started. Read on to find out if solar may be right for you!

### Step 1 – Assess your property

Take a look at your roof. Does it get direct sun most of the day (no trees or structures casting shadows)? Do significant portions of your roof face south? If so, you may be a prime candidate for solar energy!



### Step 2 – Get to know you bills

How and when you use energy will determine your potential solar savings. Grab a few of your past electric bills. If most of your use is during expensive On-Peak hours, solar could provide power during that time and save you money. If your use is primarily Off-Peak you won't save quite as much, but you will get credit for the solar energy you produce during sunny On-Peak hours.



### Step 3 – Learn about your financing options

You could always buy the system outright or get a loan. Or, you could enter a lease or power purchase agreement. In these arrangements a solar provider owns, installs, and maintains the panels on your property, and you pay a fee to lease the equipment or purchase the power it produces. And these fees can be offset by the money you save on electricity!



### Step 4 – Get system quotes

A qualified solar provider can give you a quote for system size, electric generation, predicted savings, and financing options, plus maintenance and warranties. A good solar provider is key to a trouble-free system, so explore your options with multiple companies.



## Resources:

### General Information

[Department of Energy solar planning](#)  
[Residential Solar 101](#)

### Utility Companies

[Arizona Public Service \(APS\)](#)  
[Salt River Project \(SRP\)](#)

### Helpful Organizations

[US DOE Energy Efficiency and Renewable Energy](#)  
[Arizona SmartPower](#)  
[One Block Off the Grid](#)

### Explore your solar potential further

[APS Approved Solar Installers](#)  
[Solar Home Challenge solar calculator](#)  
[APS solar calculator](#)

# System performance display

available on kiosk, lobby monitors, and website



**ACE**  
SOLAR SYSTEMS

**Civic Center Library**  
Avondale, AZ

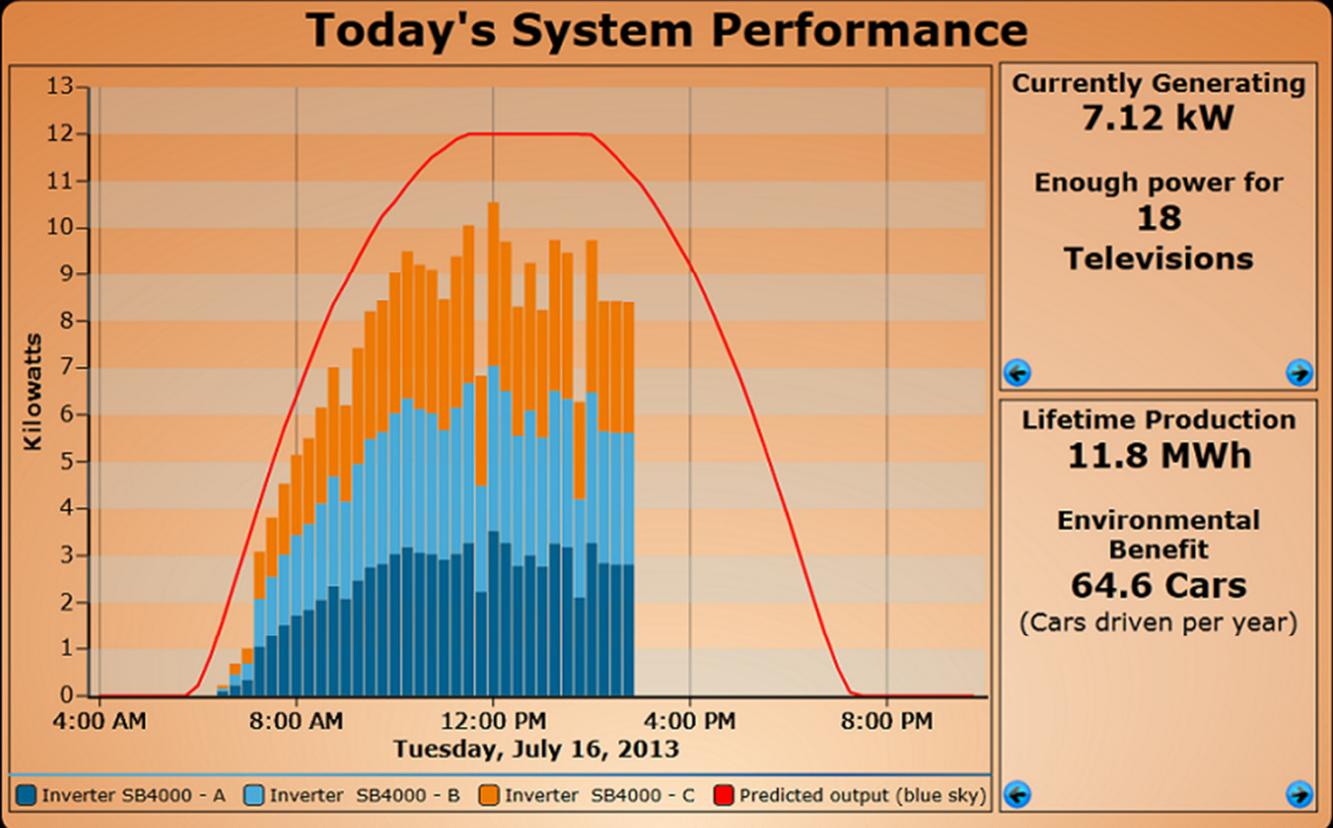
Power Output

**7.12 kW**

System size: 12 kW



This chart shows today's power production. The red line indicates the predicted output for this day of the year under ideal weather conditions.




**AlsoEnergy**

Settings



# Thank you for your consideration!

We would also like to thank the Avondale City Council, ACE Solar Systems, SRP, AlsoEnergy, and the U.S. DOE Energy Efficiency and Renewable Energy Department for helping make this project a reality.

