



Why Solar?



There are several compelling reasons why solar power should provide a significant portion of our electricity needs:

Solar energy is clean.

it produces no emissions. Electric generation in the U.S. is the largest single source of sulfur dioxide, nitrogen oxides, mercury, and carbon dioxide—causing serious health and environmental harm such as premature deaths, acid rain, contaminated food, and global warming. As Photovoltaic panels steadily and quietly produce clean electricity for your home or business, coal, oil, and nuclear power plants have to lower production to compensate.

Solar energy provides power when we need it and where we need it.

The blackout of 2003 illustrated the fragile state of our utility grid—increasing electricity demand overwhelms the outdated wires and transformers that bring power from generation plants. A PV system connects to the grid at the point of demand and produces the most power when demand is highest—in the sunny early afternoon hours. This means that solar power reduces the load on our overloaded transmission network right when it needs it most.

Solar energy is an abundant resource.

It works everywhere the sun shines—coast to coast. Each minute enough sunlight reaches the Earth's surface to meet the world's energy demand for an entire year.

Photovoltaic technology is proven, reliable, and has no moving parts.

Photovoltaic systems require no maintenance or fuel input, and the panels are predicted to last twice as long as their 25 year warranty.

A solar power system on your home or business demonstrates your commitment to clean, renewable energy.

Many of us act on our commitment to a better energy future in several ways—from using energy wisely through energy efficient appliances to buying “green electricity” from an electricity distributor. Solar power systems are visible examples of our commitment to renewable energy, and a way to inspire discussion and action among the broader community.