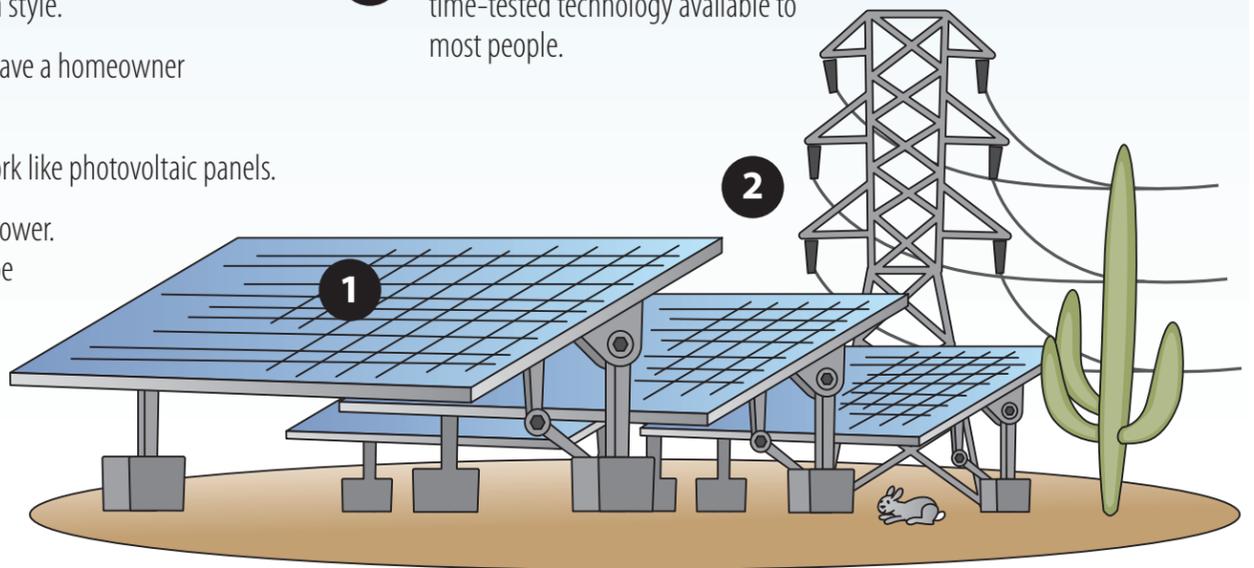




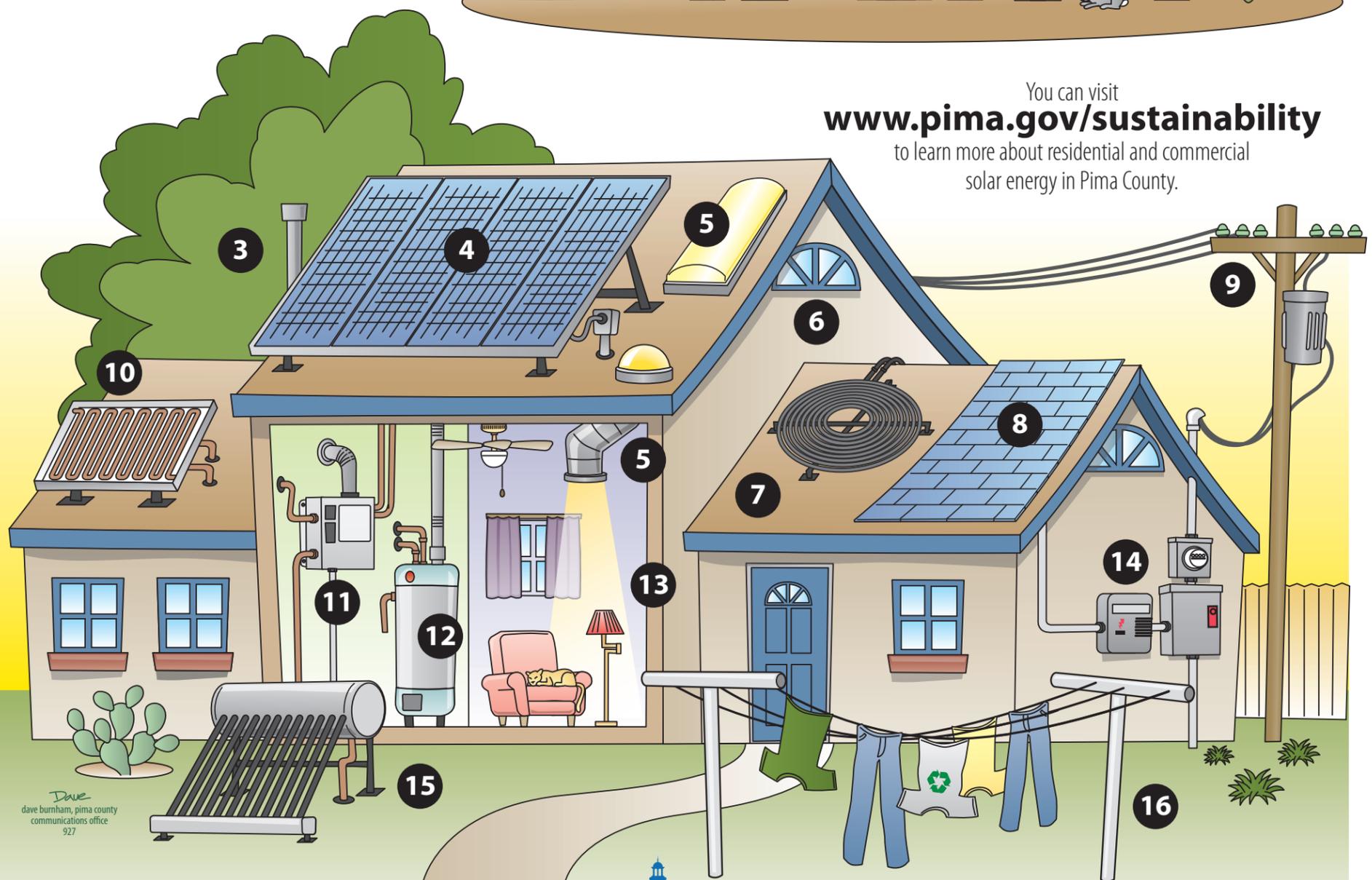
Pima County Solar House

With 350 days of sunshine a year, Pima County is poised to become a leader in solar technology development and adoption for residential and commercial purposes. Solar technologies can be a big economic driver in our region. The County is working to bring in large scale solar farms and increase residential utilization of solar energy.

- 1 Solar farms produce electricity without pollution and deliver the energy to the power grid. Solar farms such as the new Roger Road site help to power Pima County facilities, saving energy *and* money.
- 2 There are numerous Pima County properties available for solar generation that are situated close to the existing transmission grid.
- 3 Planting deciduous trees on the southside of your home provides shade in the summer and solar heat in the winter when they lose their leaves.
- 4 Photovoltaic panels generate electricity that can power your home or business.
- 5 Skylights and solar tubes bring natural light into your home without using electricity.
- 6 Clerestory windows bring natural light into your home without using electricity and can have a traditional or modern style.
- 7 Solar pool heaters are simple devices that can save a homeowner thousands of dollars every year.
- 8 Solar shingles look like regular shingles and work like photovoltaic panels.
- 9 Most solar homes also use traditional electric power. Excess electricity generated at your home can be sold back to power companies.
- 10 Solar water heaters are often the quickest return on investment for residences, because of their low cost.
- 11 Many solar homes use a tankless water heater, either electric or gas to supplement their solar water heater.
- 12 Solar water pre-heaters can supplement a traditional water heater. There are many possible combinations.
- 13 Thermal mass construction is an old technique of passive solar design. Thick walls and a thick foundation store solar heat during the day and radiate it during cooler hours.
- 14 Electricity generated by solar panels must be converted from DC to AC power with a residential DC inverter.
- 15 There are many different styles of solar water heaters. They can be mounted in your yard as well as on the roof.
- 16 Solar clothes drying is an inexpensive, time-tested technology available to most people.



You can visit www.pima.gov/sustainability to learn more about residential and commercial solar energy in Pima County.



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