



EarthWise Energy

Our effort to protect the environment for future generations.

Solar Electric Generation

As part of its EarthWise Energy® Program, SRP has installed a new 200-kilowatt (kW) photovoltaic (PV) system at our Agua Fria Generating Station in the West Valley. We're already producing solar electricity from two 100kW PV systems installed at our Santan Generating Station in the East Valley. Together, these three plants are expected to send close to one million kilowatts of power to the grid each year, or enough energy to power 72 homes.

SRP's PV systems use modules of semiconductor cells to capture solar photons and convert them into electricity. The modules are arranged into larger arrays that can be tilted in response to the sun's angle. This allows us to maximize the amount of power produced by each system, regardless of the time of day or particular season.

Our PV plants use the sun, a free and inexhaustible source of fuel to produce emission-free electricity.

Unfortunately, the current costs of installing photovoltaic equipment makes this form of renewable energy an expensive option for power generation. As a stronger market for this energy develops, we hope to see costs decline. In the meantime, SRP will continue to assess other solar technologies to find the most cost effective and environmentally beneficial source of clean energy.

EarthWise Energy promotes the development of a diverse mix of local renewable energy sources, including solar, and is part of SRP ECO, our effort to protect the environment for future generations. For more details about EarthWise Energy, visit our Web site at www.srpnet.com/prices/earthwise/ or call (602) 236-8888.

