

# TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

## SP028: CITY OF TEMPE HOUSEHOLD RECYCLING CENTER

APS installed a 2 kW fixed photovoltaic system on the City of Tempe Household Recycling Center (HPCC) in 1999. This was the first grid-tied roof top solar system installed by APS and took advantage of the sloping south facing canopy on the Recycling Center loading dock.

The HPCC collects and disposes household hazardous waste that could otherwise be affecting the environment.



1320 E. University Drive, Tempe

Plant Output:

2,400 Watt DC

2,000 Watts AC

Solar Module Manufacturer

ASE Americas

Solar Module Power

285 Watts DC

Quantity of Modules

8

Inverter Manufacturer

Omnion

Inverter Power Rating

2,000 Watts AC

Quantity of Inverters

1

Projected Annual Energy Generation

3,260 kWh AC

**Estimated Emissions avoided as a result of operating this solar power plant based on APS' 2003 fuel mix:**

**CO<sub>2</sub>** 4140 Lb/yr

**SO<sub>x</sub>** 4.56 Lb/yr

**NO<sub>x</sub>** 8.48 Lb/yr

**Particulates** 0.59 Lb/yr



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