



Solar Photovoltaic Case Study

El Pueblo Neighborhood Center

101 West Irvington Road

TECHNICAL SPECIFICATIONS:

- Installed May 2009.
- 97.65 kW DC; 78.12 kW AC.
- 465 Kyocera 210W KD210GX-LP polycrystalline PV panels.
- 1 Satcon PowerGate Plus 100 kW inverter.
- Greenhouse gas reduction -approximately 127 metric tons CO₂/year.



PROJECT DESCRIPTION:

- Solar America Cities project.
- Non-penetrating ballasted roof-mounted system utilizing Tucson built Schletter mounting system.
- Solar powered pigeon repellent system.
- Output of 149,545 kWh per year is approximately 20% of building load.
- SPG Solar, Inc. guarantees electrical output for 5 years and provides maintenance services for 10 years.
- Solar output viewable on Fat Spaniel's website at website at <http://tiny.cc/RUspf>.

FINANCIAL DETAILS:

- Project paid for with Clean Renewable Energy Bonds (CREBs).
- 13 year payback period at 0% interest.
- Bonds repaid through TEP rebates and electricity charges to building owner.
- Total cost including design and installation - \$765,804.



- For additional information go to: <http://www.tucsonaz.gov/energy/>