



# SOLAR CASE STUDY

Southeast Service Center/Ward IV



## TECHNICAL SPECIFICATIONS:

- Operational in July 1999
- 24 ASE-300 watt panels, generating 7.2 kW DC.
- Inverter: Omnion Series 2400 originally; Replaced by Sunny Boy.
- Annual energy production estimated at 11500 kWh.
- Annual cost savings approximately \$920.
- Greenhouse gas reductions 11 equivalent tons CO<sub>2</sub> annually.

## PROJECT DESCRIPTION:

- On roof of ward offices on east side of Tucson.
- Combined with daylighting and other features to comply with City Sustainable Energy Standards.
- Roof reinforced for panel installation.

## FINANCIAL DETAILS:

- Total costs \$47,841.

