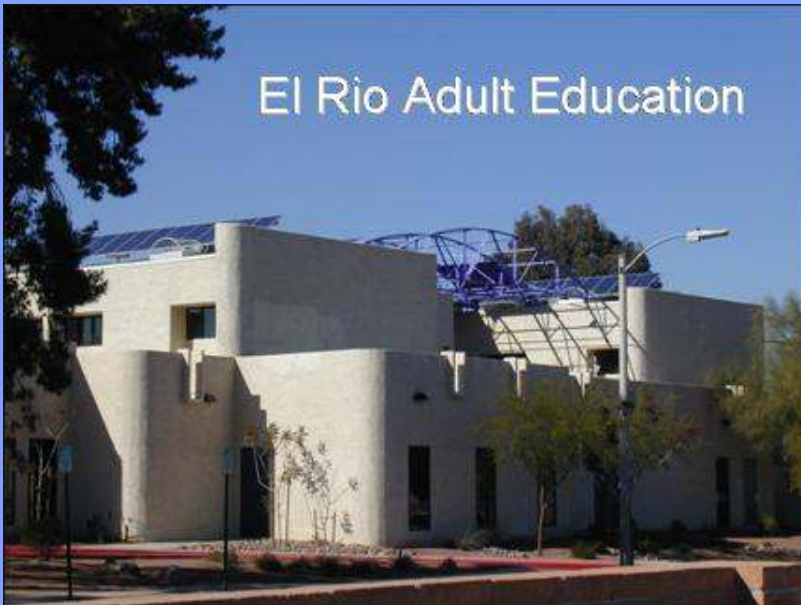




SOLAR CASE STUDY

El Rio Adult Education Center



PROJECT DESCRIPTION

- Multipurpose community center building located on Tucson's west side.
- Combines daylighting with solar electricity generation.
- Additional roof space available for expansion.

FINANCIAL DETAILS

- Total costs-\$63,400

TECHNICAL SPECIFICATIONS

- Operational December 2001
- 48 BP 3160S solar panels generating 7.7 kW DC, 6.1 kW AC.
- Xantrex PV-10208 inverter.
- Estimated annual energy production-12260 kWh.
- Annual cost savings approximately \$980.
- Greenhouse gas reductions approximately 11.8 equivalent tons CO₂ annually.

