



SOLAR CASE STUDY

Zoo School (Brown Conservation Learning Center)



PROJECT DESCRIPTION

- LEED Platinum learning facility at Reid Park Zoo in central Tucson
- Combines daylighting, green building materials and water harvesting with solar electricity generation and solar hot water

FINANCIAL DETAILS

- Total costs-\$21,700.
- TEP donated panels, inverters, meter and some mounting equipment, approximate value \$75,000.

TECHNICAL SPECIFICATIONS

- Operational February 2008 solar panels generating 7.7 kW DC, 6.1 kW AC.
- Sunny Boy 6000 inverters
- Custom DC shut offs to be child-proof
- Estimated annual energy production-12260 kWh
- Annual cost savings approximately \$980.00
- Greenhouse gas reductions approximately 11.8 equivalent tons CO₂ annually

