



SOLAR CASE STUDY

Hayden/Udall Tucson Water Site, Phases I-II.



PROJECT DESCRIPTION

- Ground-mounted panels on desert land west of Tucson Mountains at reservoir site.
- Possible expansion on nearby ground or other structures.
- TEP provided inverters and is responsible for maintenance.
- TEP has weather station on site for data gathering.

FINANCIAL DETAILS

- Total costs to date \$366,550.
- DOE Grant paid \$75,000.

TECHNICAL SPECIFICATIONS

- Phases I and II completed in 2002.
- Additional phases planned
- Each phase-72-300 watt ASE panels.
- Total power capacity: 43.2 kW DC.
- Inverters: Xantrex 20208.
- Annual energy production estimated at 68775 kWh.
- Annual cost savings approximately \$5500.
- Greenhouse gas reductions 66 equivalent tons CO₂ annually.

