



Solar Photovoltaic Case Study

Hayden-Udall Cap Plant Phases I-II 4401 South Tucson Estates Pkwy

TECHNICAL SPECIFICATIONS:

- Phases I and II completed in 2002.
- 43.2 kW DC; 34.56 kW AC.
- Each phase-72-300 watt ASE panels.
- 2 Fronius Model 11.4-3 10 kW and 1 Xantrex 20208 inverters.
- Greenhouse gas reductions 66 equivalent tons CO₂ annually.



PROJECT DESCRIPTION:

- Ground-mounted panels on desert land west of Tucson Mountains at reservoir site.
- Expansion on nearby land or other structures are in consideration.
- Annual energy production estimated at 68775 kWh.
- Annual cost savings approximately \$5500.
- Tucson Electric Power provided inverters and is responsible for future maintenance of system.

FINANCIAL DETAILS:

- Total costs to date for phases I-II \$366,550.
- Department of Energy sponsored grant paid \$75,000 of total amount.



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