



# SOLAR CASE STUDY

## Sun Tran Solar Bus Shelters



### PROJECT DESCRIPTION

- Shelter provides shade and some light for bus patrons
- Purple saguaro cactus design is Tucson specific
- Advertising on translucent sides of battery enclosure

### FINANCIAL DETAILS

- Some City funds used as seed money
- Shelters now operate at no expense to City.
- Advertising revenue to private contractor ATA covers all costs
- Older non-solar shelters being replaced with solar shelters

### TECHNICAL SPECIFICATIONS

- 224 peak roof style shelters with SEPCO components located throughout city
- Each shelter has two PV panels and one 12-volt battery
- No inverters since lights are DC
- 35 new style rounded shelters with thin film laminate PV now in place
- New shelters planned
- New style is vandalism proof and generates higher voltage
- Additional reading and security lighting planned

