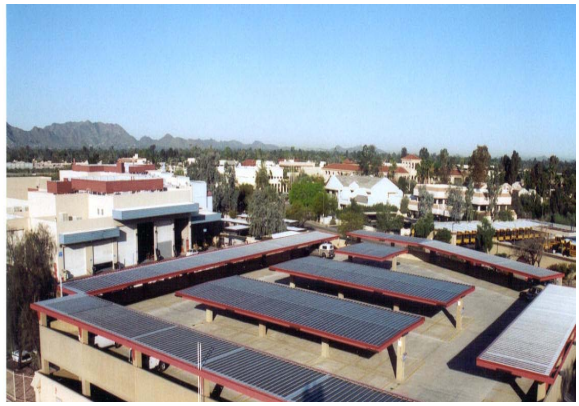
# TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

## SP006: Scottsdale Covered Parking Solar Power Plant



This APS installation demonstrates the multiple benefits than can be realized by the strategic use of photovoltaic panels. Not only does this plant produce up to 93 kW of electrical power, but it also provides shading for parked vehicles and uses no additional land as it is constructed on top of the covered parking structure.

Location: 9191 E. San Salvador Dr., Scottsdale, Arizona

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|---|---|
| Plant Output: | 93,300 Watts DC |
| | 79,300 Watts AC |
| Quantity of Modules: | 750 (Triple Junction Thin Film Silicon) |
| Manufacturer: | Bekaert ECD Solar Systems (Uni-Solar) |
| Inverter Manufacturer: | Ominion |
| Quantity of Inverters: | 8 |
| Inverter Manufacturer: | Trace/Xantrex |
| Quantity of Inverters: | 2 |
| Inverter Rating: | Omnion 8,000 Watts |
| Inverter Rating: | Trace/Xantrex 25,000 Watts |
| Type of Tracking: | Fixed |
| Projected Annual Energy Generation: | 99,125 kWh AC |

**Estimated emissions avoided as a result of operating this solar power plant based on APS' 2003 fuel mix:**

| | |
|---|---|
| **CO2** | **125,889 Lb/yr** |
| **SOx** | **139 Lb/yr** |
| **NOx** | **258 Lb/yr** |
| **Particulates** | **18 Lb/yr** |

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