

# TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

## SP011: ADEQ Building Parking Canopy Solar Power Plant



Constructed in 2002, the ADEQ Building Parking Structure is the largest covered parking solar system that APS has built. This system consists of 900 fixed solar panels on the sixth floor of the parking garage. In addition to generating electrical power, the building integrated photovoltaic array provides shade from the sunny Arizona climate.

Location: 1100 West Washington, Phoenix, Arizona

Plant Output:	126,000 Watts DC 107,000 Watts AC
Solar Module Manufacturer:	BP Solar - BP2140
Solar Module Power:	140 Watts DC
Quantity of Solar Modules:	900
Inverter Manufacturer:	Xantrex
Inverter Power Rating, AC :	100 kW
Quantity of Inverters:	1
Type of Tracking:	Fixed
Projected Annual Energy Generation:	160,500 kWh AC

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

CO2	203,835 lb/yr
SOx	225 lb/yr
NOx	417 lb/yr
Particulates	28.89 lb/yr



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