

TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

SP005: Flagstaff Solar Power Plant

This first commercial solar generating plant in Arizona was installed by APS in 1997. It consists of 6 rows of horizontally mounted photovoltaic (PV) modules that track the sun from East to West each day. This simple tracking system allows the PV modules to generate approximately 25% more energy over the course of a year than if they remained fixed in a Southerly pointing direction.



Location: 2250 E. Huntington Dr., Flagstaff, Arizona

Plant Output:	95,000 Watts DC
	82,000 Watts AC
Quantity of Modules:	1260
Manufacturer:	Siemens
Inverter Manufacturer:	Satcon
Quantity of Inverters:	1
Inverter Rating:	100,000 Watts AC
Type of Tracking:	Single Axis
Projected Annual Energy Generation:	192,700 kWh AC

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

CO ₂	244,729 Lb/yr
SO _x	270 Lb/yr
NO _x	501 Lb/yr
Particulates	35 Lb/yr



For more information contact Janet Crow at 602-250-4990 or janet.crow@aps.com

