

TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

SP008: Gilbert Solar Power Plant

Dedicated in 2001, the APS Gilbert plant was APS' fourth commercial solar power plant in Arizona. It is located adjacent to the Gilbert Riparian Center and demonstrates how well a solar power plant can "blend in" with the environment. As in most of APS' solar power plants, the Gilbert plant uses single axis tracking technology to maximize the energy output from the solar panels.



Located at the Gilbert Nature Center, 287 N. Cooper Rd., Gilbert, Arizona

Plant Output:	144,000 Watts DC 122,400 Watts AC
Quantity of Modules:	480
Tracking:	Single Axis
Manufacturer:	ASE Americas
Inverter Manufacturer:	Xantrex
Inverter Rating:	125,000 Watts AC
Quantity of Inverters:	1

Projected Annual Energy Generation: 287,640 kWh AC

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

CO2	385,303 Lb/yr
SOx	403 Lb/yr
NOx	748 Lb/yr
Particulates	52 Lb/yr



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

