1 Megawatt Carport Photovoltaic System

SunEdison / San Diego County

Project Highlights

- May 2009 Board of supervisors approve power purchase agreement (PPA) with SunEdison.
- 1 MW PV system mounted on new carports in George Bailey Detention Facility's parking lot
- System includes 3,876 panels on 9 photovoltaic arrays covering 84,235 square feet, which provide shade for 449 parking spaces
- Electricity production: 1, 629,761 kWh annually (estimated), which supplies approximately 12% of the facility's annual electricity consumption
- SunEdison will construct, own, and operate the PV system at no cost to the County of San Diego. The County will purchase and use the energy produced for 20 years.
- Over 20 years the system will provide the county with $1.34 million in utility cost savings
- Estimated offset of approximately 1,184 metric tons of greenhouse gases annually
- Produces enough energy over 20 years to power more than 2,700 average US homes for 1 year
- System is estimated to be operational in November 2011