



## **FACT SHEET:**

### ***Solar Panels on the Reuben H. Fleet Science Center***

On April 23, 2007, San Diego Gas & Electric (SDG&E) and the Reuben H. Fleet Science Center unveiled a **10,000 sq. ft. solar panel system** on the roof of the Science Center that generates up to 100 kW clean electricity for San Diego's power grid.

- **Solar panels** – Kyocera KC175GT, nominal 175 watts output each  
(<http://www.kyocerasolar.com/>)
- 684 photovoltaic (PV) panels, each measuring 50.8 X 39 inches and weighing 35.3 lbs.
- The panels are organized into 5 sub arrays and 38 parallel strings, with 18 panels in each string
- **System rating:** 105.951 kWdc - 100.124 kWAC CEC
- Total weight of racking and panels: **38,509 lbs**
- **SunLink™ Racking system** – panels are set at a 10 degree tilt to the south  
(<http://www.sunlinkllc.com/jadworks/sunlink/jwsuite.nsf/sitewelcome/Home>)
- **Inverter** – SatCom PowerGate model AE-100-60-PV  
(<http://www.satcon.com/applications/solarpv.html>)
- Web-based monitoring system - **Fat Spaniel**  
(<http://www.fatspaniel.com/>)