

# Los Angeles Convention Center

## Solar Arrays: ~400kw



LACC South Hall 150 kW Solar Canopy

LADWP constructed in 1999, 2000, and 2001, a total of about 400kw of solar power generating capacity at the LA Convention Center. The solar photovoltaic (PV) system is installed in two main phases, the **South Hall** (Phase 1), and **Cherry Street** (Phase 2).

**Phase 1** consists of a 144kw system mounted on the **South Hall Canopy**. The installation at this location was fast tracked beginning November 1999, and construction was completed in June 2000. The system officially began delivering solar electric power in July 2000.

**Phase 2** consists of a 248kw system integrated with a car shade on the roof of the **Cherry Street Parking Garage**. Construction began in November 2000, and was completed October 2001. The system entered final testing and in February 2002, began delivering power.

The entire 392kw LA Convention Center system produces about 800,000kWh of electricity per year, or enough electricity to power over 100 homes.

## Los Angeles Convention Center

### South Hall Canopy

**Mounting:** Steel structure on architectural canopy over truck loading dock area

**Modules:** 1,920 Total AstroPower 65W Black and 75W Blue

**Power:** 144,000 W (STC)

**Inverter:** Trace

#### Milestones:

**Project Start** November 1999

**Construction Start** February 2000

**Project Phase 1 Completed**, In-Service July 2000

### Cherry Street

**Mounting:** Pedestal mounted in pairs, on open steel carport-like structure above roof parking deck of 3-level concrete parking structure

**Modules:** 3,312 Total AstroPower 75W Blue

**Power:** 248,400 W (STC)

**Inverter:** Trace

#### Milestones:

**Project Start** November 1999

**Construction Start** November 2000

**Project Phase 2 Completed** October 2001

**In-Service, Phase 2**, February 2002

**Total Los Angeles Convention Center Project**

**Modules:** 5,232 Total AstroPower

**Power:** 392,400 W (STC)

The power load of the Convention Center varies from 4MW to 8MW. This project is estimated to provide up to 10% of the Convention Center's load.