

CASE STUDY

BEVERLY HILLS CIVIC CENTER

MUNICIPAL COMPLEX



PV System Size	446.88 kW DC
PV Equipment	1,596 Suntech 280
Est. First Year Production	639,717 kWh
Est. CO ² Avoided	995,062 lbs/year
Total Savings	\$126,690.00

THE PROJECT STORY – A DIFFICULT PROPOSAL

The departing mayor wanted to make a big impact on the City of Beverly Hills' carbon footprint, so he proposed as much solar power as he could fit on a total of six buildings. There was however a great deal of challenge and waste in this proposal including six different interconnections and a failure to meet local utility Southern California Edison's requirements to achieve the renewable energy rate structure. Sun Light & Power responded to this highly complex RFP and elected to redesign the system proposed by the city.

"The Spanish revival civic center complex now takes a major leap into the 21st century with clean energy technology powering 15% of the building's needs. Estimates suggest the City will save hundreds of thousands of dollars each year." - Sunstarter

THE SUN LIGHT & POWER SOLUTION

The SLP design was a far more efficient choice, utilizing the rooftops of three different buildings instead of six and powering a single large use meter on the library rather than six different meters. This allowed the city to take advantage of the utility's renewable energy specific rates, build at a lower cost, and save much more money over time. SLP ultimately provided a blended solution that featured both a ballasted system on a large reflective roof and a parking structure mounted system atop the Beverly Hills Civic Center parking garage. SLP worked closely with City National Bank to create a viable lease program that resulted in neutral to positive cashflow for the city's energy.



1035 Folger Ave., Berkeley, CA 94710
(510) 845-2997 or (800) 233-4SUN
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Minute by minute monitoring of system performance is available to the public from the city's website.

ENVIRONMENTAL BENEFITS

Every year this system removes the equivalent of 94 cars from the road, or prevents 50,600 gallons of gasoline from being burned. It would require 370 acres of forest to sequester this much CO2 annually.

FINANCIAL BENEFITS

The Beverly Hills Civic Center solar PV arrays will provide clean energy for the complex and are expected to save over \$2.6 million dollars over the lifetime of the system. This project also received \$283,780 from Southern California Edison via the statewide California Solar Initiative program.

SITE PROFILE

Dedicated in 1990, the Beverly Hills Civic Center playfully and dramatically expands on City Hall's Spanish Renaissance architecture. Curved colonnades frame the approaches to the renovated and expanded City Hall, library, and police and fire departments, creating a public space that is both mysterious and welcoming.

Lush gardens of palm trees, numerous balconies and stairways create a unique sense of place. The colorful tile flourishes echo City Hall's tiled dome. A series of elliptical courtyards connect the city's buildings across Rexford Drive "like beads on a string" as the architect described it.

SUN LIGHT & POWER PROFILE

Passionate people tend to get very good at what they do. With 36 years of experience as a leader and pioneer in the solar industry, Sun Light & Power provides the highest possible design, engineering, and installation expertise for solar electric and thermal energy needs and places high value on lasting customer relationships.



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