

BOMBARD

RENEWABLE ENERGY



UNLV Greenspun College of Urban Affairs

INDUSTRY: Education
DESCRIPTION: Courtyard Shade Structure PV System
OWNER: University of Nevada, Las Vegas
LOCATION: Las Vegas, Nevada
PROJECT SIZE: 160 kW (system size)
ROLE: Design Build Contractor

The 160 kW PV array is the College of Urban Affairs signature design feature. This system uses Sharp 167 watt solar modules that are mounted on a custom solar support structure that provides shade for the building while producing over 15% of the building's energy consumption. The project was performed for the Nevada State Public Works Board. The PV system earned LEED points for On-Site Renewable Energy, helping it become the first LEED certified building at UNLV. The construction was completed in February 2008.



ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED:	276,621
BARRELS OF OIL OFFSET, LIFETIME:	11,251
EQUIVALENT MATURE TREES PLANTED:	18,795
SMOG EMISSIONS REDUCTION, LBS:	19,946
ACID RAIN EMISSIONS REDUCTION, LBS:	41,489
GALLONS OF WATER:	5,433,871
GREEN HOUSE REDUCTION, LBS:	7,855,460
CAR MILES NOT DRIVEN, LIFETIME:	9,820,699



BOMBARDRE.COM