

UNIVERSITY OF NEVADA LAS VEGAS **UNLV**

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photovoltaic solar system

LAS VEGAS, NV

Bombard Renewable Energy has installed solar array systems at the University of Las Vegas and the off site Shadow Lane Campus. A combined total of over 500 kW will be installed, including the current contract for an additional ten buildings for UNLV:

- Frank and Estella Beam Hall (BEH)
- Carol C. Harter Classroom Building Complex (CBC)
- Dayton Residence Complex (DAY)
- Greenspun Hall (GUA)
- Artemus W. Ham Concert Hall (HCH)
- James E. Rogers Center for Administrative Justice (RAJ)
- Science and Engineering Building (SEB)
- Student Union (SU)
- Shadow Lane Campus
- Biotech Research Building
- Dental School
- Advanced Dental School
- John S. Wright Hall



ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED	4,495,091
BARRELS OF OIL OFFSET, LIFETIME	180,137
EQUIVALENT MATURE TREES PLANTED	300,910
SMOG EMISSIONS REDUCTION, LBS	319,333
ACID RAIN EMISSIONS REDUCTION, LBS	664,254
GALLONS OF WATER	86,997,822
GREEN HOUSE REDUCTION, LBS	125,768,149
CAR MILES NOT DRIVEN, LIFETIME	157,232,201

PROJECT DATA

CLIENT	University of Nevada, Las Vegas
INDUSTRY	School
SIZE	500 kW
CONSTRUCTION VALUE	\$4.5M
COMPLETION DATE	2014



GREENSPUN COLLEGE OF URBAN AFFAIRS

solar photovoltaic system



LAS VEGAS, NV

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	9,821,699

PROJECT DATA

CLIENT	University of Nevada, Las Vegas
INDUSTRY	Education
SIZE	160 kW
CONSTRUCTION VALUE	\$1.3M
COMPLETION DATE	2008
DESCRIPTION	Design Build Contractor

