

# CITY OF LAS VEGAS – NEW CITY HALL

## rooftop and solar tree installations

LAS VEGAS, NV



This facility is seeking LEED Gold Certification. The building is a modern structure which utilizes both sustainable design and construction practices through passive design, optimize energy, 35% above ASHRAE standards, day lighting, indoor air quality and water efficiency. This project provides 169 kW DC solar photovoltaic system producing 6% of energy demand. The new City Hall will reduce the city's carbon footprint by 2,348 metric tons and reduce energy costs by more than \$500,000 annually compared to the current City Hall.



### ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED	292,181
BARRELS OF OIL OFFSET, LIFETIME	11,709
EQUIVALENT MATURE TREES PLANTED	19,559
SMOG EMISSIONS REDUCTION, LBS	20,757
ACID RAIN EMISSIONS REDUCTION, LBS	43,177
GALLONS OF WATER	5,654,858
GREEN HOUSE REDUCTION, LBS	8,174,930
CAR MILES NOT DRIVEN, LIFETIME	10,220,093

### PROJECT DATA

CLIENT	City of Las Vegas
INDUSTRY	Public Building
SIZE	169 kW
CONSTRUCTION VALUE	\$100M
COMPLETION DATE	2012

