

LAS VEGAS METRO POLICE DEPARTMENT

Gass Peak Location

off-grid photovoltaic power system installation



LAS VEGAS, NEVADA

Bombard Electric installed this off-grid solar PV power systems with battery backup for emergency response communication towers. This system design consists of 72 Sanyo 200 watt solar modules and 120 CPV 2500 batteries with a total of 300,000 Ah. The solar modules are installed on a ground mounted racking system attached to concrete piers.



ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED	24,896
BARRELS OF OIL OFFSET, LIFETIME	4,220
EQUIVALENT MATURE TREES PLANTED	7,050
SMOG EMISSIONS REDUCTION, LBS	7,481
ACID RAIN EMISSIONS REDUCTION, LBS	15,562
GALLONS OF WATER	2,038,193
GREEN HOUSE REDUCTION, LBS	2,946,507
CAR MILES NOT DRIVEN, LIFETIME	3,683,650

PROJECT DATA

CLIENT	Las Vegas Metro Police Department
INDUSTRY	Law Enforcement
SIZE	14 kW
CONSTRUCTION VALUE	undisclosed
ROLE	Design Build Contractor
COMPLETION DATE	2008

