

# **BOMBARD**

## **RENEWABLE ENERGY**



## *Water Pollution Control Facility*

INDUSTRY: Power Plant  
DESCRIPTION: Ground Mounted PV System  
OWNER: City of Las Vegas  
LOCATION: Las Vegas, Nevada  
PROJECT SIZE: 3.5 MW  
ROLE: Electrical & PV Contractor



## ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED:	7,180,966
BARRELS OF OIL OFFSET, LIFETIME:	438,152
EQUIVALENT MATURE TREES PLANTED:	731,913
SMOG EMISSIONS REDUCTION, LBS:	776,724
ACID RAIN EMISSIONS REDUCTION, LBS:	1,615,686
GALLONS OF WATER:	211,607,589
GREEN HOUSE REDUCTION, LBS:	305,909,896
CAR MILES NOT DRIVEN, LIFETIME:	382,440,916

Bombard teamed with Martin Harris Construction, JBA Electrical Engineers, and JMA Architecture Studios to engineer, procure, and construct a 3.5 Megawatt solar PV power plant at the City of Las Vegas Water Pollution Control Facility. The solar power system is located on 18 plus acres of land owned by the City of Las Vegas.

This 3.5 Megawatt system uses 15,162 Trina 230 watt PV modules and zero degree single-axis trackers, along with SMA Sunny Central 500HE inverters.

Other site improvements included fencing and access gates, a new trail along the wash separating the project site from the WPCF, a perimeter road system, site grading, and provisions for communication with the existing plant supervisory control and data acquisition (SCADA) system.