

Southern Nevada Recycling Complex

Solar Photovoltaic System

North Las Vegas NV



Republic Services' new recycling complex in North Las Vegas utilizes solar photovoltaic panels to help generate electricity. Bombard Renewable Energy provided the roof-mounted 559 kW DC system using 1,776 solar modules. The project is installed on an 110,000-square-foot building adjacent to its existing 88,000-square-foot facility. The solar panel system is expected to produce more than 900 MW hours per year, enough to power the equivalent of approximately 60 homes in Southern Nevada.



ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED	932,269.71 kWhrs
BARRELS OF OIL OFFSET, LIFETIME	43,451
EQUIVALENT MATURE TREES PLANTED	72,584
SMOG EMISSIONS REDUCTION, LBS	77,027
ACID RAIN EMISSIONS REDUCTION, LBS	160,227
GALLONS OF WATER SAVED	20,985,172
GREEN HOUSE REDUCTION, LBS	30,337,154
CAR MILES NOT DRIVEN, LIFETIME	37,926,752

PROJECT DATA

CLIENT	Republic Services
INDUSTRY	Recycling
SYSTEM SIZE	559.44 kWDC / 499.07 KWAC
CONTRACTOR ROLE	Design Build Contractor
COMPLETION DATE	2015

