

# LAS VEGAS VALLEY WATER DISTRICT photovoltaic system installation at 6 sites

LAS VEGAS, NV



Bombard Renewable Energy installed solar PV systems at six LVVWD reservoirs located around the greater Las Vegas area, including:

- Ronzone Reservoir - 821 kW
- Luce Reservoir - 555 kW
- Spring Mountain Reservoir - 537 kW
- Springs Preserve - 409 kW
- Fort Apache Reservoir - 353 kW
- Grand Canyon Reservoir - 330 kW

Five of the six systems utilize ground mounted zero degree single-axis tracking systems while one system, the Springs Preserve, uses a custom steel solar parking canopy where some of the modules track the sun throughout the day. The energy generated by the solar arrays from each facility supports onsite operations, including pumping operations and water-treatment processes.

Ronzone Reservoir



Luce Reservoir



Spring Mountain Reservoir



Springs Preserve



Fort Apache Reservoir



Grand Canyon Reservoir



## 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	Las Vegas Valley Water District
INDUSTRY	Water Utility
SIZE	3 MW
CONSTRUCTION VALUE	\$4.5M
ROLE	PV & Electrical Contractor
COMPLETION DATE	2007

