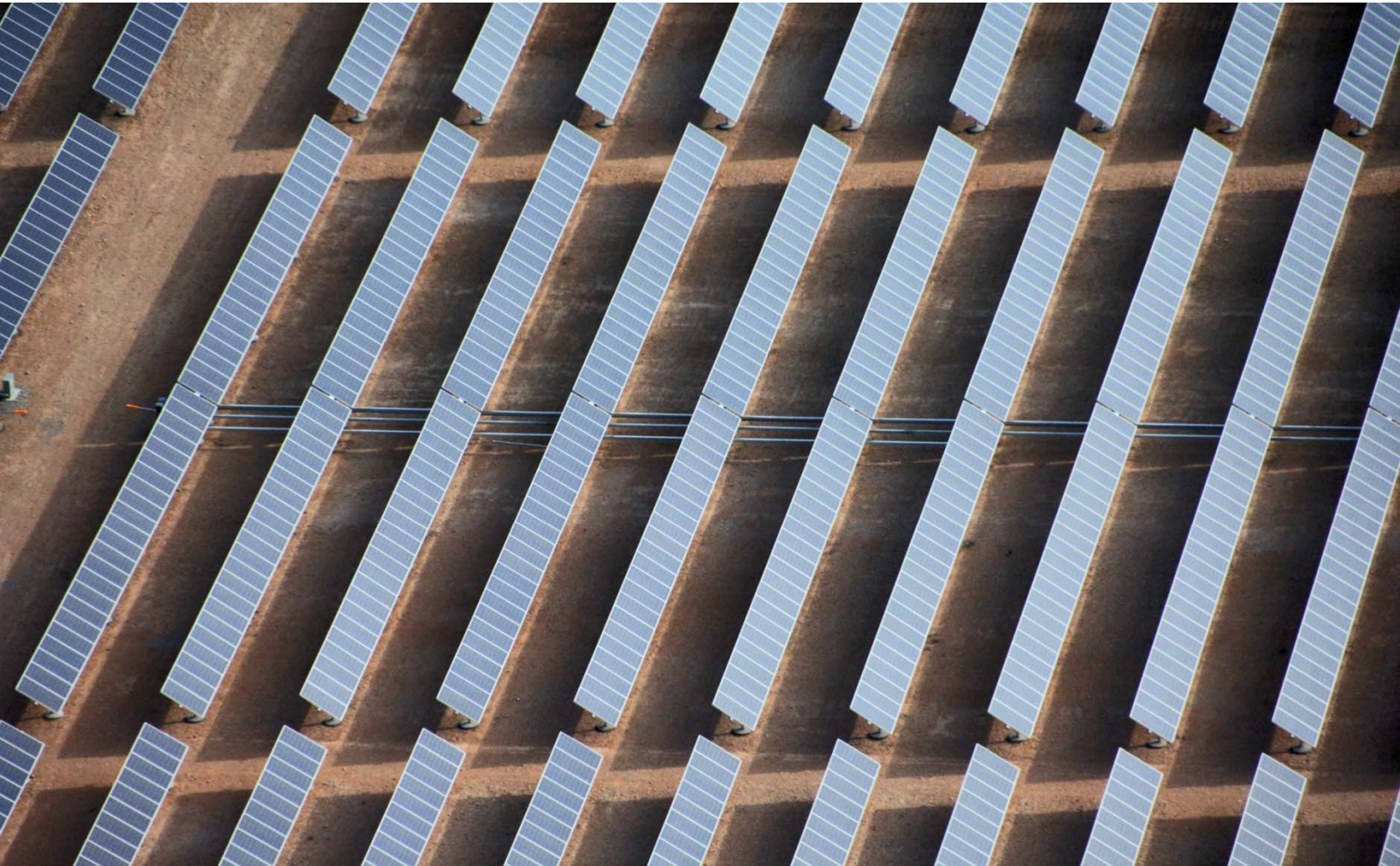


# **BOMBARD**

## **RENEWABLE ENERGY**



## *Las Vegas Valley Water District*

INDUSTRY:	Water Utility
DESCRIPTION:	Ground Mounted PV Systems
DEVELOPER:	SunPower Corporation
LOCATION:	Las Vegas, Nevada
PROJECT SIZE:	3 MW (total size of all systems)
ROLE:	PV & Electrical Contractor





## 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

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.