

THE SHADE TREE rooftop solar photovoltaic installation

NORTH LAS VEGAS, NV



The first project by Green Chips was at The Shade Tree Women, Children, and Animal shelter. The 3 kW system was donated to the Shade Tree by Bombard Renewable Energy in 2009. The PV system consists of 14 Sharp 208 watt solar modules and one SMA 4000 watt grid interactive inverter. The solar panels were installed directly on to the standing seam metal roof of The Shade Tree's animal shelter using a mechanically attached racking system.



ENVIRONMENTAL BENEFITS

ANNUAL KWH OF ENERGY PRODUCED	5,031
BARRELS OF OIL OFFSET, LIFETIME	202
EQUIVALENT MATURE TREES PLANTED	337
SMOG EMISSIONS REDUCTION, LBS	357
ACID RAIN EMISSIONS REDUCTION, LBS	743
GALLONS OF WATER	97,371
GREEN HOUSE REDUCTION, LBS	140,764
CAR MILES NOT DRIVEN, LIFETIME	175,979

PROJECT DATA

CLIENT	The Shade Tree
INDUSTRY	Public Entity
SIZE	3 kW
CONSTRUCTION VALUE	undisclosed
ROLE	Design Build Contractor
COMPLETION DATE	2011

