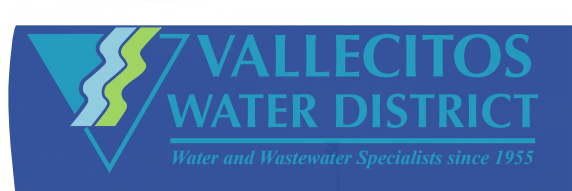
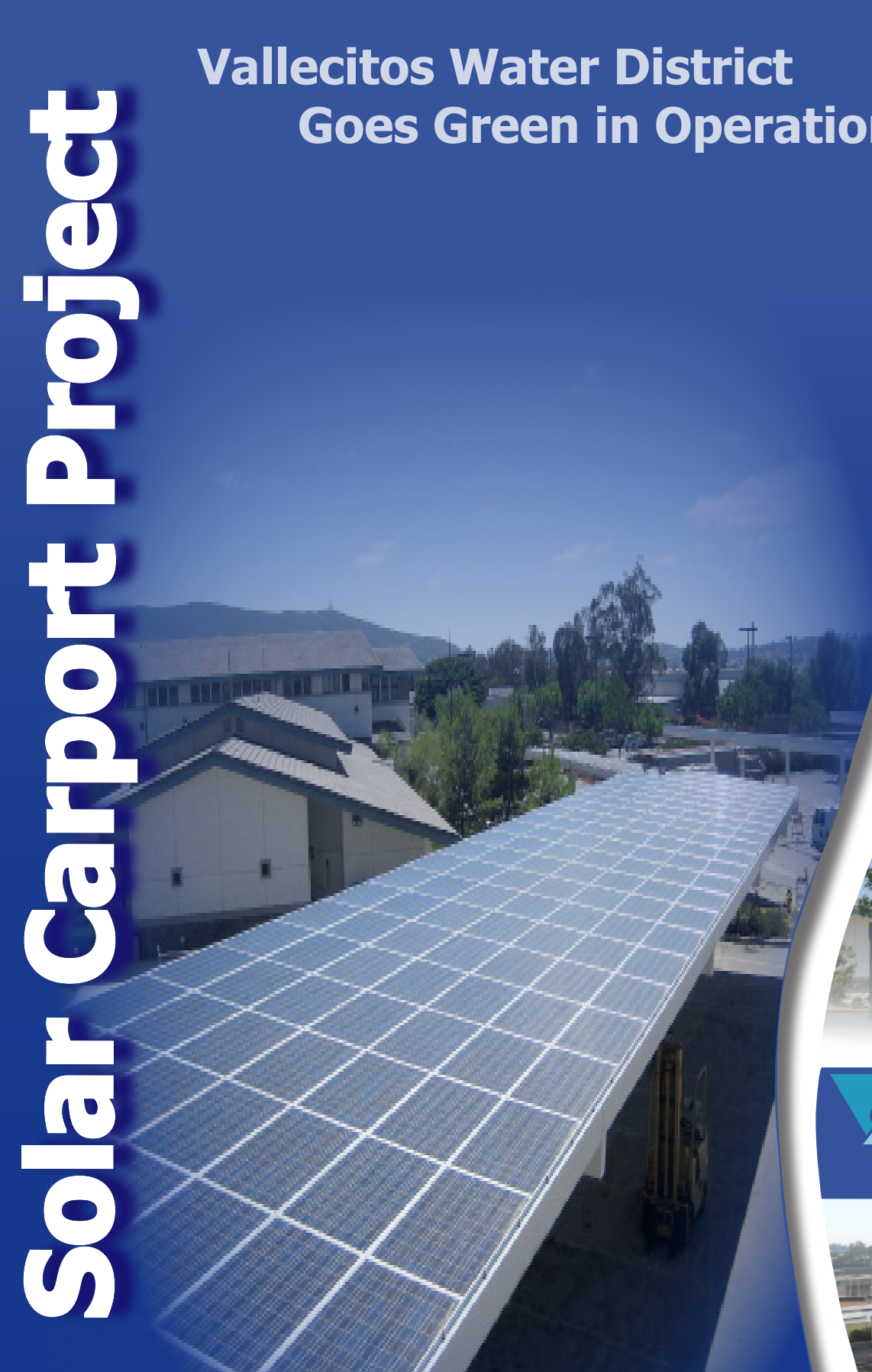


Solar Carport Project

Vallecitos Water District Goes Green in Operations

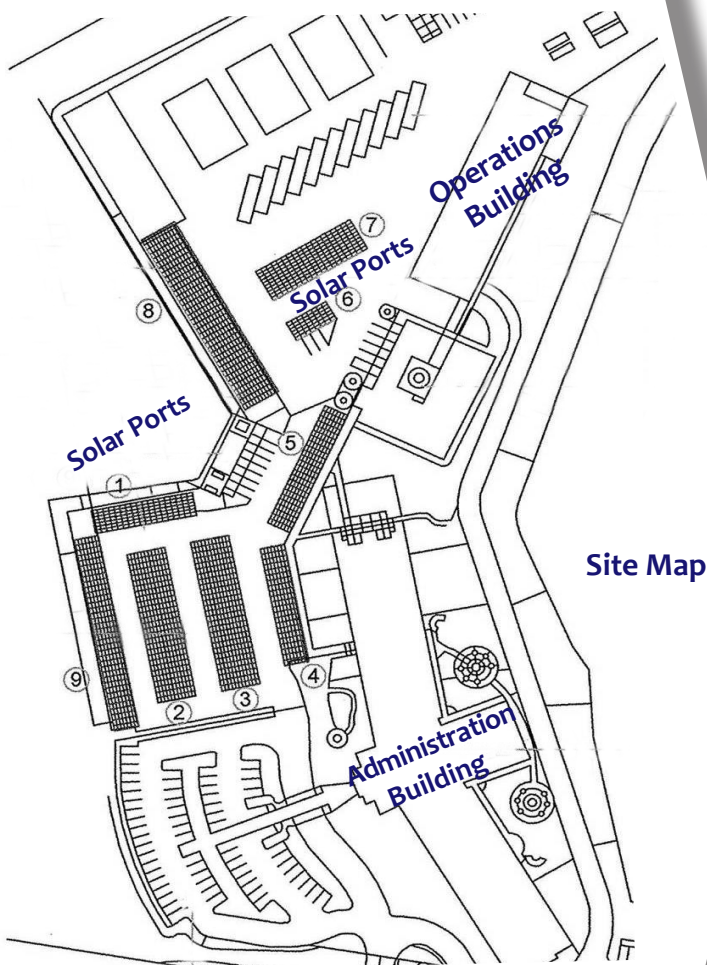


**Using Solar Panel and
Energy Conservation Programs**

SOLAR CARPORT PROJECT

Facts About the Project:

- Constructed in 2006 to supply energy to the headquarter's facilities.
- The system supplies an average of 90% of the electricity used on site each year. (340.9 kW AC PV)
- System can power 170 residential homes.
- Solar panels have a 25-year life expectancy.



Site Map

What are the Benefits of the Solar Carport Project?

- Provides shaded parking for both staff and fleet vehicles, as well as equipment.
- Vallecitos saved over \$60,000 dollars in energy costs the first year of operating the solar ports. With rising energy costs, these savings will only increase over time.

Environmental Benefits Over 25 Years

- Reduces Carbon Dioxide (CO₂) by 7,173 tons.
- Reduces Nitrogen Oxide (NO_x) by 17,331 lbs.
- Reduces Sulphur Dioxide (SO₂) by 10,030 lbs.
- Its production:
 - Is the equivalent of removing 1,251 cars from the road.
 - Offsets the emission of 7,173 tons of greenhouse gases and pollutants.
 - Would require 1,933 acres of rainforest to reduce an equivalent amount of Carbon Dioxide.



Other Ways Vallecitos is Green in Operations

- Use of ultra high efficiency motors at all water and sewer pump stations.
- Centralized storage of water supplies reduces amount of pumping required.
- Pump stations and reservoirs are designed to maximize off-peak electrical rates .
- Use of Supervisory Control And Data Acquisition (SCADA system), which collects data from remote locations such as pump stations, and sends this data to a central computer to reduce drive time to these facilities.



Printed materials paid for by a grant from:

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA