

# Top Level Solar Production

## Parking Garage Top Solar at North Coastal Live Well Health Center

Oceanside, CA



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### CHALLENGE

Commercial developer Hamman Construction was seeking a way to switch a county building to use a majority renewable energy with storage capability to cut costs, lower peak demand, and provide decades of savings.

### SOLUTION

A Parking Garage Top Solar array consisting of 1,403 panels in a single 23x61 array with unobstructed, direct sunlight. This solution also would provide the additional benefit to employees and visitors of shade for vehicles on the top level of the parking structure. Excess energy production is first used to charge a Tesla Energy storage system, then sold to the utility to offset grid energy use.

### CUSTOMER BENEFIT

The San Diego County tenant operates on 95% renewable energy consumption and less than 5% utility energy consumption. The Power Purchase Agreement provides energy cost savings as well as cost stability for the tenant; the agreement also allows the county offices to consume over 950,000 kilowatt hours of renewable energy annually in place of grid energy. The PPA arrangement delivers immediate tenant energy savings with zero investment.

**1,403**

Number of Panels

**610.3 kW**

Total System Size

**1,115 kWh**

Storage Capacity

**5 Tesla Powerpacks**

Storage System

**Parking Garage Top Solar**

PV Installation sites

**972,315 kWh**

Estimated Annual Output



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