



## Project Overview - Safeway Santa Cruz

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**Location:**

Santa Cruz, California

**Completed:**

April, 2010

**Installation Type:**

Flat roof, ballasted tilt up racking

**System Size:**

208 kW

**Inverters:**

2 PV Powered 100kW PVI-100

480 VAC Interconnect

**Monitoring:**

Energy Recommerce string level monitoring

## Comments

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The new Santa Cruz Safeway store was built as a representation of Safeway's commitment to environmental stewardship. The store features multiple renewable energy generation means and numerous efficiency measures as well as other water conservations and reclamation systems.

## Challenge

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Safeway was committed to installing a significant solar array on the roof of their new Santa Cruz store. Although the roof location was pre-designed for the array location, electrical equipment location proved to be challenging given the crowded parcel, and requirement to keep equipment "out of sight". Additionally, the store is located within sight of the ocean, and concerns regarding corrosion of electrical equipment required consideration.

## Solution

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Sandbar was brought in during the design phase of the project to offer "design assistance" to the project team. Our experience, coupled with "local knowledge" of the site and environmental conditions were positive contributions. Equipment locations were identified and coordinated with the local building authorities during the design phase to minimize plan check delays.

To address corrosion of electrical equipment, stainless steel disconnects, combiners, and cable trays were utilized.

## Results

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The entire project team coordinated and worked well throughout the installation to facilitate a clean and low impact delivery so as to not interrupt active operations at the open store. When the scheduled grid interconnect was performed which required shutdown, it was planned for early morning shutdown so as to minimize the impact of store closure.

The system was installed on schedule and ready for feature at the pre-planned 2010 Earth Day Celebration festivities.



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