



*"The decision to go solar not only made economic sense, but really aligned with Soiland's values. Since the company's inception, we have always strived to be sustainable and environmentally responsible."*

MARK SOILAND, THE SOILAND COMPANY

# The North Bay's Largest Recycler of Rubble Materials

## Their Need

The Soiland Company, North Bay's largest recycler of rubble materials, saw their electric bills double overnight due to a rate redesign. They decided to expand their existing solar capacity and looked to local installer North Coast Solar for more effective solutions to help offset demand from their quarry. From their past experience with a large fixed-mount system, they requested better economics, more productivity, and the most sustainable configuration for this follow-up investment.

## Our Solution

By specifying 33 Series-24 AllEarth Solar Trackers, North Coast Solar was able to meet Soiland's upfront targets of offsetting at least 50% of quarry power usage, significantly reducing time of use (TUE) penalties, making large improvements on Soiland's environmental impact, and providing a 7-year return on investment. The unique tracker design also met the company's sustainable land use goals, giving them more options to keep surrounding land in harmony with animals and other agricultural uses.

## kWh Production

This project exceeded its goals, with 2,096 kWh peak day production to date (offsetting quarry demand as early as 7:00 am). Matching the annual production would require a 330 kW+ fixed array, or 528 additional PV panels.

## Project Specs

### Installation Location

Cotati, CA

### Date Completed

February 2014

### System Installer

North Coast Solar

### System Size

202 kW, 33 Series-24 AllEarth Solar Trackers

### Electricity Generated

439,100 kWh / Year

