

## SMALL DIMENSIONS, HIGH DENSITY INVERTER

### MOUNT ANGEL 100 KW TRACKER

**LOCATION** Mt. Angel, Oregon



*It's convenient to have a 25 kW inverter that fits beneath the tracker, mounted to the post. Amazing how small these things are becoming.*

**Peter Greenberg**  
NRGwise Lighting



**TYPE**  
Ground mount

**POWER OUTPUT**  
136 kW<sub>DC</sub>

After operating the self-owned Mt. Angel project for about eight years, NRGwise Lighting faced the need to replace damaged modules and a tracking system from a supplier that had gone out of business. The project generates revenue from Oregon's pioneering feed-in tariff.

NRGwise opted for a complete system retrofit with bifacial modules and new CPS America commercial string inverters. Recommissioning in July 2020, Mt. Angel is expected to produce 125,000 to 150,000 kWh per year, compared to about 80,000 kWh in the last year before the retrofit.

### CPS PRODUCTS USED



4 - 25 kW  
Inverters



1 - 36 kW  
Inverter



FlexOM  
Gateway

## MOUNT ANGEL 100 KW TRACKER

### CHALLENGE

Data on the variables affecting bifacial solar performance are limited, so NRGWise jumped at the chance to compare how different types of ground cover, synthetic limestone and geotextile fabric, affect output at Mt. Angel, designing the project with four strings, one for each inverter.

As a longstanding CPS America partner, NRGWise knew how to find the right solutions for a unique project, controlling cost and complexity during construction and O&M.



*Mt. Angel represents the first project using the two-module-in-portrait configuration produced by GameChange Solar, according to NRGWise.*

### SOLUTION

The small dimensions of CPS's 25 kW inverter—just over 2 feet high including the wirebox, less than 16 inches wide and 8 inches deep—delivered multiple advantages. They enabled NRGWise to mount the inverter right to the tracker post, assured reliable system performance and helped maximize long-term energy production.



CPS America, a subsidiary of Chint Electric, is a smart energy solution provider focused on value and performance for our customers. With over 85,000 PV inverters in the U.S. and an exceptional engineering and service team based in Texas, CPS America is ready to support your next smart energy project.