



INSTALLATION  
LOCATION  
SOUTH BURLINGTON, VT

DATE  
COMPLETED  
JUNE 2011

SYSTEM  
INSTALLER  
AII EARTH  
RENEWABLES

SYSTEM  
SIZE  
2.1 MW, 382 SERIES-24  
ALLSUN TRACKERS

ELECTRICITY  
GENERATED  
3.4 MWh/YEAR



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## their need.

The 2.1 MW South Burlington Solar Farm was created as part of Vermont's feed-in tariff program and sells approximately 3 million annual kilowatt hours to Vermont's Sustainably Priced Energy Development (SPEED) program. The SPEED program encourages the development of renewable energy resources in Vermont, as well as the purchase of renewable power by the state's electric distribution utilities. The Vermont Energy Act of 2009 established a \$0.30 per kWh default price for the solar feed-in-tariff, which enabled developers of solar power purchased through the SPEED program to recover their cost, plus earn a reasonable return on their investment.

## our solution.

Instead of using one centralized inverter for the entire project, each tracker has its own inverter. Utilizing distributed inverters helps prevent overall power losses that can arise when using a single centralized inverter, and also saves labor and DC wiring costs. Through this innovative application, each inverter adjusts to the highest possible power output and efficiency of each tracker across the system. Operation and maintenance expenditures are also expected to be reduced over the life of the system, increasing the overall value of the energy yield. The tracker's simple, durable hydraulic design also allowed for faster permitting time.

## kWh production.

The 2.1 megawatt South Burlington Solar Farm is one of the largest solar installations to date in the state of Vermont. Spread over 25 acres, it is also the second largest distributed solar tracker farm in North America, with 382 AllSun Trackers. The project was completed in less than a year from the start of permitting to final commissioning. The tracker has a 10 year full-system warranty and 25 year design life.

"We've innovated and refined our AllSun Tracker so it can be affordably used to power homes or businesses, and at the same time make up a utility-sized farm like this project in South Burlington."

-DAVID BLITTERSDORF – CEO, ALLEARTH RENEWABLES

AllSun Trackers produce up to 45% more energy than a roof mounted, fixed panel system.



The South Burlington Solar Farm provides renewable energy to approximately 400 average households locally.