

## **SolarCity and Partners Announce Smart Energy Homes Pilot Project**

### ***\$4 million project will demonstrate how smart inverters, solar PV, and storage can advance the evolution of the electrical grid***

SolarCity, the nation's #1 solar provider, announced today a *smart energy homes* demonstration project in partnership with the SunSpec Alliance and Southern California Edison, where SolarCity will install rooftop solar PV, batteries, controllable thermostats, and smart inverters on 50 homes in the Southern California Edison territory. The team will demonstrate how *smart energy homes*, combining numerous distributed technologies, can be deployed and aggregated to advance the evolution of the electrical grid.

In addition to driving cost savings for residential customers, SolarCity intends to aggregate the portfolio of the 50 homes to provide distribution grid support as well as ancillary services into the CAISO wholesale market. SolarCity will use the data from the project to demonstrate the magnitude of benefits that these aggregated *smart energy homes* can offer to customers, the distribution grid, and wholesale markets.

"We plan to demonstrate the magnitude of benefits that smart energy homes, made of numerous aggregated technologies, can offer to customers, the distribution grid, and wholesale markets," said Ryan Hanley, Senior Director of Grid Engineering Solutions at SolarCity. "We are pleased to partner with the SunSpec Alliance and its member companies on this important project."

A \$2 million grant award from the California Energy Commission (CEC) will fund the project, along with another \$2 million in match funding from project participants including SolarCity. The project was selected in the CEC's competitive bid process in response to the State of California's Program Opportunity Notice (PON-14-303) "Advancing Cleaner, Less Costly, More Reliable Distributed Generation to Enable Customer Solutions and Zero-Net Energy Communities." SolarCity's Grid Engineering Solutions team will lead the company's participation in the project. For more detailed information on this project, please visit <http://sunspec.org/cec-pon-14-303/>.

### **About the SunSpec Alliance**

The SunSpec Alliance is a trade alliance of developers, manufacturers, researchers and service providers, together pursuing information and communications standards for the distributed energy industry. SunSpec standards address most operational aspects of PV, energy storage and other distributed energy power plants on the smart grid—including residential, commercial, and utility-scale systems—thus reducing cost, promoting innovation, and accelerating industry growth. More than 70 organizations are members of the SunSpec Alliance, including global leaders from Asia, Europe, and North America. Membership is open to corporations, non-profits, labs, governments and educational institutions. For more information about the SunSpec Alliance, or to download SunSpec specifications free of charge, please visit [www.sunspec.org](http://www.sunspec.org).

### **About SolarCity**

SolarCity® (NASDAQ: SCTY) provides clean energy. The company has disrupted the century-old energy industry by providing renewable electricity directly to homeowners, businesses and government organizations for less than they spend on utility bills. SolarCity gives customers control of their energy costs to protect them from rising rates.

The company makes solar energy easy by taking care of everything from design and permitting to monitoring and maintenance. Visit the company online at [www.solarcity.com](http://www.solarcity.com) and follow the company on [Facebook](#) & [Twitter](#).  
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