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## **Sacramento Municipal Utility District Teams With Silent Power for Solar Storage Pilot Project**

MINNEAPOLIS (June 14, 2010) – Silent Power, a renewable technology company that designs distributed energy storage systems to maximize the value of renewable power resources, today announced it will supply the Sacramento Municipal Utility District (SMUD) with distributed energy storage technology to aid in completing the utility's photovoltaic (PV) storage pilot at Anatolia.

The utility's \$5.9 million pilot project will evaluate how the integration of energy storage enhances the value of distributed PV resources for the community, the utility and the grid by reducing peak loads, firming intermittent renewable capacity and maximizing overall system efficiency. Silent Power's OnDemand™ Home Energy Appliance is a distributed energy storage device that will store excess energy generated by a homeowner's solar power system. When energy is needed during super-peak demand times (4 p.m. – 7 p.m.), SMUD and their customers can draw upon this stored energy from the OnDemand™ system.

"Silent Power is honored to be part of SMUD's cutting-edge efforts to implement storage technologies within its broader smart grid initiatives in its community," said Todd Headlee, Silent Power CEO. "Our technology is helping to make energy storage mainstream and increases the societal value of renewable energy. We envision a future in which every solar PV installation includes energy storage."

"The pilot project further demonstrates SMUD's industry leadership in integrating renewable technologies that maximize the grid's clean energy and reliability for our customers," said Mark Rawson, SMUD senior project manager. "As part of our efforts to more broadly deploy smart grid technologies that enable easier integration of renewables, storage could be a valuable asset for SMUD and its customers. This pilot helps us understand the technical and economic feasibility of these types of storage technologies."

Silent Power's OnDemand™ system will be placed in 15 homes in the Rancho Cordova, Calif. community. The pilot project will allow monitoring of PV systems, along with energy storage, to give SMUD a better assessment of the value of distributed energy resources from a utility standpoint. SMUD will be able to determine how well the storage systems can support its super-peak consumption times, when output from the PV systems drops significantly. Based on these outcomes, the utility may replicate the technology throughout its service territory

should it prove feasible.

Silent Power will work in partnership with GridPoint, an established leader in smart grid software, the National Renewable Energy Laboratory, Navigant Consulting, SunPower and Saft, a provider of high-tech lithium ion batteries, to offer SMUD a complete solution to energy storage and management needs. The OnDemand™ system will work hand-in-hand with GridPoint's energy storage and deployment software that will monitor and dispatch power. Saft will provide the lithium ion batteries needed to power the OnDemand™ systems.

For more information on the SMUD smart grid pilot project please visit

[www.smud.org](http://www.smud.org).

**About Silent Power**

Based in Baxter, Minn., Silent Power, Inc. manufactures and markets easy-to-install, highly reliable distributed energy storage systems for the renewable energy, electric vehicle charge station, and backup power markets. For more information, please visit [www.silentpwr.com](http://www.silentpwr.com).