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### **SolarLogic LLC Partners with Sandia National Labs to Advance Solar Thermal Hot Water Market**

SolarLogic has received a grant from the NM Small Business Association (NMBSA) Technology Partnership Agreements program for technical assistance from Sandia National Laboratories' Solar Thermal Group. The Sandia group will provide solar energy modeling calculations to assist SolarLogic in the development of a solar thermal controller and domestic hot water system for residential use. The modeling calculations will form the basis of energy measurements which can separate hot water usage, passive heat loss, solar energy input and fuel-based hot water recovery in domestic hot water tanks.

Fred Milder, CEO of SolarLogic comments that "The product that results from the SolarLogic-Sandia National Labs collaboration will provide long-needed answers to two questions: 'Exactly how valuable is my solar hot water system?' and, 'Is it working as efficiently as possible?'" In addition, this information can provide the basis for compensation from utilities and government agencies for the homeowner who decides to offset fossil fuel consumption with renewable energy by heating hot water with solar thermal collectors.

"Solar thermal enthusiasts have been waiting many, many years for this – a domestic hot water system that is easy to install, has web-based control and monitoring, provides accurate energy measurements and security against Legionnaires' disease...all for the right price," says Bristol Stickney, Chief Technical Officer at SolarLogic. Mr. Stickney continues, "This technology will support widespread adoption of solar water heating in the US like we see in Germany, Israel and China."

Solar domestic hot water systems can operate reliably for over 25 years; many systems installed in the early 1980s are still operating today.

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