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## SolarLogic Wins First Place Again at Annual Radiant Professionals Alliance Conference

Santa Fe, NM: SolarLogic LLC, a New Mexico solar heating technology company, was recently awarded first place at the annual Radiant Professionals Alliance conference for a solar hydronic and waste heat recovery heating and cooling system designed for and installed at the Milder Residence in Galisteo, NM. The system, designed by SolarLogic's Chief Technology Officer, Bristol Stickney, features SolarLogic's "SLIC" integrated system control.

The 2013 System Showcase Award in the "Residential Retrofit" category was presented to SolarLogic at the RPA's National Conference in Philadelphia, PA. The RPA is a division of the International Organization of Plumbing and Mechanical Officials (IAPMO). The heating system for the Milder's off-grid home now has four heat sources: 440ft<sup>2</sup> of flat-plate solar collectors, a modulating/condensing propane-fired boiler, a backup boiler in the Domestic Hot Water tank and waste heat recovery from a propane-fired backup electric generator by coupling a heat exchanger to the generator's water pump. Conveniently, generator waste heat is most often available during cloudy periods when the solar heating array is less effective because the off-grid power system also needs backup at that time.

"Up to 80% of a propane generator's output is waste heat," says Stickney. "With SolarLogic's technology, we're putting that heat to good use." The heating demands of the home include radiant floors, hot water and a swimming pool. With the SLIC controller, any of the heat sources can be used singly or in combination for any of the heat loads.

"The system is currently set so that the radiantly-heated pool uses no propane for heat, only solar thermal and recaptured heat from the generator," notes Jeff Stampfer of Eldorado Solar, "and it's very comfortable swimming for over four months of the year." Stampfer was the system installer.

The SolarLogic "SLIC" controller operates all heat sources and heat loads, providing a broad array of intelligent features: adjustments, troubleshooting, monitoring and data logging via the internet, email notifications when the system operation is sub-optimal, and "parameter profiles" which can easily return seasonal settings. In addition to working with solar heating, the SLIC is compatible with ground-source heat pump systems, wood boilers, and other renewable energy heating and cooling sources. It requires no programming or customization, so is much easier to specify and install than previous solutions.

"The 'homeowners' are in love with their heating system," adds SolarLogic CEO Fred Milder, who, with his wife JJ, is also the owner of the award-winning home.

Milder adds, "recognition of SolarLogic's breakthrough technology from a leader in the industry like the RPA is a real source of pride for us."

SolarLogic made headlines in 2012 for two First Place Showcase awards from the RPA for its solar cooling technology and SLIC controller. SolarLogic currently holds six patents, manufactures, sells and develops smart technology products for the renewable energy heating market.

*Since 1994, the RPA has been promoting radiant heating as comfortable, efficient, and healthy on behalf of its network of dedicated members who share the desire to advance the understanding and acceptance of radiant and hydronic technology. <http://radiantprofessionalsalliance.org/>*

*SolarLogic LLC was formed in 2008 to promote the adoption of integrated multi-source/multi-load thermal energy systems by providing products and services that eliminate the system complexity while delivering superior performance, reliability and ease of use. Since formation, the company has developed its flagship products – the SLIC (SolarLogic Integrated Controller) and SLASH-D (SolarLogic-Assisted Solar Heating Design.) The logic embodied in these products is appropriate for any heating system of any scale, reduces design, engineering and construction costs, and increases energy savings for the life of the system.*

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