

## **Historic Inn prepares for this century with solar electric generator (PV) and domestic hot water systems**

**News Release-** for Immediate release, contact John Kondos

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The venerable Hermitage Inn in Dover, VT ([www.hermitageinn.com](http://www.hermitageinn.com)) reopened this fall w/ a significantly reduced energy budget and carbon footprint based on substantial insulation upgrades, innovative LED lighting, new windows and the two solar energy systems by Solar Source. We believe the PV system is the largest installation to date in either Windham County, VT or Cheshire County, NH our primary market area.

The 15 kilowatt peak PV (photovoltaic) system designed and installed by Solar Source/Home-Efficiency Resources of Chesterfield, NH produces enough energy to power three homes. This freestanding system, which was installed in less than a month, will provide the Hermitage with clean & sustainable electricity every day for at least the next 25 years (the module warranty period). The system which features 78 Evergreen 190 PV modules began producing electricity on August 5<sup>th</sup>. It produced 6,082 KWH in the first four months of operation avoiding 103,392 pounds of CO<sub>2</sub> from being produced by conventional power generation. This grid-tie system takes advantage of net metering to send excess electricity, not consumed by the Inn, to Green Mountain Power. The excess electricity which spins the meter backwards is sent to the utility grid and is credited against subsequent electricity purchased.

The 8 collector solar domestic water heater is expected to provide from 40-100% of the hot water needs for the 150 seat restaurant and the guest rooms depending on the month and occupancy. This system features eight Heliodyne Gobi 410 solar panels on the roof and four 120 gallon storage tanks in the basement near the renowned wine cellar. According to Kondos "Solar water heating is a great option for any family or business that uses a lot of hot water, since the more hot water you use the more you get heated for free by the sun. Our 12 year old solar water heater has paid for itself by now, but for me the best part is taking long guilt free showers after a sunny day."

John Kondos, who has sold and installed solar water heaters in MA, NH & VT and photovoltaic (PV) systems on three continents, "is very proud to have contributed to the renovation of this venerable Inn which raised the standards for green inns, significantly reduced its carbon footprint and positions it to weather the uncertain energy markets of the next century".

Solar Source/Home-Efficiency Resources was established to provide objective energy efficiency assessments as well as solar water heaters and solar electric systems to homes and businesses from Mt Snow to Mt Monadnock. New England has some of the oldest and least efficient housing stock and the highest energy costs. Solar Source/H-ER is committed to providing our neighbors with objective and sound information on the

energy performance of their buildings and to putting solar systems to work to reduce our impact on our climate and our nation's dependence on fossil fuels.

Solar Source/H-ER located in Chesterfield, NH can be found on the web at [www.home-efficiency.com](http://www.home-efficiency.com) and/or [www.SolarSourceSite.com](http://www.SolarSourceSite.com).



15 KWP PV array, Hermitage Inn, Dover, VT