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EBM, a Hudson Valley Energy Services Company, Advances Residential Sustainability.

Jonathan and Vicki Harkness, owners of EBM Consulting Services, Inc. are proud to announce the completion of the largest single-family residential solar electric system in New York State. The project, on a Hudson Valley farm, was completed in 2007. This is a milestone in renewable energy and sustainable living.

Six solar arrays, arranged in a cascade on a sun-drenched hill, are expected to produce between 36,000 and 40,000 kWh per year. This renewably generated energy provides the volume of electricity equivalent to the burning of 29 to 32 thousand pounds of coal annually, according to the US Department of Energy. The Climate Change Calculator on the American Forests website estimates that this system will annually save 55,788 lbs of CO₂ from coal-fired power plants.

EBM Consulting Services and their ecologically-minded clients, both residential and commercial, including many farms, are at the forefront of a growing response to curb greenhouse gases for environmental health and economic stability. The US Department of Energy cites that the Earth receives more solar energy each day from the sun than the total amount of energy the planet's inhabitants would consume in 27 years. While it is neither possible nor necessary to use but a small portion of this energy, we've hardly begun to tap the potential of solar energy. "This abundant resource can be part of the effort to reduce our environmental footprint," says Vicki Harkness, President of EBM.

Energy conservation, as well as Solar Electric, Hydro Electric, Wind Power and Passive/Active Solar Thermal Heating are all pieces of the renewable energy puzzle that EBM utilizes to fit individual project requirements. Production versus consumption monitoring, via computer technology, provides clients with a window onto their investment in the future. Net-Metering, the capability of selling excess energy back to a utility company, is also available to clients in many states.

Total energy consumption is not likely to be curbed in our growing technologically engaged society, thus private residences comprise an important focus of renewable energy advances and energy conservation, which will benefit us all. EBM Consulting Services' seventeen years in the energy industry brings experience to the vision of residential sustainability.