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Simi Valley, California



UTC Power and the U.S. Department of Energy have enabled the Ronald Reagan Library to create its own energy for electricity, space heating and cooling in a revolutionary way while reducing waste and increasing efficiency.

The cogeneration system consists of sixteen 60 kW Capstone MicroTurbines™ that run on clean-burning natural gas and provide 95 percent of the electricity for both the new Air Force One Pavilion – which opened in October 2005 – and the original 100,000 sq. ft. Ronald Reagan Library, both located in Simi Valley, California. The installed system consists of three UTC PureComfort™ packages, each with four Capstone MicroTurbines™ and a Carrier absorption chiller. Four stand-alone Capstone 60 kW units were added for a total of 960 kW of generating capability. The direct exhaust-fired absorption chillers capture thermal energy from the microturbines to provide 387 tons of refrigeration for cooling both the library and the pavilion.

*Photo of Air Force One
taken by Fred Taylor, Capstone*