

The Ritz-Carlton, San Francisco

At this prestigious Ritz-Carlton hotel, a landmark in San Francisco's upscale Nob Hill area in California, a UTC PureComfort™ 240M is providing combined cooling, heating and power (CCHP) to the facility. The configuration is a combination of four 60 kW Capstone MicroTurbines™ and a double-effect absorption chiller from Carrier Corporation, UTC Power's sister company. The chiller collects the microturbine's exhaust in a manifold and puts out 161 refrigeration tons (RT) of cooling at an ambient air temperature of 59 degrees. UTC Power also produces PureComfort™ 300M and 360M including five 60 kW, or six 60 kW respectively.

In accordance with the Ritz-Carlton's Director of Engineering, purchasing the PureComfort system was the result of an ongoing plan to lower energy consumption at the hotel. The PureComfort™ 240M has a footprint approximately 22 feet long, 21 feet wide, and 16 feet high. The system is modular and uses the same chiller for the 240, 300, or 360 microturbine combinations. ■



Four 60 kW Capstone microturbines provide cooling, heating and power to the prestigious Ritz-Carlton hotel in San Francisco.