

## Communication Company Data Center California

One of the United States' largest communication companies was paying steep peak-power costs at a California data-center and switch site. Combine the high peak prices with concern about the site's aging air conditioning and back-up power and company executives knew they needed a change. So they turned to a Capstone microturbine to alleviate both problems. Today, four C65 microturbines that run on low-pressure natural gas serve as the foundation for a combined cooling and power (CCHP) system that has cut the data center's electric bill by two thirds. The CCHP system creates 260 kW of electricity that operates on-site gas compressors, air conditioning pumps and fans, data center computers and the full data center load, which includes the telephone switch and wireless network. Thermal heat from the microturbine exhaust runs a direct-fired 42-ton absorption chiller connected to the air conditioning system. ■



*Four C65 MicroTurbines™ running on natural gas provide CCHP at a data center in California.*

