

# Calabasas Landfill



A 300-kW array of biogas-fueled C30s has been creating renewable energy from landfill gas virtually non-stop for nearly four years at this 400-acre active landfill in the Los Angeles San Fernando Valley.

Part of a joint program to reduce air emissions, the South Coast Air Quality Management District of Los Angeles County purchased the microturbines for the Los Angeles County Sanitation Districts. From start to commissioning, the project was online in five months.

Since commissioning in mid-2002, the Capstone systems have operated with greater than 95% availability.

Capstone's next-generation microturbines for biogas applications—the CR65 series introduced early in 2006—delivers more than twice the renewable energy output as the biogas C30. The CR65 is also provides greater power density: an array of five CR65s would have 10% higher power output than that at the Calabasas Landfill, but the footprint of the five CR65s would be half that of this 10-unit C30 installation.