

**South Coast Air Quality Management District  
Technology Advancement - BACT  
Distributed Generation BACT Status Report  
September 17, 2004**

A pilot program has been designed with Tecogen to determine if their engines can achieve on a continuous basis NO<sub>x</sub> emissions less than 5 ppm @ 15% O<sub>2</sub>. It will commence shortly once calibration gases for Tecogen's portable emission analyzer are obtained. At a facility with three Tecogen engines providing 24/7 heat and power, Tecogen will establish the acceptable range of the O<sub>2</sub> sensor with the portable analyzer and then continuously record the O<sub>2</sub> sensor output, catalyst temperatures, engine load and other parameters to demonstrate satisfactory operation of the air/fuel ratio controller. AQMD will periodically do unannounced emission tests to verify performance. Tecogen will conduct additional emission testing once per month and whenever an oxygen sensor is replaced. This pilot program will last several months.

MLK