

## CHINA: HUAINAN COAL MINE METHANE UTILIZATION PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	Coal mine methane capture and usage ACM008
Location:	Huainan, Anhui Province, China
Emission Reductions purchased:	2,000,000 t CO <sub>2e</sub>

The Huainan Panyi and Xieqiao Coal Mine Methane Utilization Project uses the so far air ventilated and unused coal mine methane gas for the generation of heat, electricity as well as distribution of gas to nearby households.

The project activities comprise:

- Improvement of gas collection system
- Installation of coal mine gas fired cogeneration in 2 mines (6.8 MW el, 8.3 MW el)
- Replacement of coal fired boilers with coal mine gas fired boilers in a 3<sup>rd</sup> location (2 MW el)
- Construction of residential coal mine gas distribution system for 10,000 households

The total reduction of emissions will be approx. 400,000 t CO<sub>2e</sub> annually, totalling to 2,000,000 t CO<sub>2e</sub> up to 2012.

The project will lead to improved safety standards for coal mine workers through the improved gas collection system. During the construction phase, about 300 workers will find employment in the project, during the operation phase additional qualified personnel will be employed. The project is welcomed by the nearby residents as it will lead to improvement of air quality and increased security in energy supply.

