



Methane to Markets

U.S. Methane to Markets Accomplishments

Coal Mine Methane Sector

May 23, 2006

Tuscaloosa, Alabama

United States of America

Methane to Markets

– U.S. Involvement in Coal Mine Methane



USAID
FROM THE AMERICAN PEOPLE



US Accomplishments in the Coal Sector - New Activities

- EPA collaborated with Japan's New Energy and Industrial Technology Development Organization (NEDO), the Australian Greenhouse Office, & China Coal Information Institute (CCII) on Coal Mine Methane Tech Transfer and Project Development **Workshop in Beijing** (December 2005)
- EPA participated in **UNECE Meetings** of the Ad Hoc Group of Experts on CMM and the Task Force on Improving Mine Safety through the Extraction and Use of CMM in Geneva (January 2006)
 - EPA developing three case studies to examine the economic and safety benefits of incorporating methane recovery strategies at US Coal Mines (ongoing)

US Accomplishments in the Coal Sector - Ongoing Activities

- EPA continues to support Methane to Markets **core activities**
 - Completing draft of “Global CMM Overview: Activities and Opportunities”, which will be available on the web for comments in June, 2006
 - Developing web-based Global Database of CMM Projects
 - Preparing white paper on ownership and regulatory issues in Partner countries based on completed questionnaires
 - Supporting the development of key strategies for the CMM sector for a successful Partnership Expo

US Accomplishments in the Coal Sector - Ongoing Activities

- TDA provided **technical assistance grant** to the Shanxi Jincheng Anthracite Coal Mining Group in China to develop a 120 MW CBM and CMM power plant at the Sihe Mine
 - Caterpillar and Jincheng announced contract for engines (May 2006)
- TDA and EPA are in discussion with Government of India about establishing a CBM/CMM **Clearinghouse in India**
 - TDA sponsored two orientation visits to the US from India
 - TDA funded a CBM feasibility study in India
 - US EPA and TDA visited India for discussions (May 2006)

US Accomplishments in the Coal Sector - Ongoing Activities

- EPA funded a pre-feasibility study to evaluate use of ventilation air methane (**VAM**) in **Huainan** China
 - EPA site visit (August 2005)
 - Pre-feasibility study under review by mining group and technology vendors

- USAID project in **Ukraine** to demonstrate the technical effectiveness of enhanced horizontal **drilling techniques**.
 - Drill shipped to Ukraine (March 2006)

- TDA awarded grant for **feasibility study** in Donbass coal basin, **Ukraine** for CMM and CBM (October, 2005)
 - US contractor conducted site visit (April 2006)

US Accomplishments in the Coal Sector - Ongoing Activities

- EPA is funding a cooperative agreement with **UNECE** to promote **financing** and investment of CMM projects in countries with economies in transition
 - UNECE will kick off mission in Russia with meetings in Moscow and Kemerovo (June 2006)

- EPA continues to support CBM/CMM **Clearinghouses** in China, Russia, and Ukraine
 - PEER in Ukraine will hold workshop to train coal mining community on project finance (June 2006)
 - Uglemetan in Russia will hold international conference on project opportunities (June 19-20, 2006)
 - CBMC in China is planning conference (October 17-18, 2006)

US Accomplishments in the Coal Sector - Future Activities

- EPA is sponsoring a Methane to Markets Workshop in Fall 2006
 - *Date and location TBD*
- EPA is hosting CMM workshop in Western U.S.
 - September 26-27, 2006 Grand Junction, Colorado
 - Primarily domestic audience, but international attendees welcome

