



Methane to Markets

U.S. Methane to Markets Accomplishments

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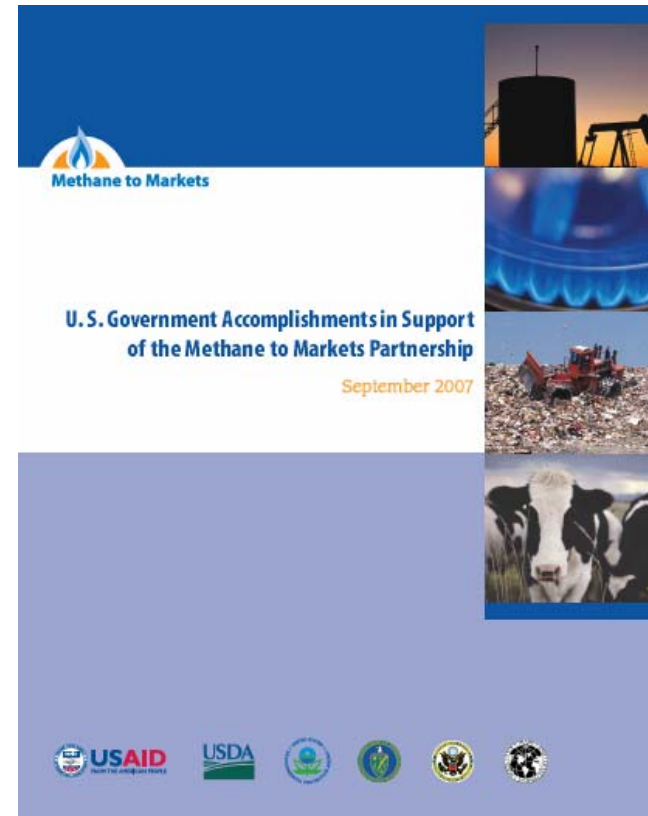
31 October 2007

Methane to Markets: U.S. Commitment

- Pledge of \$53 million over five years
- Provide significant support for the first Partnership Expo
- Completed a successful request for proposals and awarded over \$3 million to more than 20 projects in eleven M2M Partner countries.

2007 USG Accomplishments Report Highlights

- Provided \$18.3 million to support a wide range of projects and activities.
- Leveraged over \$261 million in public and private sector contributions.
- Initiated direct assistance agreements for methane recovery and use project activities in Argentina, Brazil, China, Colombia, Ecuador, India, Korea, Mexico, Nigeria, Russia, and Ukraine.
- Invested in projects that, if fully implemented, will result in estimated annual emission reductions of approximately 9 million metric tons of carbon dioxide equivalent (MTCO₂E).



Methane to Markets: U.S. Involvement

U.S. Government Support



USAID
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U.S. Involvement: Agriculture Sector



- **Strategic Focus**
 - Identifying project opportunities, assisting with the sector action plan, and recruiting Project Network members to increase participation in Subcommittee.
 - Participated and helped organize Argentina Agriculture sector workshop and second Subcommittee Meeting in Buenos Aires (May 2007).
- **Key Activities:**
 - ***Technical Assistance and Project Development***
 - Providing technical support for livestock waste management projects in East Asia under Global Environment Facility/World Bank grant.
 - ***Technology Transfer & Capacity Building***
 - Partnering with grantees in Colombia to generate an inventory of the most valuable agricultural waste in Colombia.
 - Working with Mexico to develop livestock waste management best practices demo projects at a variety of types of farms, & developing institutional capacity.

U.S. Involvement: Coal Sector



- **Strategic Focus**
 - Addressing key global barriers and targeting project development and tech. assistance to countries w/ greatest project potential.
- **Key Activities**
 - ***Tool Development & Technology Transfer***
 - Supporting improved drilling techniques in Ukraine with equipment and training.
 - Co-sponsored technology transfer and project development workshops in China and Australia.
 - Developed a CMM Global Overview
 - Developed an online CMM projects database
 - ***Training & Capacity Building***
 - Signed an MOU to establish India CMM Clearinghouse
 - Working with UNECE to address financial barriers to CMM recovery and use projects in Newly Independent States and Eastern Europe.
 - Support to the China CMM Clearinghouse
 - ***Project Development***
 - Working with ADB to support the development of 2 large-scale CMM projects in Shanxi, China

U.S. Involvement: Landfill Sector



- **Strategic Focus**
 - Addressing key global barriers, implementing project development in interested countries and developing tools to facilitate increased project development globally.
- **Key Activities**
 - ***Tool Development & Technology Transfer***
 - International Database of disposal sites and LFG project opportunities
 - Country-specific LFG recovery models (Mexico and Ecuador's are complete, plan to adapt for additional countries)
 - ***Training & Capacity Building***
 - Summarized data on more than 400 solid waste facilities in Brazil and is helping to select 12 sites for further evaluation
 - Co-sponsored LFG workshops and training seminars in Russia, Turkey, and India.
 - ***Project Development***
 - Supporting implementation of a LFG-fired power plant in Brazil.
 - Conducted the first M2M Partnership pump test at landfill in Mexico.

U.S. Involvement: Oil and Gas Sector



- **Strategic Focus**
 - Working with the subcommittee to address important barriers, providing continued training to countries with need and targeting project development and tech. assistance to countries w/ greatest project potential.

- **Key Activities**
 - ***Training & Capacity Building***
 - Coordinated workshops in Columbia, Mexico, Russia and Washington, DC. Will have workshops in Calgary and New Delhi this winter.
 - Launched Natural Gas STAR International Program
 - ***Technology Transfer***
 - Supporting a feasibility study to help Colombia's Ecopetrol S.A. address the safety, security, and integrity of Colombia's hydrocarbon pipeline system.
 - ***Project Development***
 - Funded two pilot projects at PEMEX facilities, which will have estimated annual emission reductions of just over 120,000 MTCO₂E.
 - Developing two pre-feasibility analyses for gas capture and use for electricity generation at a Colombia crude oil facility
 - Funded two major natural gas compression directed inspection and maintenance projects in Ukraine.

Cross-sector Support

- Provide resources as co-host of the Partnership Expo.
 - Travel for experts and speakers in all sectors
 - Project identification and poster development assistance for over half of projects displayed at Expo.

U.S. Involvement: Administrative Support Group

- ASG provided support to multiple subcommittee meetings and additional workshops and outreach events.
- Planned and organized the Partnership Expo including development of multiple outreach documents and Expo website
- Convened M2M Expo taskforce and organized multiple teleconferences to solicit input and feedback.
- Continued to improve the M2M website including implementation of revised online project tracking system, an improved Project Network database and updated profiles for all M2M Partners.

U.S. EPA Grant Solicitation – November 2007

- U.S. EPA plans to issue a request for proposals to fund methane recovery and use projects and activities.
 - Total estimated amount is \$7,000,000.
 - Up to 40 cooperative agreements, at \$100,000 to \$700,000 per award.
 - Estimated project period: May 2008 - May 2010.
 - Plan to initiate request for proposals in November.
- Additional information will be available at:
 - www.epa.gov/methanetomarkets.gov/grants.htm

U.S. Involvement: Looking Forward

- Continue developing projects that achieve direct and rapid emission reductions.
- Build capacity, provide training, and overcome technical, policy, and market barriers where needed.
- Track the progress of the Partnership by including all USG activities in the M2M online tracking system.
- Help to implement activities to encourage increased participation in the Project Network.
- Build on momentum from Partnership Expo to expand USG activities in all sectors of M2M.