



Methane to Markets

*Public-Private Partnership to Advance the
Recovery and Use of Methane as a Clean
Energy Source*

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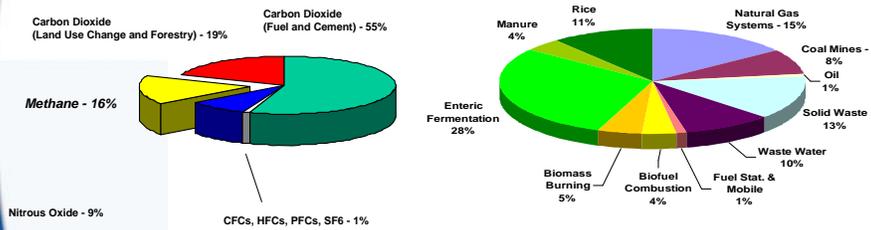
Overview

- Why Methane?
- Methane to Markets Overview
- Activities and Action Plans
- Priorities for 2006
- Outreach and Communications
- Contact Information

Why focus on Methane?

- ✓ A potent GHG (100-year GWP of 23; atmospheric lifetime of ~12 years)
- ✓ The 2nd most important GHG accounting for ~18% of total climate forcing
- ✓ A primary constituent of natural gas and a valuable, clean-burning energy source

Global Greenhouse Gas (GHG) Emissions in 2000 = 40,702 MtCO₂e



Cost-Effective Projects Recover and Use Methane

Coal Mines



Oil and Gas Systems



Landfills



Livestock Waste

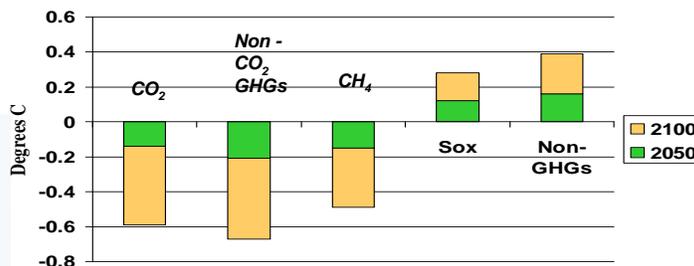
Significant Co-benefits of Methane Recovery and Use Projects

- Important local energy source and reduced waste of a valuable fuel
- Improved industrial safety and productivity
- Improved air quality, water quality and reduced odors
- Reduced greenhouse gas emissions
- Progress toward sustainable development goals
- Economic growth and energy security

CH₄ Reduction Offers Important Climate Benefits

- *“Looking to likely emissions over the next half century, it is also the case that feasible reductions in emissions of methane and other non-CO₂ gases can make a contribution to slowing global warming that is as large or even larger than similar reductions in CO₂ emissions.” - MIT, 2003*

Impact of a 50% reduction from BAU in 2050, maintained to 2100



Methane to Markets Partnership Overview

- Advances recovery and use of methane as a valuable clean energy source
- Encourages development of **cost-effective** methane recovery and use opportunities in
 - coal mines
 - landfills
 - oil and gas systems and
 - agriculture (manure waste management)
- Private companies, multilateral development banks and other relevant organizations participate by joining the **Project Network** – *over 250 organizations now participating*

- 17 Partner Countries

Argentina	Japan
Australia	Korea
Brazil	Mexico
Canada	Nigeria
Colombia	Russia
China	Ukraine
Ecuador	United Kingdom
India	United States
Italy	



The Project Network

- Project network members are private firms, development banks, NGOs or other governmental and non-governmental entities with an interest in methane recovery and use projects
- Currently over 250 organizations including:
 - World Bank
 - UN Economic Commission for Europe
 - Consultants and Project Developers
- Private sector and broad stakeholder involvement is central to the success of the Partnership
 - Provide technical input and expertise
 - Participate in all activities and meetings
 - Identify and implement activities and projects
- Organizations can join on-line at www.methanetomarkets.org
- Project Network Members can submit project ideas on-line at <http://www.methanetomarkets.org/projects/submit-ideas.htm>

Methane to Markets Activities

- Subcommittees develop **Action Plans** that
 - identify barriers to project development and specific activities to help overcome them
 - focus on promoting near-term project development
 - focus resources on important activities and barriers
- Country representatives and Project Network members in each subcommittee collaborate to develop and implement **Action Plans**
 - developed countries assist developing countries and countries in transition in undertaking the activities
- Available on methanetomarkets.org

** Action Plans are living documents and are updated regularly*

Oil and Gas Action Plan Summary

- Identify methane recovery opportunities, available technologies, and best management practices
- Conduct market assessments
- Compile country-specific needs, opportunities, and priorities
- Identify cooperative activities to increase methane recovery and use in the oil and gas sector
- Conduct outreach to Project Network members
- Coordinate technical studies and material collection

Partnership Priorities for 2006

- Implementing concrete activities in each sector and in each Partner country
 - Implementing and Updating Sector Action Plans
- Identifying near-term opportunities to develop projects for investment and implementation
- Expand the Project Network to include key organizations from the private sector and the investment community
- Partnership Expo for 2007
- Tracking Projects and Accomplishments

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Methane to Markets Partnership Expo

- Partnership Expo: A Forum for Projects, Technology, Financing, and Policy
- Fall 2007, Beijing China
 - Exact dates and location TBD
- Expo goals:
 - Showcase specific projects for investors to consider
 - Showcase methane capture and use technologies and services
 - Conference on the key technical, policy, financing, and regulatory issues related to project development in each sector

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Methane to Markets Outreach Resources

- Methane to Markets Website (www.methanetomarkets.org)
 - Central point for all methane related information
 - Expand sector specific information and provide useful tools
 - Constantly updated input and suggestions are encouraged
 - Timely information on funding opportunities
 - On-line project submission form to showcase ideas for projects and activities and ongoing projects
- Methane International Newsletter
 - Looking to highlight success stories in the Oil and Gas sector
 - Next Issue due – July 2006
- Project Network members and Country Partners are encouraged to contact us to be included in our outreach activities

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M2M Funding Opportunities

- USAID's Global Development Alliance (GDA)
 - Private sector eligible
 - http://www.usaid.gov/our_work/global_partnerships/gda/
- USAID's India Mission provides \$400,000 of funding through GDA grants
 - Private sector is eligible
 - RFP ends June 16, 2006
 - http://www.usaid.gov/in/working_with_us/grant_opportunity.htm
- U.S. EPA Grant for M2M Projects for up to \$2.5 M over 3 years
 - Request for proposals begin summer 2006 for funding in early FY07
 - Non-profits eligible
- International Utility Efficiency Partnership
 - Will fund 10-15 GHG reduction projects with a total value of \$2,000,000 including a 50/50 cost share requirement for FY06
 - Request for Proposals closed April 20

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M2M Meetings/Events

- 23 May 2006 – Coal Subcommittee Meeting, Tuscaloosa, Alabama, U.S.
 - Co-located with International Coal Mine Methane Symposium
- 2 May 2006 - Commission on Sustainable Development
 - Partnership Fair
- 12 May 2006 - Landfill Subcommittee Meeting – Cologne, Germany
 - Co-located with Carbon Expo
- Agriculture Subcommittee Meeting – TBD
- Steering Committee Meeting – 4th Quarter 2006
 - Meeting of the Steering Committee only. Subcommittee co-chairs should also plan to attend to provide updates on their progress.
- Fall 2007– Beijing, China - Partnership Expo
 - Co-located with Steering Committee and all subcommittee meetings

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Conclusions

- M2M is a unique international partnership
 - Near-term
 - Voluntary
 - Public-private
 - Multiple benefits (energy, economic, environmental, safety)
- Key infrastructure has been established and Partnership is moving forward
 - Implementing Sector Action Plans
 - Identifying country needs and priorities
 - Advancing methane recovery and use project development
- The Partnership will deliver measurable, near-term climate protection and other environmental co-benefits through cost-effective, voluntary action
- Expanding partnership opportunities (Project Network Membership) is our key to success - JOIN US!

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For More Information

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