



Methane to Markets

Landfill Subcommittee Meeting

Methane to Markets
Partnership

Cologne, Germany 12 May
2006

Background

- Terms of Reference (Nov. 16, 2004) establishes sector-specific Subcommittees responsible for:
 - guidance and assessment of specific activities;
 - engage representatives of the private sector, multilateral development banks, researchers and other relevant non-governmental organizations;
 - develop a collaborative Action Plan.

Action Plan

- Specific elements of the Action Plan (TOR, Paragraph 3.4):
 - Overview of methane recovery and use opportunities and description of available technologies and best practices in the LFG;
 - Identification of key barriers and issues for LFG project development;
 - Discussion of market assessment and reform issues;
 - Identification of project finance opportunities and mechanisms;
 - Discussion of country-specific needs, opportunities, and priorities in the LFG sector,
 - Identification of possible cooperative activities to increase LFG methane recovery and use
 - Outreach to engage Project Network members

Landfill Subcommittee Activities

- Landfill Subcommittee has convened three times:
 - 17 November 2004 at the Ministerial Meeting, Washington:
 - 13 June 2005 in Torbay, United Kingdom
 - 2 - 4 November 2005 in Buenos Aires, Argentina.
- Working Approach:
 - Received input from committee members and Project network members
 - Incorporate the key elements proscribed by the Steering Committee
 - Priority was given to activities that have the greatest chance to achieve emissions reductions in the near term
 - Development of an Action Plan, living document updated on an ongoing basis

Action Plan (1 of 2)

| ITEM | BARRIER | ACTION | STATUS AT THE END OF THE FIRST YEAR | SECOND YEAR PLANNED ACTIONS |
|------|--|---|---|---|
| 1 | Lack of country-specific information on disposal practices, LFG management, and opportunities for LFG capture and use. | Develop landfill country profiles. | 6+1 country profiles already obtained and available on the Web site. | Follow up with member countries that have not yet submitted country profiles. |
| | | International Landfill Database. The database will serve as a useful resource to assist in identifying potential methane recovery and use projects in the M2M partnership countries. | Designed the template for a Web based tool to provide data and contact information for key government contacts and for specific landfill project opportunities in Partner countries. Preliminary data collected for four M2M countries: China, India, Mexico, Brazil. | Draft DB template provided to partner countries and project network for review and comment in April '06. Launch of DB by January '07. |
| | | Sponsor LFG training workshops and Project EXPO. | Sponsored Landfill Methane Training Workshop in Moscow, Russia, May 31-June 1, 2005-US/Russia M2M collaboration. Cosponsored Latin American LFG Project Expo 2005, July (Uruguay)-World Bank event. | Conduct a landfill specific Project Expo in 2006. Support for a cross-sector Project Expo in 2007. |
| 2 | Insufficient knowledge and experience in developing LFG recovery and use projects in M2M countries. | "Lessons learned" white paper on technical problems and solutions - A summary of key technical problems with developing LFG projects in developing countries, and how the problems have been addressed. | Developed template for Lessons learned: experiences, problems encountered, solutions, and associated cost. First Draft of Lessons Learned on "Conducting a successful Landfill Gas Pump Test" issued for comments. | Continue to develop additional "Lessons Learned" white papers on topics suggested by the subcommittee members. |
| 3 | Difficult access to existing LFG documents, tools, and resources. | Develop bibliography and provide links to existing documents, tools, and resources. | Implemented M2M Web site link to articles, case studies and existing feasibility and pre-feasibility studies. | Solicit additional documents and resources from subcommittee members. |

Action Plan (2 of 2)

| ITEM | BARRIER | ACTION | STATUS AT THE END OF THE FIRST YEAR | SECOND YEAR PLANNED ACTIONS |
|------|--|--|---|---|
| 4 | Insufficient Identification of suitable landfills in M2M countries for potential LFG project assessment and development. | Develop list of possible LFG project development opportunities. | Landfill subcommittee is developing a template for countries to use in submitting landfills for potential evaluation. | Finalize the template and issue request to Countries Member to submit 10 candidate landfills. Candidate Landfill list will be made available on the Web to the partnership to facilitate LFG project opportunity evaluation. |
| 5 | Lack of financing or capacity to obtain financing for LFG projects. | Provide information and guidance to help overcome financial barriers. | LF subcommittee supported the cross-sector finance session at the Steering committee meeting in Buenos Aires (Nov 3, 2005) with two speakers on LFG case studies. | Support the establishment of a cross sector finance task force. |

Steering Committee Charges and Outcomes from November Meeting(1 of 3)

- **Charge 1:** Move from a global to a country specific focus to encourage project collaboration among Partners and the Project Network, targeting concrete activities.
 - Country Profiles
 - List of candidate landfills
 - International Landfill Database
 - Project Expo 2007
 - Lessons Learned
 - Bibliography

Steering Committee Charges and Outcomes from November Meeting (2 of 3)

- **Charge 2:** Identify one or two representatives to serve on the Project Expo Task Force
- **Charge 3:** Identify priority documents and languages for translation.

Steering Committee Charges and Outcomes from November Meeting(3 of 3)

- **Charge 4:** Define and track M2M-supported projects
- **Charge 5:** Expand outreach and communications to broaden Project Network membership and participation.
- **Charge 6:** Encourage the use of the Project Submission Form

Aim of the meeting of today

- Present and discuss the status of the activities of the landfill subcommittee
- Update our Action Plan to fulfill the Steering Committee charges