



Methane to Markets Partnership Expo
New Delhi, India • 2–5 March 2010

Second Methane to Markets Partnership Expo

Update for Landfill Subcommittee
September 21, 2009



सत्यमेव जयते



FICCI

Federation of Indian Chambers
of Commerce and Industry





Methane to Markets Partnership Expo

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Goals of the Expo

- *To be the premier international forum on methane reduction project development*
- *To showcase potential methane projects seeking assistance and highlight successful projects in M2M Partner Countries around the world*
- *To raise awareness amongst international policy makers on the importance of methane in addressing global warming*
- *To offer high quality technical and policy training sessions and convene a full meeting of the Partnership.*





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Logistics

Dates: 2 – 5 March 2010
Location: New Delhi, India
Venue: Taj Palace Hotel





The First Partnership Expo

- Held in Beijing, China in October 2007
- More than 750 participants from 34 countries
- Methane project showcase included 91 potential projects from 11 countries- landfill sector comprised half of these projects
- High level plenaries, technical & policy sessions, site visits, and a full Partnership meeting





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Preliminary Agenda

- Day One (Tuesday, 2 March 2010)
 - Sector-Specific Site Tours
 - Steering Committee Meeting

- Day Two (Wednesday, 3 March 2010)
 - Opening Plenary
 - Steering Committee Meeting (con't)
 - Sector-Specific Breakouts
 - Grand Opening Reception in Exhibits Area





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Preliminary Agenda

- Day Three (Thursday, 4 March 2010)
 - Sector-Specific Breakouts (con't)
 - Steering Committee Meetings
- Day Four (Friday, 5 March 2010)
 - Closing Plenary Session: Steering Committee Report Out and Decisions
 - Sector-Specific Subcommittee Meetings





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Role of the Subcommittee in Expo Planning

- Identify and assist in data collection for potential projects to showcase, and provide updates to Beijing projects (when applicable)
- Develop Landfill technical agenda by publicizing call for presentations, reviewing abstracts, and serving a speakers or moderators
- Market the Expo in home countries
- Identify sponsors, technology vendors, and other attendees
- Coordinate sector representation in country booths
- Attend!





Methane to Markets Partnership Expo

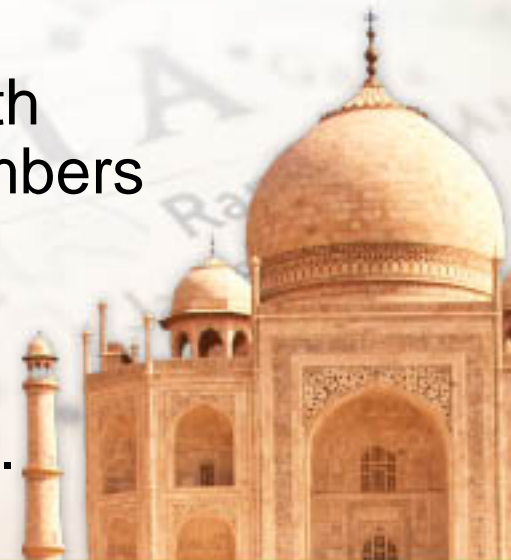
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Call for Projects

- Announced in July 2009. Sector-specific project templates can be downloaded from Expo Web site.
- Undeveloped projects from Beijing Expo will be highlighted in New Delhi
- Templates due 15 November 2009.



- The ASG will work with Partners and PN members that submit project templates to develop posters that will be displayed at the Expo.





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Call For Presentations

- Announced in May 2009.
- The ASG has already received more than 25 abstracts.
- One-page abstracts due 30 October 2009.
- Subcommittees will review abstracts and select topics for technical and policy sessions.
- Potential presenters will be notified of abstract selection by 1 December 2009.
- Final presentations due 15 January 2010.





Landfill Technical Topics Discussed in January 2009 Meeting

- Cross-sector:
 - Biogas treatment/filtration technologies
 - Relationship of Methane to Markets and other global climate policies
 - Interconnecting with electric utilities
- Landfill-specific
 - Alternative uses (district heating, vehicle fuels)
 - Action items after a pre-feasibility study: Developing an RFP and how to review developer proposals for LFG projects
 - Leachate treatment/management



2007 Expo Landfill Technical Sessions

TUESDAY, 30 OCTOBER 2007

Welcome and Opening of Landfill Breakout Sessions

Mr. Xu Haiyun, China Ministry of Construction Atilio Savino and Mario Lazzeri, Landfill Technical Co-Chairs

Opportunities to Advance Landfill Methane Recovery Projects under the Methane to Markets Partnership. *Brian Guzzone, United States Environmental Protection Agency*

SESSION 1: New Developments in Estimating Landfill Methane Recovery

Practical Challenges in Producing Carbon Emission Reduction Credits from Landfill Gas Projects in the Developing World. *Steve Hamilton, SCS Energy*

Garbage in Garbage Out – Educating Stakeholders on how to Model and Interpret Landfill Biogas Results *Adrian Loening, Carbon Trade, Ltd.*

Evaluation of Landfill Gas Models Using Monitored Recovery from Projects in Latin America, China, and Eastern Europe *Alex Stege, SCS Engineers*

Improving Landfill Methane Recovery *Don Augenstein, IEM*



2007 Expo Landfill Technical Sessions

SESSION 2: Technical Perspectives on Transitioning Landfill Gas to Beneficial Use

Communicating Ideal Landfill Operating Conditions for Maximizing LFG Capture and Use
Peter Ho, EcoSecurities

Enhancing Gas Extraction and Pre-treatment From Small to Large Landfills
Graeme Alford, Landfill Gas and Power

Controlled Bioreactor Landfill Program at the Yolo County Central Landfill
Ramin Yazdani, Yolo County Public Works (California)



2007 Expo Landfill Technical Sessions

WEDNESDAY, 31 OCTOBER 2007

SESSION 3: Transitioning LFG to Beneficial Use: Technology Developments

Appropriate Business Conditions to Utilize Gas from Landfill for Power Generation

Gerhard Pirker, GE Energy

An Example of LFG to Truck Fuel in China *Dr. Wei Wang, Tsinghua University*

Brief Introduction of Landfill Gas Utilization Technology *Mr. Renxiong Ma, Institute of Engineering Thermophysics, Chinese Academy of Science*

Combined LFG Utilization at Xiaping Landfill (Shenzhen, China) *Louis Chan, Organic Waste Technologies, Ltd.*

SESSION 4: Landfill Methane Utilization Projects Lessons Learned

Preparing Landfill Gas Fuel for Use in Engine *Michael Devine, Caterpillar Asia Pacific Power System*

Case Studies from Operating and Planned LFG Projects in M2M Partner Countries *Dr. Markus Francke, Green Gas International, Ltd.*

Landfill Gas Exploitation for Electricity Production in China
Wen Guo, D'Appolonia S.p.A.



2007 Expo Landfill Technical Sessions

SESSION 5: Finding Carbon Finance for Landfill Methane Projects

The Global Carbon Markets to 2012 and Beyond *Li Xing, ICECAP Ltd.*

Carbon Finance in the Landfill Sector *Dai Yuran, TFS Energy*

A Landfill Operator's Perspective: Developing Landfill Gas Recovery / CDM Projects Internationally *Gary Crawford, Veolia Environmental Services*

Landfill Gas (LFG) Emission Reduction Purchase Agreements (ERPAs) in China, Case Study: Tianjin *Charles Peterson, The World Bank*

SESSION 6: Bringing Smaller Scale Landfill Biogas Projects to Market

Direct Discharge Leachate Evaporators *Andy Wang, Shaw LFG Specialties*

Landfill Biogas Technology Applications at Small Landfills *Brian Guzzone, U.S. Environmental Protection Agency*

Closing Remarks and Meeting Adjournment

THURSDAY, 1 NOVEMBER 2007

Landfill Subcommittee Committee Meeting





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Expo Marketing

- Print Pieces for Expo:
 - 2-page flyer
 - 8-page brochure (full electronic distribution October 2009) Booth Poster
- Poster for Conference Booth
- Advertisements for trade publications
- Online
 - Web Calendars (e.g., conferencealerts.com, International Energy Agency)
 - List Serves (e.g., Clean Air Initiative-Asia, World Business Council on Sustainable Development)





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Sponsorship and Exhibit Opportunities

- Sponsorship
 - Clarke Energy (Platinum)
 - Oil and Natural Gas Corporation (Grand Opening Reception)
- Plenary Assistance/Travel Support
 - Asian Development Bank
 - World Bank
- Additional sponsorship/exhibit opportunities available
- Partners receive free country booths



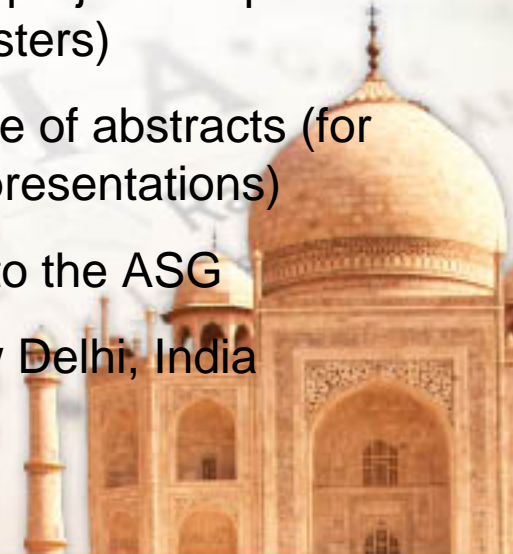


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Important Expo Dates

- | | |
|--------------------------|---|
| 30 October 2009: | Deadline for submittal of abstracts |
| November 2009: | Conference calls to review abstracts
(date TBD pending Subcommittee agreement) |
| 15 November 2009: | Deadline for submittal of project templates
(to be developed into posters) |
| 1 December 2009: | Notification of acceptance of abstracts (for development into Expo presentations) |
| 15 January 2010: | Final presentations due to the ASG |
| 2 – 5 March 2010: | Partnership Expo in New Delhi, India |





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For More Information and Marketing Materials:

Dedicated Expo Web site:

www.methanetomarkets.org/expo

www.methanetomarkets.org/m2m2009/expo

Methane to Markets'
Administrative Support Group (ASG):

asg@methanetomarkets.org





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*Please use this opportunity to build support
for methane projects in your country!*

