

Oil & Gas Subcommittee Progress Report

**Steering Committee Meeting
Vancouver, BC**

*Javier Bocanegra (Mexico) and
Michael Layer (Canada),
Subcommittee Co-Chairs*



Overview

- Activities since October 2011
 - Denver Highlights
- Next Steps
- Updates on any notable country activities since October 2011

Subcommittee Activities Since October 2011

- **Denver Meeting Highlights (April 2012)**
 - Honored Mr. Hazarika of Oil and Natural Gas Corporation of India (ONGC)
 - Stepped down as subcommittee member
 - Climate and Clean Air Coalition (CCAC) launch
 - U.S. State Department provided facts and overall objectives of the Initiative
 - Subcommittee and ASG committed to working collaboratively
 - Meeting Attendees
 - Representatives from Ghana and Norway participated in their first subcommittee meeting



Subcommittee Activities Since October 2011 *(continued)*

- GMI participated in numerous oil and gas activities & workshops in Partner Countries
 - *Second Pacific Energy Summit*
 - *Society of Petroleum Engineer's 2011 Asia Pacific Oil & Gas Conference and Exhibition and GMI's First Asia Pacific Oil and Gas Technical Workshop*
 - *Global Gas Flaring Reduction (GGFR) Partnership Workshops*
 - *GMI Partner countries actively developing first oil & gas industry NAMAs*
 - *Demonstrates GMI capacity for development of technical & policy solutions*

Subcommittee Activities Since October 2011 (*continued*)

- Client Relationship Management (CRM)
 - Continued work on this to track and promote:
 - Program activities, training, and meetings
 - Memorialize emissions reductions

Next Steps

- Next Subcommittee Meeting
 - Fall 2013
- Next Steps
 - O&G Subcommittee delegates will look for opportunities to work with CCAC and advance Nationally Appropriate Mitigation Action (NAMAs) Plan development
 - Continue the development and use of the CRM
 - Design and execute workshops in Partner Countries and elsewhere

Appendix: Example Activities by Country (continued)

- **Canada**
 - Working collaboratively with EcoPetrol and Pemex on bottom-up measurement based NAMA Plans to verifiably manage methane, black carbon, energy efficiency & compliance with emerging policy and regulations
 - R&D to develop and test technologies & methods for domestic & international deployment
 - Supporting the transfer of methane & black carbon measurement & reduction capacity to the CCAC oil & gas priority objectives

- **Colombia**
 - EcoPetrol is currently working with U.S. EPA and Environment Canada to advance their overall strategies to reduce emissions and develop NAMA Plan

- **India**
 - Continuing to make considerable progress to advance emissions management program through leak surveys and measurement, emissions reduction activities, and capacity building and action planning
 - ONGC and Gas Authority India Limited (GAIL) are Natural Gas STAR International Partners

- **Indonesia**
 - Star Energy (a Natural Gas STAR International Program) noted that Indonesia has a goal to reduce emissions 26 percent by 2020 and eliminate gas flaring by 2025.

Appendix: Example Activities by Country (continued)

- **Mexico**

- Pemex is currently working with U.S. EPA and Environment Canada to advance their overall strategies to reduce emissions. Completed several measurement studies and supportive training. This work will feed into broader efforts to include NAMA Plan development.
- Participated in GGFR and GMI organized joint workshop addressing flaring, venting, and fugitive emissions in PEMEX installations; 4-day methane emission measurement study combined with a 1-day training session for 35 people from PEMEX Exploration and Production

- **Norway**

- Statoil managing methane emissions and further, Statoil is considering joining Natural Gas STAR International

- **Ukraine**

- Cherkasytransgas continues to identify and repair leaks. Their efforts are supported by laboratory staff looking at leak identification and prevention practices. Management staff are also evaluating their efforts and next steps for their emissions reduction program
- The experiences of peer companies in Europe and the United States (as presented at GMI events) will influence their future practices

Appendix: Example Activities by Country (continued)

United States

- Study tour Representatives from Russia's Gazprom, India's ONGC, Argentina's Empresa Nacional Del Petróleo and Sipetrol, and China's China National Petroleum Corporation (CNPC)
- Measurement studies in GMI Partner Countries to include China, Mexico, and India
- Assisted a subsidiary company of CNPC to purchase leak detection and measurement equipment and establish a CNPC methane emissions reduction team
- Conducted workshops and outreach meetings with oil and gas companies around the world in GMI partner countries and elsewhere-China, Colombia, Indonesia, Russia, Ukraine and throughout the Middle East
- Future efforts will be undertake in China, India, Indonesia, Mexico, Russia, and Ukraine