

Oil & Gas Subcommittee Progress Report

**Steering Committee Meeting
12-13 October 2011**

Krakow, Poland

Chairs Dr. Kaplan Basniev (Russia),
Javier Bocanegra Reyes (Mexico),
and Michael Layer (Canada)

Overview

- Action Items from November 2010 and June 2011 Meetings
- Activities Since November 2010 and June 2011 Meetings
- Appendix: Activities by Country

Action Items from November 2010 and June 2011 Meetings

- ASG is seeking to revise the country-specific action plan template. Requested Subcommittee and Project Network members provide comments and ideas.
- ASG requested that Subcommittee members continue exploring linkages to other international activities and partnerships and support them.
- ASG requested Subcommittee members come to next meeting with a list of barriers and/or issues facing the industry for discussion.

Action Items from November 2010 and June 2011 Meetings (*continued*)

- ASG is seeking new content for redesigned website. Requests that Subcommittee and PN members provide content to ASG on an ongoing basis.
- ASG requested Subcommittee members come to next meeting with a list of potential work products that members would be willing to develop and support.

Subcommittee Activities Since November 2010 and June 2011

- GMI welcomed Nicaragua, Turkey, Indonesia, Serbia, Peru, and Jordan as new members. *Delegates from Indonesia, Peru and Turkey joined the Oil and Gas Subcommittee.*
- Subcommittee discussed current leadership and asked if any delegates were interested in leadership positions or providing recommendations for these positions. *It was agreed that this would be an ongoing discussion.*

Subcommittee Activities Since November 2010 and June 2011 *(continued)*

- Subcommittee received update from the World Bank on its effort to reduce gas flaring and venting through policy change, stakeholder facilitation and project implementation. *Subcommittee and World Bank agreed to leverage collaborative work in the future.*
- Subcommittee discussed comprehensive country-specific action plans and encouraged everyone to review and comment on draft guidance. *Comments were provided on 30 June.*

Subcommittee Activities Since November 2010 and June 2011 *(continued)*

- Subcommittee supported rebranding activities. *Provided input on O&G fact sheet*
- Subcommittee is moving forward with plans for next EXPO. *As called on, Subcommittee is supporting preparatory activities.*

Appendix: Activities by Country

- **Canada**
 - Continued to focus on multilateral initiatives and working collaboratively with the United States in China and Mexico.
 - Measurement studies
 - Program management
 - Capacity building (workshops and hands-on training)

Appendix: Activities by Country (continued)

■ **India**

- ONGC 2010 Natural Gas STAR International Partner of the Year.
- Participated in a U.S. hosted Study Tour (as hosted by Chevron, Occidental, and ConocoPhillips).
- Continued to make progress advancing GHG management program, both at the operational and board-room levels.
 - Continue expanding emission reduction activities
- ONGC has an ambitious emissions reduction program.
 - “Sustainable growth and development” is the overarching goal.
- Second India-based oil and gas company, GAIL Ltd., has joined Natural Gas STAR International
 - Measurement study August 2011



Appendix: Activities by Country (continued)

■ **Indonesia**

- Indonesia Petroleum Association hosted several technology transfer events that included information on methane emission reduction projects
- Presented methane emission reduction paper at Society of Petroleum Engineers conference
- STAR Energy joined the Natural Gas STAR International partnership

Appendix: Activities by Country (continued)

■ **Italy**

- Supporting oil and gas subcommittee at Krakow event
- ENI participating in GGFR and GMI events focused on flare and vent reductions
 - Actively evaluating methane emissions from operations

Appendix: Activities by Country (continued)

■ **Mexico**

- Working collaboratively with the U.S. and Canada, PEMEX has completed several on and offshore field measurement campaigns and is looking at the results for possible project opportunities to meet its emission reduction commitment.
 - Mexico now has data showing the environmental and economic importance of emission reductions.
- Established internal measurement teams to support overall corporate commitment towards emission reductions.
- Gas Flaring and Venting Measurement Workshop, co-sponsored by GGFR and GMI.

Appendix: Activities by Country (continued)

■ **Poland**

- Hosting Partnership-wide meeting.
- Gaz-Systems hosted site tour at compressor station and an accredited laboratory in Pogórska Wola.
- Gaz-Systems continues to evaluate the results of its GHG emissions inventory and supportive emissions factors.
- Looking at flaring and venting activities in anticipation of bringing forward a project opportunity.

Appendix: Activities by Country (continued)

■ **Russia**

- Working with grant to study and better characterize methane emissions from transmission operations
- Hosted workshop on accounting and control of methane emissions in the Russian Gas sector
- Delivered paper to IGU on methane reduction activities, including pipeline pumpdown

Appendix: Activities by Country (continued)

■ **Ukraine**

- National transmission company has formed methane emission leak detection and measurement teams
- Hosted detection and measurement training workshop in June, 2011
- Actively seeking to minimized methane emissions from transmission system

Appendix: Activities by Country (continued)

■ **United States**

- Actively providing technical support to Argentina, Chile, China, Colombia, India, Mexico, Poland, Russia, and Ukraine-based oil and gas companies to identify, analyze, promote, and anticipate methane emission reductions from identified project opportunities.
- Participated in workshops in China, Indonesia, Mexico, Russia, and Ukraine.
- Hosted Study Tours designed to link participants from Gazprom, ONGC and ENAP Sipetrol with technology vendors and peer companies that have implemented emissions reduction technologies.
- Conducted measurement study for new Gas STAR Partner GAIL of India

Appendix: Activities by Country (continued)

■ **United States (continued)**

- Attended the National Bureau of Asian Research Pacific Energy Summit and presented at the Indonesian Petroleum Association Annual Convention and SPE Conference.
- Natural Gas STAR 2010 Reductions:
 - Domestic partners - 94.1 Bcf
 - International partners - 6.8 Bcf
- Conducted tech transfer event with Centro de Tecnologia de Gas, research institute that works with the Colombian transmission and distribution sector
- Sponsored measurement study training event in Ukraine