

PLACE AND DATE

Salon Monserrate, Hotel Tequendama Intercontinental
Bogotá, D.C., Colombia
October 6 and 7, 2005

REGISTRATION

Please, contact Ms. Adriana Ojeda:
Adriana_Ojeda@oxy.com or (571) 628 8151
Registration is open until September 15, 2005.

For additional information consult:

<http://www.methanetomarkets.org>

*Methane
to
Markets*



Empresa Colombiana de Petróleos

Naturgas

Asociación Colombiana de Gas Natural



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**1st INTERNATIONAL WORKSHOP
OIL & GAS - COLOMBIA**



October 6 and 7, 2005
Bogotá, Colombia



Libertad y Orden

**Ministerio de Minas
y Energía**

República de Colombia



Libertad y Orden

**Ministerio de Ambiente, Vivienda
y Desarrollo Territorial**

República de Colombia



United States Environmental Protection Agency



Occidental Oil & Gas Corporation



INTRODUCTION

Due to accumulation of carbon dioxide, methane and other greenhouse gases in the atmosphere, the scientific evidence of the human impact on the climate is widely accepted. Methane is 21 times as potent a greenhouse gas as carbon dioxide; therefore, reducing methane emissions has a stronger positive effect on global warming than carbon dioxide. Methane is also the primary constituent of natural gas; therefore methane recovered and not emitted to the atmosphere can often times be sold at a profit.

METHANE TO MARKETS

On November 16, 2004, the Colombian Government, represented by the Ministry of the Environment, Housing and Territorial Development, along with 13 other nations, joined the methane to markets partnership. Methane to markets is a voluntary initiative aimed at implementing cost-effective ways to reduce methane emissions from landfills, mining activities and the oil and natural gas industry.

The primary objective of this initiative is to identify and implement cost-effective methane emissions reduction projects.

WORKSHOP OBJECTIVES

Deliver a series of presentations by oil and natural gas experts to help companies identify technologies and techniques to cost-effectively reduce methane emissions from their operations.

LECTURERS

- Ministry of Mines and Energy of Colombia.
- Ministry of the Environment, Housing and Territorial Development of Colombia.
- United States Environmental Protection Agency (EPA).
- European Commission.
- World Bank.

ATTENDEES:

Production and environmental managers from oil and natural gas companies of the methane to markets partners, Argentina, Brazil, Colombia and Mexico, along with other neighboring countries.



Wednesday, October 5th

Registration	N/A	16:30 - 18:30
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Thursday, October 6th

Registration	N/A	7:00 - 8:00
Welcome - introduction	<ul style="list-style-type: none"> • U.S. Ambassador to Colombia (invited) • Minister of Mines & Energy • Minister of Environment, Housing and Territorial Development • United States Environmental Protection Agency (EPA) • Occidental Oil & Gas Corporation 	8:00 - 9:00
Scope of the methane to markets initiative	Erin Birgfeld EPA	9:00 - 9:30
Coffee break		9:30 - 10:00
Colombia's position on the methane to markets initiative	Colombian Ministry of Mines & Energy and Ministry of Environment, Housing and Territorial Development	10:00 - 11:00
Technical lectures - opportunities for methane reductions: Production <ul style="list-style-type: none"> • Natural gas industry methane emissions overview (what's the problem?) • Reduced emission well completions (green Completions) • Smart - well automation • Successful projects: Central/South America 	United States Environmental Protection Agency (EPA)	11:00 - 12:00
Lunch		12:00 - 13:00
Technical lectures - opportunities for methane emission reductions: All sectors <ul style="list-style-type: none"> • Pneumatic devices • Vapor recovery • Dehydrators • Successful projects: Central/South America 	United States Environmental Protection Agency (EPA)	13:00 - 14:30
Successful oil and gas sector methane emissions reduction project case study	ChevronTexaco	14:30 - 15:00
Questions and discussions	All	15:00 - 15:30
Coffee break		15:30 - 16:00



Technical lectures - opportunities for methane emission reductions: All sectors <ul style="list-style-type: none"> • Directed inspection and maintenance includes optical imaging (successful industry projects) • Compressors includes seals & best operating Practices • Successful projects: Central/South America 	United States Environmental Protection Agency (EPA)	16:00 - 18:00
Dinner government officials		19:30

Friday, October 7th

Technical lectures - opportunities for methane emission reduction: Pipeline maintenance & repair <ul style="list-style-type: none"> • Using hot taps for in service pipeline connections • Using pipeline pump-down techniques to lower gas line pressure before maintenance • On-line pipeline repair: composite wrap • Successful projects: Central/South America 	United States Environmental Protection Agency (EPA)	8:00 - 8:30
Questions and discussion	All	8:30 - 9:00

Available financial incentives:

• Clean development mechanism	Colombian Ministry of Environment, Housing and Territorial Development	9:00 - 9:30
Coffee break		9:30 - 10:00
• Emission trading	European Commission	10:00 - 10:30
• World Bank prototype carbon fund and another WB funds	World Bank	10:30 - 11:00
• Current incentives in the Colombian law for methane reduction projects	Colombian Ministry of Mines & Energy	11:00 - 11:30
Lunch closure	<ul style="list-style-type: none"> • U.S. Ambassador to Colombia (invited) • Minister of Mines & Energy • Minister of Environment, Housing and Territorial Development • United States Environmental Protection Agency (EPA) • Occidental Oil & Gas Corporation 	11:30 - 13:00

