



Methane to Markets

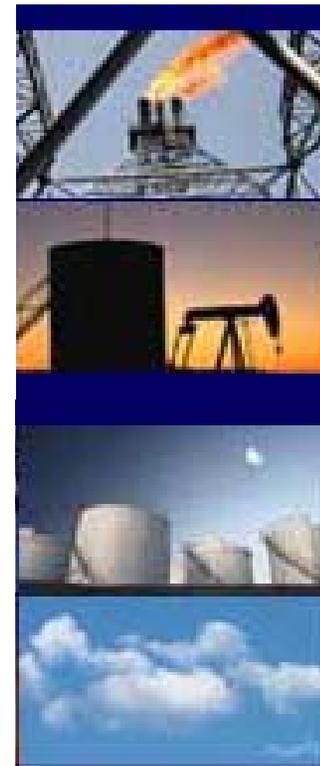
Nodal Analysis of Oil and Gas Industry
Methane Emission Reduction Opportunities
and Projects

Aberdeen, Scotland

May 1, 2007

Overview

- Background
- Objectives
- Nodal Analysis Demonstration



Background

- September 2005
 - first meeting of the Methane-to-Markets (M2M) Oil and Gas Technical Subcommittee
- Well attended by a broad representation of
 - M2M Partner Country Subcommittee delegates
 - Oil and Gas Industry representatives
 - Service and Technology providers
 - Government Departments & Agencies

Background

- “The main purpose of Oil and Gas Subcommittee activities is to **locate** and **promote** methane emissions **reduction** and **utilization** projects in the oil and gas sector”

Background

- Discussion soon indicated that:
 - The broad range of methane emission reduction opportunities in the Oil and Gas Production, Transmission and distribution sectors is not widely understood
 - The technically complex and highly integrated nature of the industry often made detailed discussion among individuals of varying experience or understanding difficult

Background

- Meeting participants represented a broad range of objectives:
- Some had clear and broad understanding of opportunities
 - M2M Partner Country Delegates
 - Technology and Service Providers
 - Industry Practitioners
 - Government Departments & Agencies

Background

- Some understood less or often little about the broader industry opportunities and asked to be made aware of technical resources
 - Partner Country Delegates
 - Technology and Service Providers
 - Industry Practitioners
 - Government Departments & Agencies

Background

- Canada suggested the development of an interactive Web-based Nodal Analysis of the Oil and Gas to:
 - serve as a useful information source and learning tool for individuals not familiar with the industry or wishing to learn more about a specific part of the industry and project opportunities

Background

The Nodal Analysis Tool will:

- provide a high-level flow diagram showing how the different types of facilities and parts of the industry relate to each other
- will feature a built-in glossary of key terminology, background information on the types and magnitude of methane reduction opportunities
- dropdown lists of project opportunities

Background

- The user will be able to:
 - navigate down to different levels of detail
 - utilize pop-up utilities and hyperlinks to address relevant questions that they may have
- The utility will be useful to those who are unfamiliar with the oil and gas industry, as well as the more sophisticated users

Objective

- Provide an oil and gas methane emissions reduction project information management tool and tracking utility
- Incorporated into the international Methane-to-Markets Partnership web site

Objective

- Provide interactive means of identifying methane emissions reduction project opportunities
- Learning resource to describe the oil and gas industry and the types of cost-effective methane emission reduction opportunities that the industry offers

Objective

- Design Audience
 - industry practitioners
 - technology vendors
 - capital market fund managers
 - government decision makers
 - industry regulators

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