

U.S. Government's Methane to Markets Contribution



Roma, Italy

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U.S. Activities

- U.S. methane emissions reduction opportunities/projects are analyzed at the private company level.
- Successful projects are tracked and accounted for by the USEPA Natural Gas STAR Program.
- U.S. oil and gas companies reduced methane emissions by approximately 100 billion cubic feet or 3.5 billion cubic meters in 2007.



U.S. Activities

- Technical resources include over 80 technical documents on cost effective methane emissions reduction technologies and practices.
 - *Lessons Learned*, fact sheets about partner reported opportunities (PROs)
 - Detailed information on methane emissions factors
 - Implementation case studies, online tools, quarterly technical Natural Gas STAR newsletter, and related reports at: epa.gov/gasstar/resources.htm.



U.S. Activities

- The Natural Gas STAR Program and U.S. contribution to the Methane to Markets Partnership hosts over 10 onsite and online Technology Transfer Workshops focused on methane emission reductions from the oil and gas industry.
 - Detailed information on the workshops is posted at: epa.gov/gasstar/workshops/tt_workshops.htm and at methanetomarkets.org.
- U.S. DOE is working with climate change project finance banks and companies to promote oil and gas methane emissions reduction projects opportunities.



U.S. Cooperative Activities

- 1) Two major on-going pre/feasibility studies in China in partnership with the China National Petroleum Corporation, CNOOC, SinoPec, and the National Petroleum University, with two completed in 2007.
- 2) Completed a compressor feasibility study with Pemex in Mexico. The study resulted in Pemex upgrading several compressors. The United States will continue ongoing pre/feasibility work with Pemex gas processing, production and pipeline divisions.
- 3) Four-year gas transmission and distribution project development initiative in Ukraine.



U.S. Cooperative Activities

- 4) Completed a compressor station and methane leak detection/measurement studies for the Kyrgyz Republic Gas Pipeline.
- 5) Completed a detailed study of methane emissions reduction opportunities to reduce methane emissions at a major oil terminal in Colombia.
- 6) Engaged in detailed analysis of methane emissions reduction project analysis work with ONGC in India.
- 7) Continued cooperation with Government of Canada on the Nodal Analysis tool.



Thank you