

Coal Subcommittee Co-Chair Report: Action Items for the Year

Geneva, Switzerland

November 19-20, 2013

U.S. Environmental Protection Agency



Updated: Flaring Policy White Paper

- Discusses Coal Subcommittee's policy on flaring as an abatement option
- Developed in response to Steering Committee/ASG request to investigate mitigation-only of drained gas through flaring
- Project considerations and economic feasibility: Comparison of CMM use and flaring
 - Economic or technical barriers to installing CMM end-use projects, “stranded” gas, remote from either electric or natural gas transmission lines
- When to flare?
 - Flaring-only of drained CMM is most appropriate where the gas is low-quality (e.g., <40% methane) and energy recovery is infeasible because the gas is not needed onsite or is not accessible to energy markets
 - Option of last resort for drained CMM, as CMM energy recovery more desirable where feasible
 - Flaring of high-quality CMM (>85%) is not encouraged.
 - Flaring ideal as component of integrated overall end-use project to mitigate excess methane that would not otherwise be used

https://www.globalmethane.org/documents/toolsres_coal_flaring.pdf

CMM Technology Database

- Originally compiled in 2008 by Australia's Department of Industry, Tourism and Resources, on behalf of GMI
- Updated and revised in November, 2011 by USEPA
- Provides basic descriptions of several key technologies applicable to CMM recovery and utilization
 - Current status
 - Commercial availability
- Intended to be a living document, which will be periodically updated to remain current
- Updates to the database can be sent to the Administrative Support Group at asg@globalmethane.org

https://www.globalmethane.org/documents/partners_cmm_tech_database.pdf

www.globalmethane.org

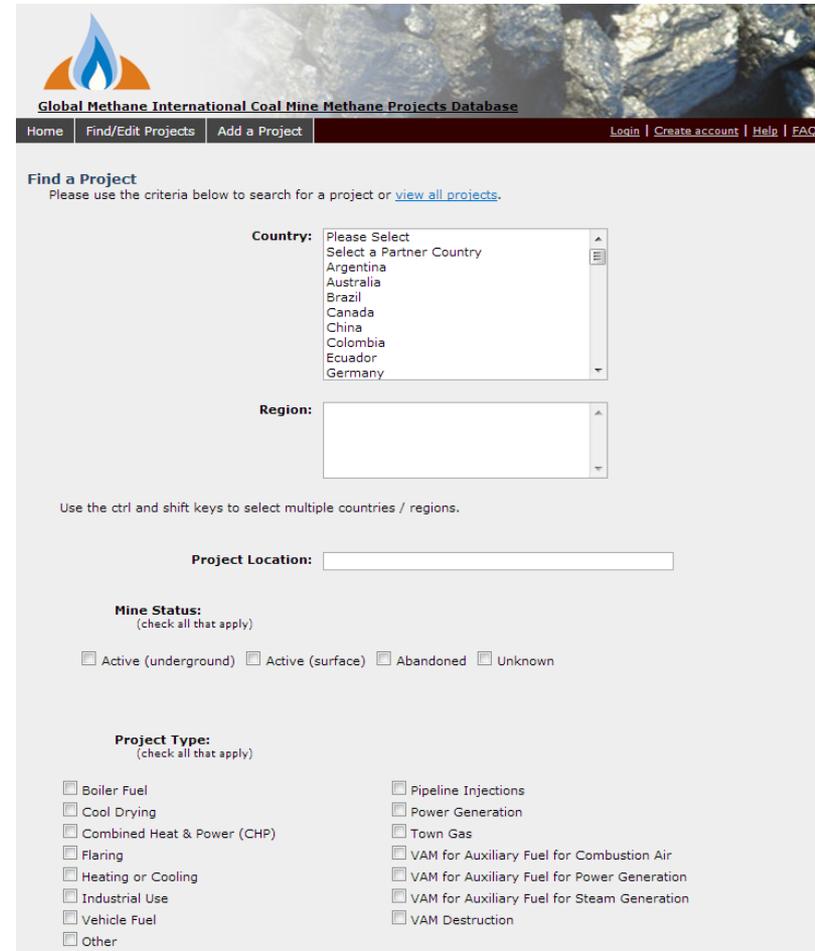


International CMM Project Database

- Developed by USEPA in 2005 and updated regularly
- Information on over 200 CMM recovery and utilization projects
- Coal Subcommittee encourages anyone with project knowledge to submit a project or additional information on already listed projects

<http://www2.ergweb.com/cmm/index.aspx>

www.globalmethane.org



The screenshot shows the search interface for the Global Methane International Coal Mine Methane Projects Database. At the top, there is a logo with a blue flame and the text "Global Methane International Coal Mine Methane Projects Database". Below the logo is a navigation bar with links for "Home", "Find/Edit Projects", "Add a Project", "Login", "Create account", "Help", and "FAQ".

The main section is titled "Find a Project" and includes the instruction: "Please use the criteria below to search for a project or [view all projects](#)." Below this are several search criteria:

- Country:** A dropdown menu with the text "Please Select" and "Select a Partner Country". The list of countries includes Argentina, Australia, Brazil, Canada, China, Colombia, Ecuador, and Germany.
- Region:** An empty dropdown menu.
- Project Location:** A text input field.
- Mine Status:** A section with the instruction "(check all that apply)" and four radio button options: "Active (underground)", "Active (surface)", "Abandoned", and "Unknown".
- Project Type:** A section with the instruction "(check all that apply)" and two columns of checkbox options:
 - Boiler Fuel
 - Cool Drying
 - Combined Heat & Power (CHP)
 - Flaring
 - Heating or Cooling
 - Industrial Use
 - Vehicle Fuel
 - Other
 - Pipeline Injections
 - Power Generation
 - Town Gas
 - VAM for Auxiliary Fuel for Combustion Air
 - VAM for Auxiliary Fuel for Power Generation
 - VAM for Auxiliary Fuel for Steam Generation
 - VAM Destruction



CMM Country Profiles

- Originally developed in 2006, and updated in December 2010
- Individual, comprehensive profiles that characterize coal and CMM sectors of 37 countries
 - 29 GMI partners
 - Additional 8 coal-producing nations
- Executive Summary provides summary tables that include statistics on coal reserves, coal production, methane emissions, and CMM project activity
- Select profiles to be updated in 2014

https://www.globalmethane.org/tools-resources/coal_overview.aspx

www.globalmethane.org



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Coal Mine Methane Country Profiles

This is the third edition of the Coal Mine Methane Country Profiles (formerly the Coal Mine Methane Global Overview), updated in December 2010. This document contains individual, comprehensive profiles that characterize the coal and coal mine methane sectors of 37 countries—29 Global Methane Initiative partners and an additional eight coal-producing nations. The Executive Summary provides summary tables that include statistics on coal reserves, coal production, methane emissions, and CMM project activity.

An International Coal Mine Methane Projects Database  accompanies this document. It contains detailed and comprehensive information on more than 200 CMM recovery and utilization projects around the world. Project information in the database is updated regularly.

This document will be updated annually. Suggestions for updates and revisions can be submitted to the Administrative Support Group and will be incorporated into the document as appropriate.

You will need Adobe Acrobat Reader, available as a free download, to view some of the files on this page. See the PDF page to learn more about PDF, and for a link to the free Acrobat Reader.

Complete document (PDF, 342 pp, 5.8 MB)

TOC, Executive Summary, and Introduction (PDF, 29 pp, 417 KB)

Chapter 1: Argentina (PDF, 7 pp, 144 KB)*
Chapter 2: Australia (PDF, 11 pp, 197 KB)*
Chapter 3: Botswana (PDF, 6 pp, 131 KB)
Chapter 4: Brazil (PDF, 9 pp, 175 KB)*
Chapter 5: Bulgaria (PDF, 6 pp, 127 KB)*
Chapter 6: Canada (PDF, 14 pp, 419 KB)*
Chapter 7: China (PDF, 12 pp, 236 KB)*
Chapter 8: Colombia (PDF, 9 pp, 240 KB)*
Chapter 9: Czech Republic (PDF, 9 pp, 320 KB)
Chapter 10: Ecuador (PDF, 4 pp, 147 KB)*
Chapter 11: Finland (PDF, 3 pp, 117 KB)*
Chapter 12: France (PDF, 5 pp, 129 KB)
Chapter 13: Georgia (PDF, 6 pp, 216 KB)*
Chapter 14: Germany (PDF, 8 pp, 268 KB)*
Chapter 15: Hungary (PDF, 7 pp, 217 KB)
Chapter 16: India (PDF, 12 pp, 207 KB)*
Chapter 17: Indonesia (PDF, 9 pp, 409 KB)*
Chapter 18: Italy (PDF, 7 pp, 166 KB)*
Chapter 19: Japan (PDF, 5 pp, 192 KB)*
Chapter 20: Kazakhstan (PDF, 8 pp, 237 KB)*
Chapter 21: Mexico (PDF, 11 pp, 226 KB)*

Chapter 22: Mongolia (PDF, 11 pp, 219 KB)*

Chapter 23: New Zealand (PDF, 7 pp, 173 KB)

Chapter 24: Nigeria (PDF, 7 pp, 177 KB)*

Chapter 25: Pakistan (PDF, 7 pp, 169 KB)*

Chapter 26: Philippines (PDF, 8 pp, 238 KB)*

Chapter 27: Poland (PDF, 9 pp, 231 KB)*

Chapter 28: Republic of Korea (PDF, 7 pp, 307 KB)*

Chapter 29: Romania (PDF, 8 pp, 224 KB)

Chapter 30: Russia (PDF, 11 pp, 275 KB)*

Chapter 31: South Africa (PDF, 12 pp, 236 KB)

Chapter 32: Spain (PDF, 6 pp, 152 KB)

Chapter 33: Turkey (PDF, 6 pp, 221 KB)*

Chapter 34: Ukraine (PDF, 11 pp, 253 KB)*

Chapter 35: United Kingdom (PDF, 14 pp, 362 KB)*

Chapter 36: United States (PDF, 15 pp, 425 KB)*

Chapter 37: Vietnam (PDF, 6 pp, 151 KB)*

* Global Methane Initiative member country



Coal Subcommittee Action Plan

- Intended to be a living document, updated on an ongoing basis to reflect new projects/activities undertaken
- Outlines activities that will help to develop and disseminate general information about opportunities for CMM project development and address key barriers, including lack of:
 - information, technology and technical knowledge, demonstration for project feasibility, and financing or financing capacity
- Promotes cooperation among Partners and Project Network
- Identifies ways for Subcommittee to understand needs and priorities of individual Partner countries

https://www.globalmethane.org/documents/coal_actionplan_0506.pdf

2014 Partnership-wide Meeting

- 10 Year Anniversary of the Global Methane Initiative
- Meeting to highlight ongoing success of all sectors: agriculture, coal, municipal landfills, oil & gas, wastewater
- Three days of technical and policy sessions featuring government and industry speakers

We ask YOU to join our Task Force to assist with agenda development/speaker identification for the COAL sessions!

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www.globalmethane.org

