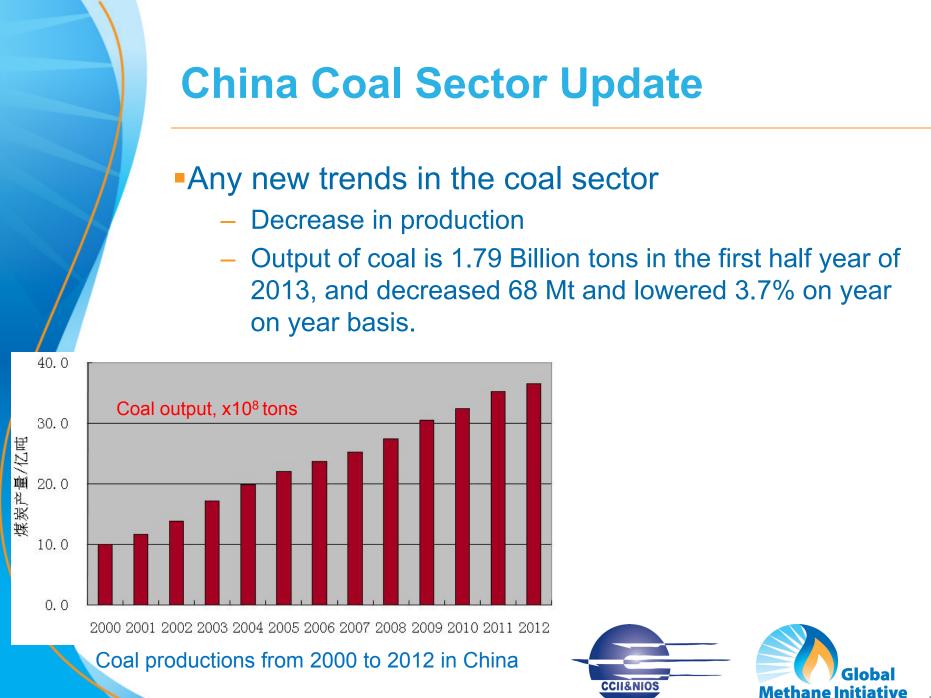
China Coal Sector Update to the 18th Session of the Global Methane Initiative (GMI) Coal Subcommittee

19-20 November 2013 China Coal Information Institute







- Any new trends in the coal sector
 - Emissions
 - Emission from Ventilation air methane
 - The emission volume of VAM in China is about 20 billion m³ in 2012.
 - Emission from Unutilized CMM
 - The emission volume of unutilized CMM in China is about 7.65 billion m³ in 2012.



- Regulatory Update
 - New and/or changes to existing laws, regulations, or incentives
 - Guideline on further speed up the CBM/CMM exploitation and utilization issued by General Office of the State Council in China in Sep. 22, 2013.
 - Increase Government Directional Support
 - Increase indirect Financial Incentives
 - Encourage Private Capital Invest CBM
 - Market pricing Mechanism
 - Encourage CBM/CMM to Power



- Specific project updates
- Comprehensive Utilization of Low Quality CMM and VAM
 - Xingbianfumin Cleaner Energy Company plans to invest 3.6 Billion RMB for Lu'an Mining Group, Yangquan Mining Group, Shanxi Coal Import & Export Group Co., Ltd. to reform ventilation shaft and construct power plant with 340 Mw by comprehensive Utilization of Low Quality CMM and VAM in September, 2013.



- Specific project updates
- CMM Recovery from Abandoned Coal Mines
 - One CMM Company in Shanxi Province carried out CMM recovery Project from Abandoned Coal Mines in October, 2013.
 - This is one significant breakthrough for Abandoned Mine Methane recovery in China
 - The concentration of Abandoned Mine Methane can reach 60%.



Specific project updates

CCII organized 2013 13th International Symposium on CBM/CMM and Shale Gas at Landmark Hotel in Beijing on 24-25 October.



Methane Initiative

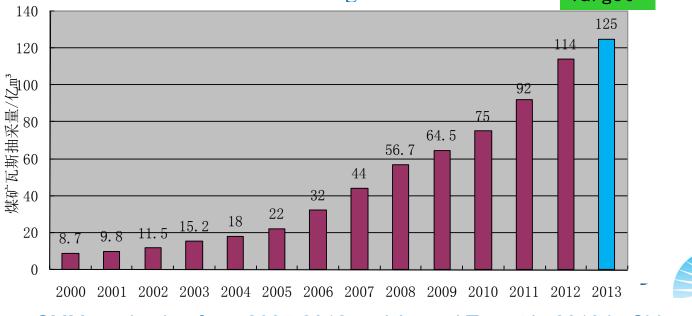
CMM Project Outlook

- Anticipated or planned projects
 - Low Quality CMM Utilization (Concentration < 30%) :Enrichment and purification with PSA for civil use or power
 - Comprehensive Utilization Project of Low Quality CMM and VAM
 - Recovery and Utilization of Abandoned Coal Mines
- Infrastructure development
- CBM/CMM Transportation by Pipeline
 - 5 CBM/CMM pipelines have been built, and transportation capacity is 10.2 B m³.
 - 3 CBM/CMM pipelines are under construction, and transportation capacity is 3.4 B m³.



China Coal Sector Methane Action Plan

- Status of Coal Sector Methane Action Plan development
- CMM drainage
 - CMM drainage increased from 2.2 billion in 2005 to 11.4 billion m³ in 2012.
 - CMM output is 6.09 B m³ in the first half year of 2013and finishes
 48.7% of annual target.
 Target



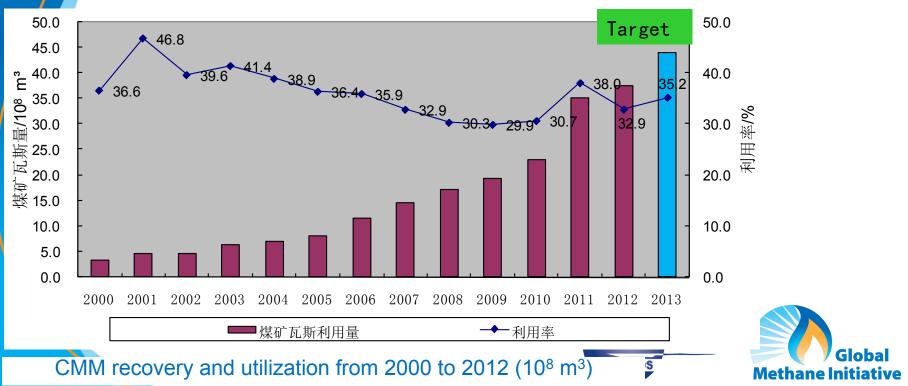


CMM production from 2005-2012 and Annual Target in 2013 in China

China Coal Sector Methane Action Plan

CMM utilization

- The volume of CMM utilization are 3.75 billion m³ in 2012, and utilization rate is 32.9%. About 7.65 billion m³ of gas are available for more gas utilization projects.
- Utilization volume of CMM is 2.11 Bm³ utilization rate is 34.6% in the first half year of 2013 and finishes 47.9% of annual target.



Contact Information and Announcements

2014 14th International Symposium on CBM/CMM and Shale gas in China

Landmark Hotel, Beijing, P.R. China November, 2014

Welcome to



The Event





Contact Information and Announcements

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Contact Information and Announcements



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