

# China Coal Sector Update to the 27th Session of the Global Methane Initiative (GMI) Coal Subcommittee

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# Institutional Reform of the Government

National Development and Reform Commission (NDRC)

Ministry of Ecological Environment

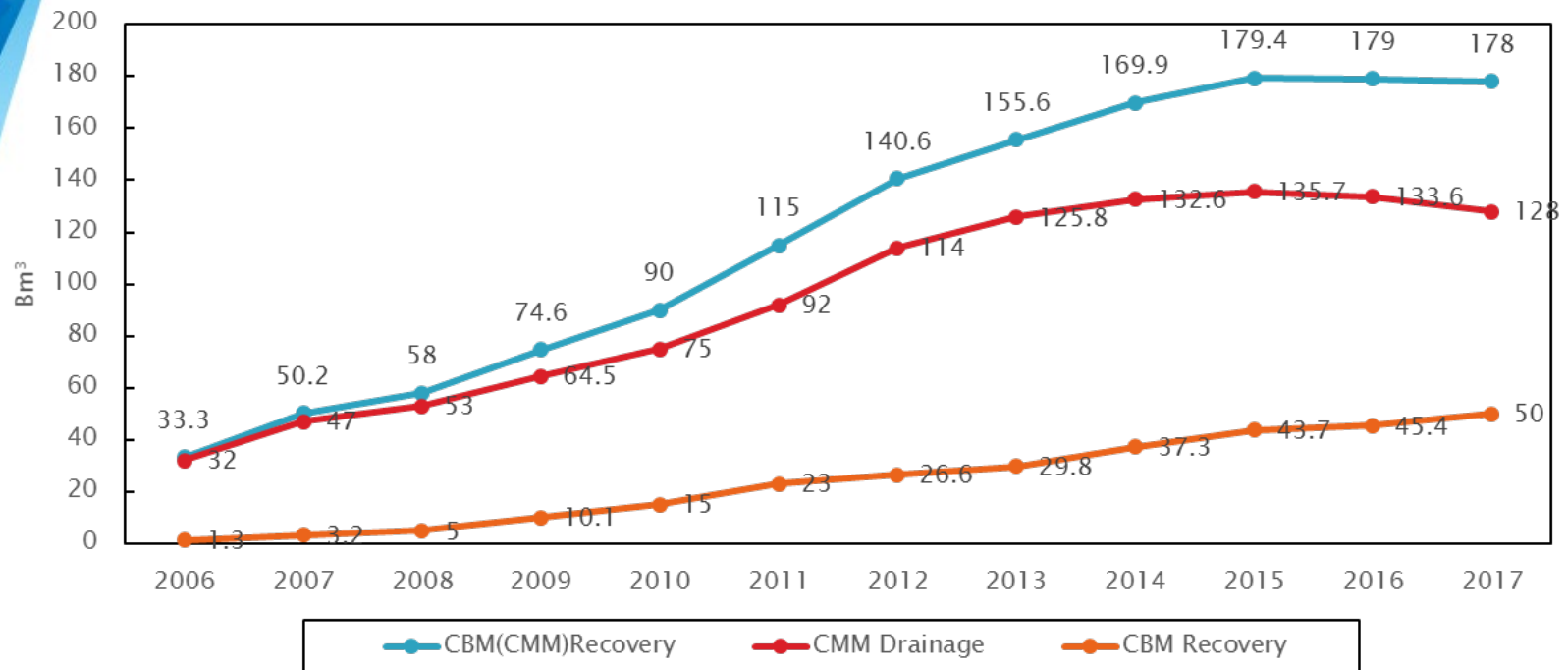
Department of Climate Change

State Administration of Work Safety (SAWS) & State Administration of Coal Mine Safety

Ministry of Ecological Environment

## ■ CBM/CMM recovered

➤ CBM/CMM recovery was 17.8 Bm<sup>3</sup> in 2017, increased by 26% compared with that in 2012, CMM recovery dropped lightly along with decreasing coal output in recent 2 years .



The CBM (CMM) recovery volume from 2006 to 2017 in C

## Incentives

- 3 billion RMB National Debt Fund for coal mine safety, in particular for projects of CMM recovery.
- Refund VAT on CBM/CMM sale to operators .
- Subsidies: 0.3 RMB/m<sup>3</sup> from Central Government for CBM/CMM recovery, and additional subsidies from local governments in some provinces.
- **Major invent:** 15<sup>th</sup> Meeting of the Inter-ministerial Coordination Leading Group of Coal Mine Gas Control, chaired by NDRC in Feb. 2018
  - ✓ Improving gas recovery and achieving the goal of zero gas accident/at coal mines by 2035.
  - ✓ Increasing CBM/CMM utilization to 20 Bm<sup>3</sup> by 2022. ( 4.9 Bm<sup>3</sup> of CMM and 4.4 Bm<sup>3</sup> of CBM in 2017 )

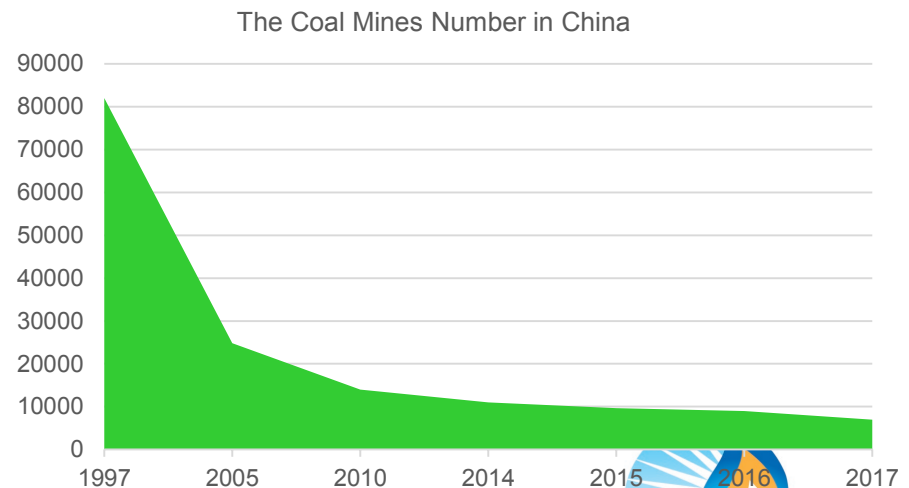
## Specific CMM project

CMM power plant at Jinjiazhuang Coal Mine, Liulin County, Shanxi  
Installed capacity of 50 MW with 14 sets of gas engines Jenbacher 620 ( 3345 kW )

# Potential for AMM Utilization

- A large number of coal mines have been closed over last 12 years.
- Planned to close down 4000 small coal mines and 300 large mines with coal reserve exhausted in coming 3 to 5 years, eliminating total annual output capacity of 500 million tones of coal
- Offer more opportunities for AMM recovery and utilization

- 24,800 coal mines in 2005
- 14,000 coal mines in 2010
- 9,624 coal mines in 2015
- 9,000 coal mines in 2016
- 7,000 Coal mines in 2018





*Thank you for your kind attention*

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