Unconventional gas

BG GROUP

A game changer

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13 December 2009





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Combating climate change

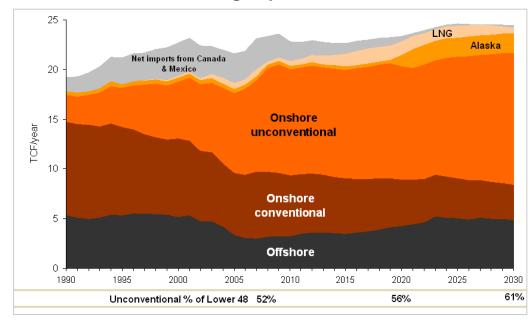
- Clean and efficient gas is part of the solution
 - A key part of IPCC mitigation options for energy
 - Diverse, plentiful and economic
 - Reliable and flexible backup for intermittent renewable power
 - Versatile and smart energy choice
- BG Group's focus on gas
 - Developing gas markets
 - Increasing supply: conventional and unconventional
 - Supporting security of supply LNG
 - Investing in technologies to improve efficiency



Unconventional gas revolution

- A new wave of plentiful unconventional gas in the USA is transforming the energy market
 - 15% increase in production in past 18 months
 - USA now has up to 100 years of recoverable gas reserves

US natural gas production outlook

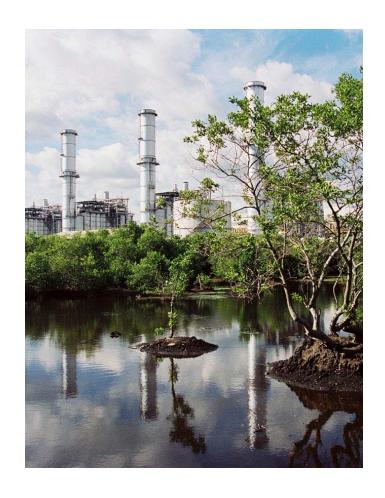


Source: EIA



New opportunities for North America

- Fuel switching in power
 - 370 GW of coal fired power at 70% load vs. 450 GW of gas generation at 25%
- Natural gas vehicles
 - Using natural gas instead of gasoline decreases CO₂ emissions by at least 30% and NOX emissions by 90%
- LNG exports?

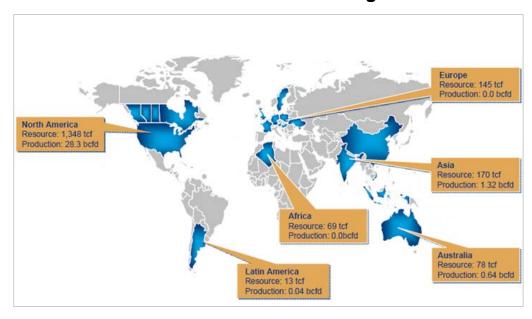




Global unconventional gas resources

- Can the unconventional revolution spread globally?
 - As-yet-undeveloped unconventional reserves estimated at 4,000 to 16,000 tcf*
 - Adds 60% to 240% on top of 2008 world proven gas reserves

Global unconventional gas



Source: Wood Mackenzie

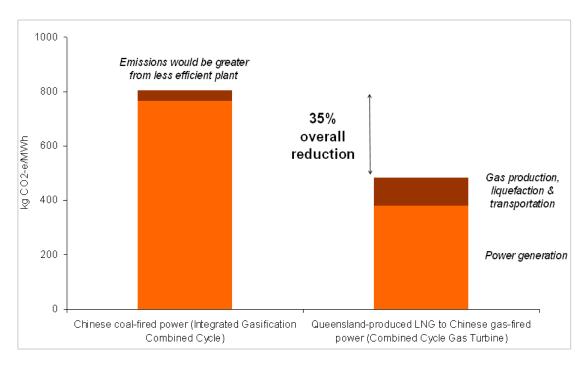
^{*} Source: IHS CERA



CSG to LNG - a new paradigm

- USA and Australia already use CSG in domestic markets
- CSG to LNG is another opportunity to deliver gas to markets where it displaces more carbon intensive fuels
- Australia leading the way

QCLNG - displacing carbon intensive fuels



Source: BG Group



Versatile, flexible and plentiful energy choice

- Gas is lower-carbon, plentiful and technologically available today
- Unconventional gas revolution has led to increased abundance and geographical diversity of natural gas
- Gas can respond quickly to back up intermittent renewable energy, making it a long-term energy choice