Danish Annual Gas Conference 2013

The Global Gas Strategy: the IGU way

Jérôme Ferrier
Président IGU
Natural gas: a global market under construction

Source: BP Statistical Review 2013
Natural gas prices in Asia, Europe and the USA
Shale gas leads growth of production in the USA

Source: EIA
Natural gas and LNG exports from the USA

Source: EIA

Source: EIA, Annual Energy Outlook 2013 Early Release
Changing the electricity generation mix in the USA

Source: EIA

U.S. electricity net generation
trillion kilowatthours

2012 Reference Case

$15 Carbon Fee

$25 Carbon Fee

Source: EIA, Annual Energy Outlook 2012
The growth of LNG and GTL uses for transportation in the USA

Note: Gas to liquids includes heat, power, and losses.

Source: EIA, Annual Energy Outlook 2013 Early Release
Emerging economies, mainly Asia, drive the energy demand

Source: IEA

Global energy demand increases by one-third from 2010 to 2035, with China & India accounting for 50% of the growth
Natural gas demand growth comes mainly from Asia

Source: IEA

Gas demand grows fastest in the non-OECD regions, led by China, which accounts for more than a quarter of the worldwide increase in demand between 2009 & 2035
Power capacity projections in India (GW)

Source: IEA
New coal-fired power capacities in Europe

Source: Ecoprog GmbH.\textsuperscript{22}
The UK Emissions Performance Standards (EPS)  
*Energy Bill 2012 - 2013*

- EPS requires that any new coal fired power plant demonstrate CCS on at least 300 MW of the proposed generating capacity.

- Sets a CO2 emission limit at 450 g/kWh until 2045.

- Guarantees stability of emission regulation until 2045 (grandfathering).

- EPS complements the economic signals provided by the Carbon Floor Price and, when applicable, the feed-in electricity purchase tariff with Contract for Difference (CFD).

- EPS gives incentives to « Good Quality » CHPs, by discounting the volumes of CO2 saved in the heat production by displacing other fossil fuels.
Synergy between smart gas and electricity grids
Energy poverty is widespread

*SOURCE: IEA*