# **BP Statistical Review of World Energy**

June 2013

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Energy in 2012 – Adapting to a changing world



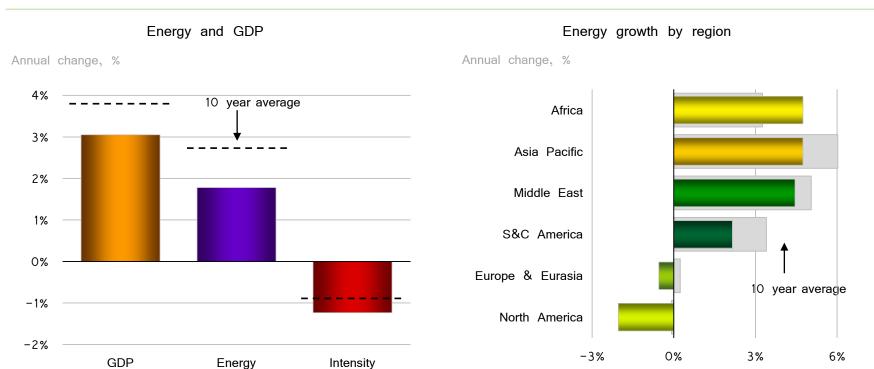
### Outline



- Introduction
- 2012 in long-term context
- Fuel by fuel
- Concluding remarks

## Energy in 2012



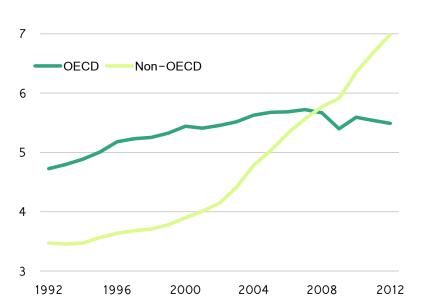


## Long-term energy trends



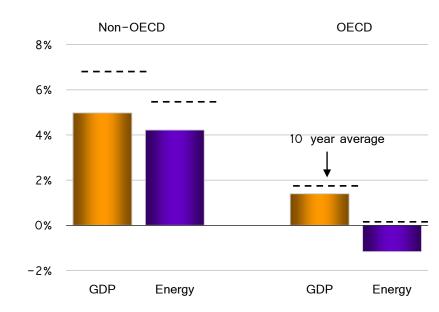


#### Btoe



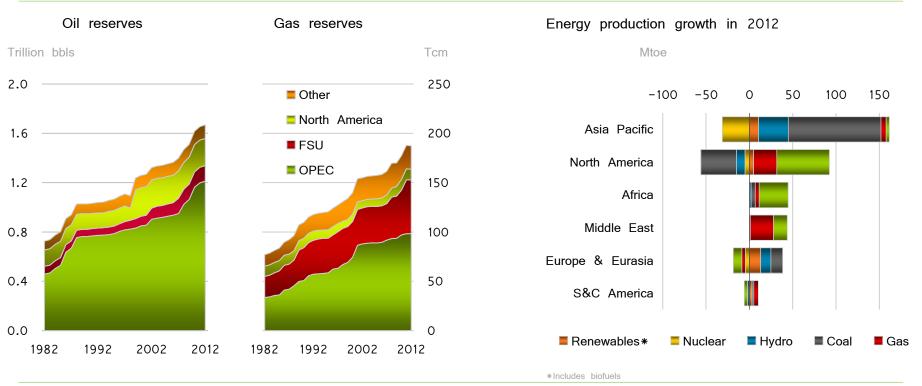
#### Energy and GDP in 2012

#### Annual change, %



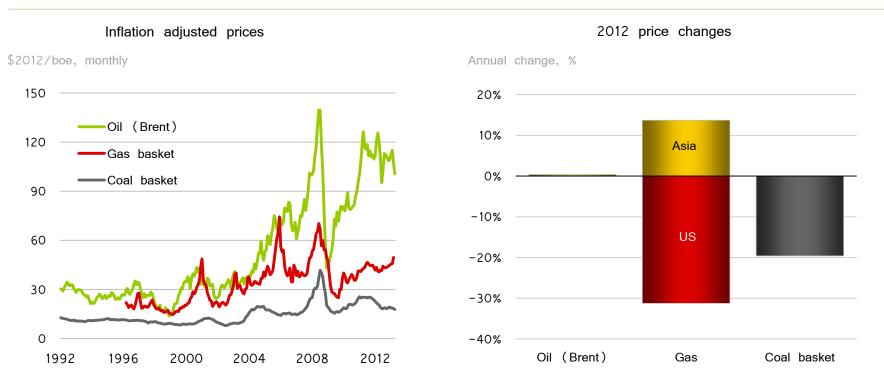
### Reserves and production





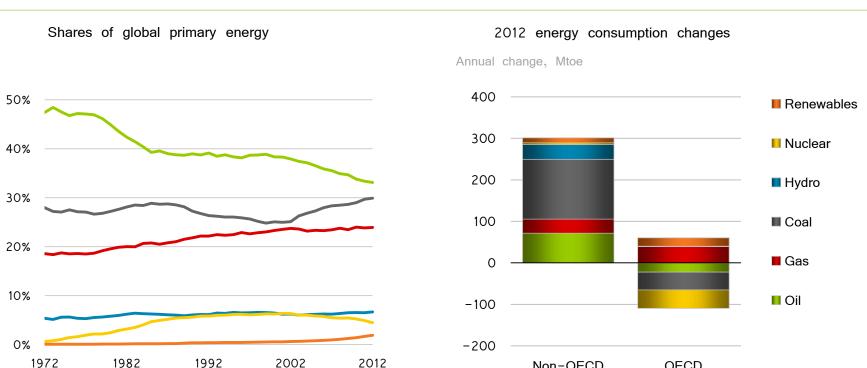
## **Energy prices**





## The evolving fuel mix



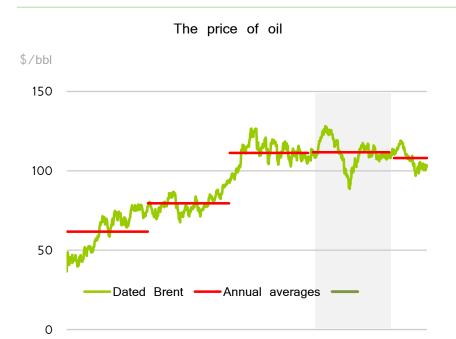


Non-OECD

**OECD** 

### The oil market in 2012





2011

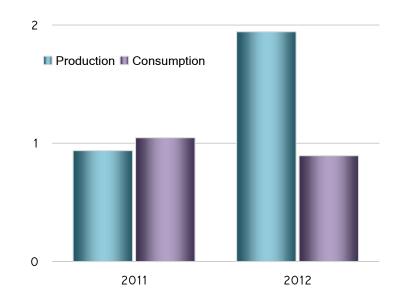
2012

2009

2010

#### Production and consumption growth

Annual change, Mb/d



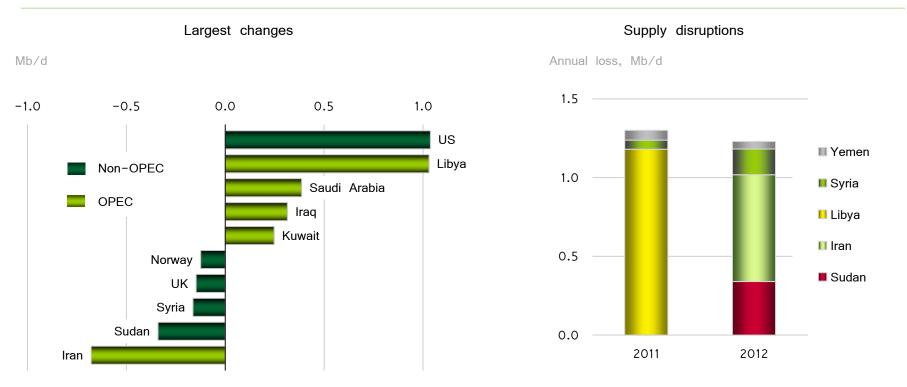
Source: includes data from Platts

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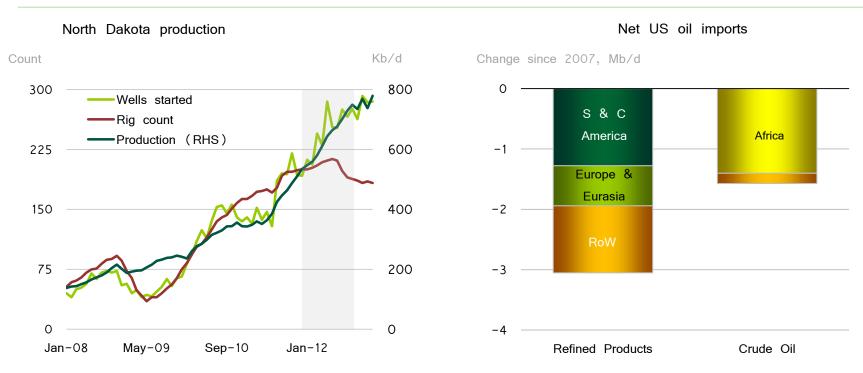
## Oil production in 2012





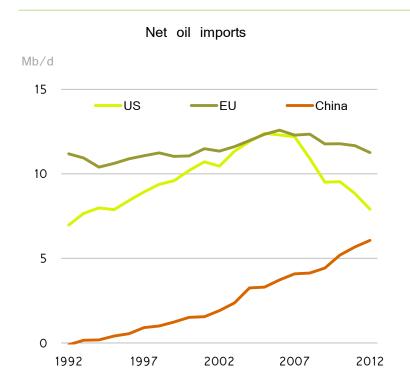






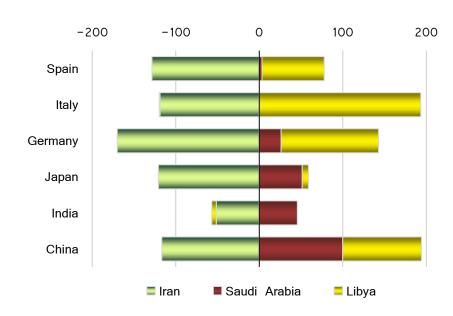
## Emerging oil trade patterns





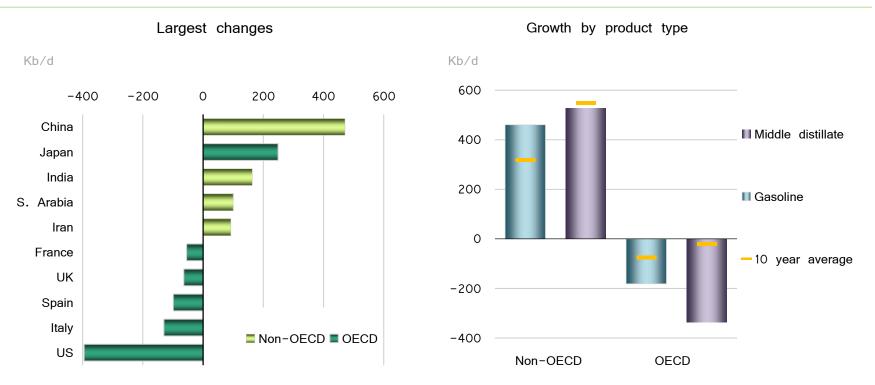
#### Adjustment to 2012 disruptions

Change in trade, Kb/d



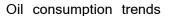
## Oil consumption in 2012

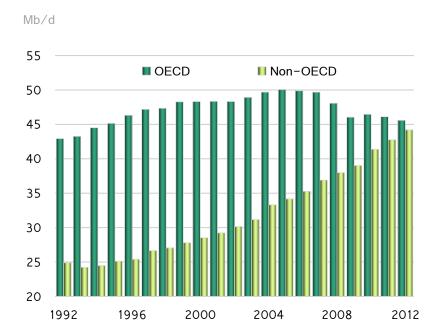




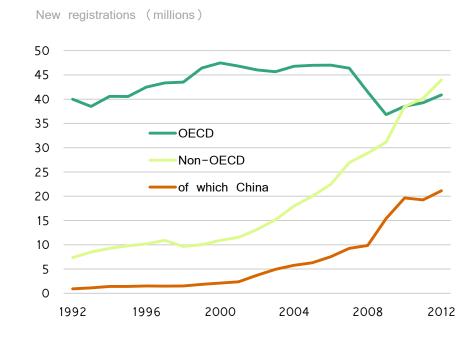
## Oil consumption and mobility





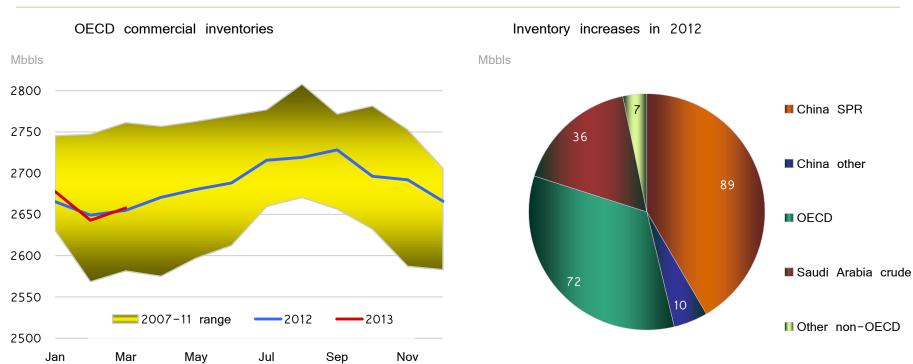


#### Vehicle sales



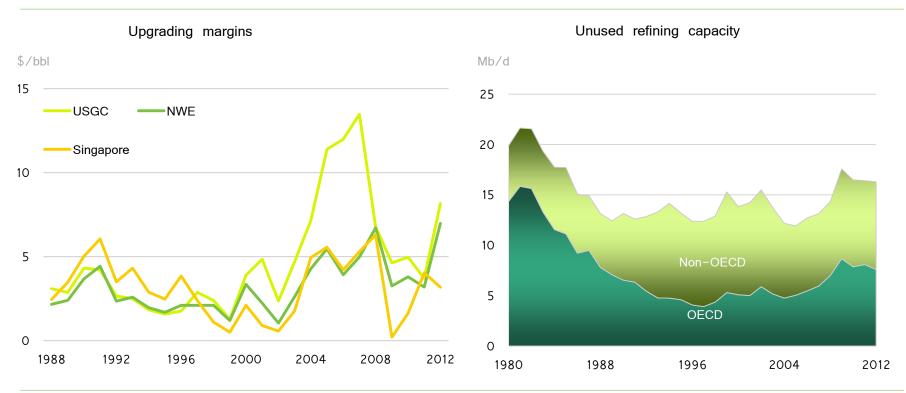
### Oil inventories





## Refining margins and capacity



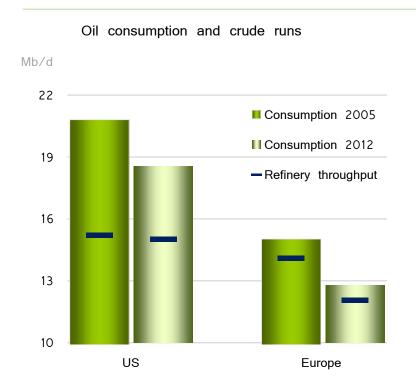


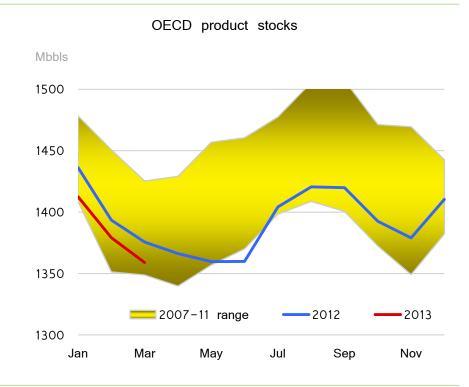
Source: Includes data from Platts

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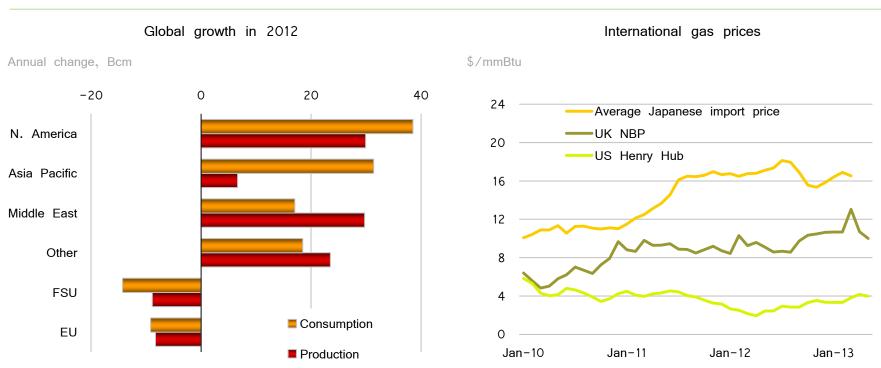






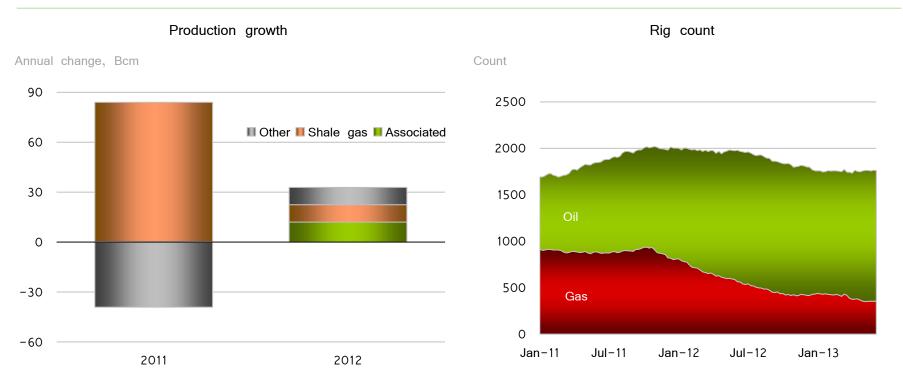






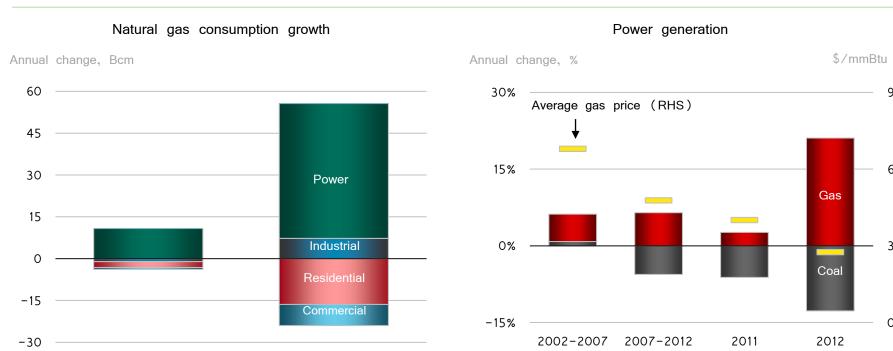










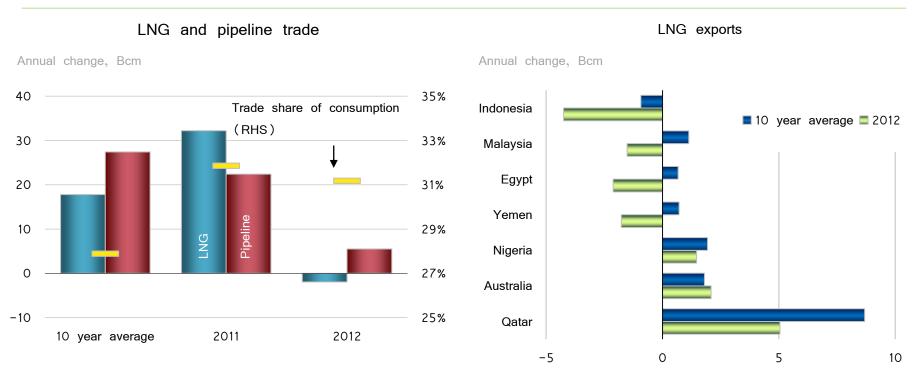


2012

10 year average

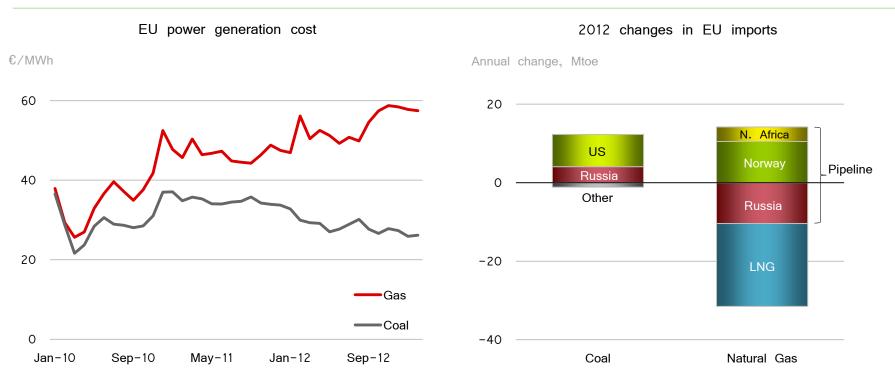
## Natural gas trade





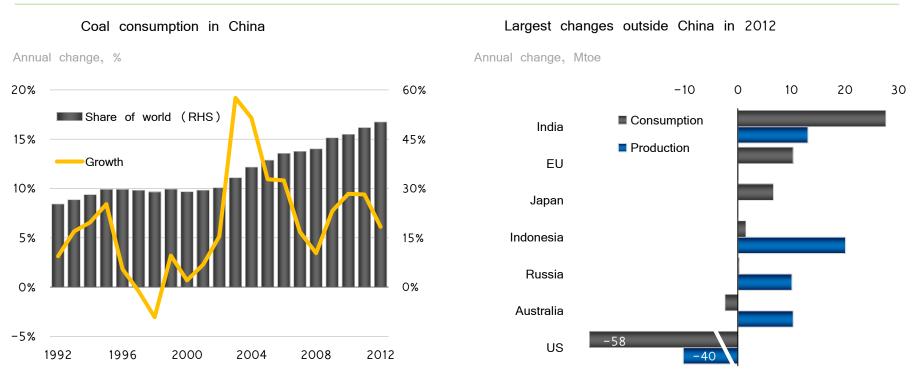






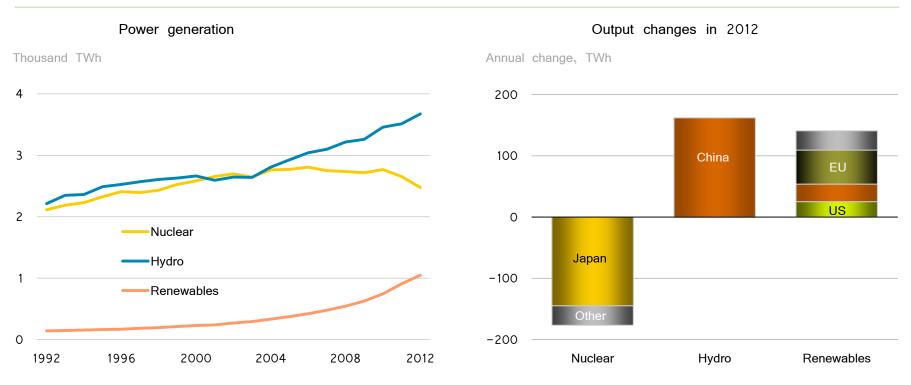
### The coal market in 2012





## Hydro, other renewables and nuclear

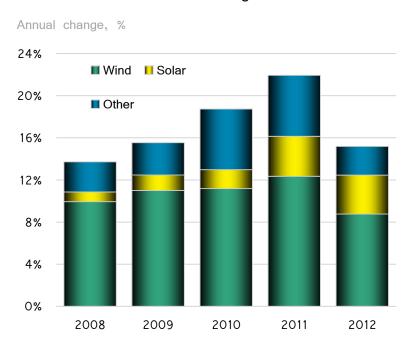




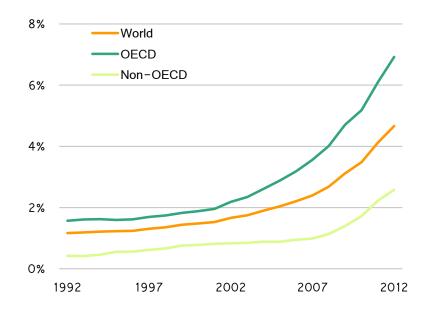
## Renewables in power generation



#### Contributions to growth

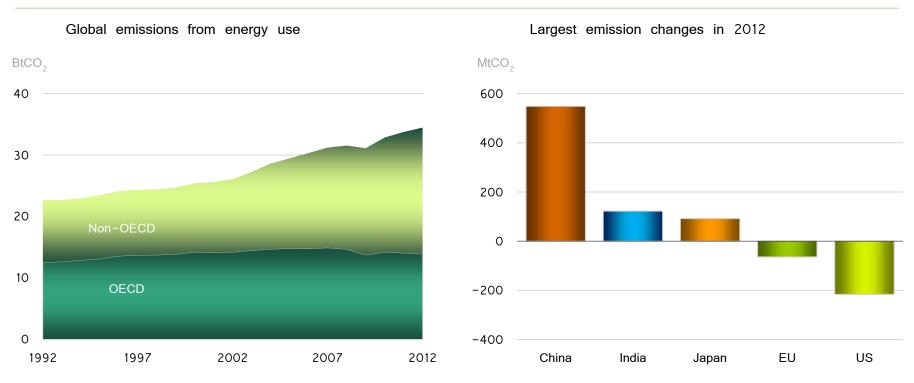


#### Renewables share of power



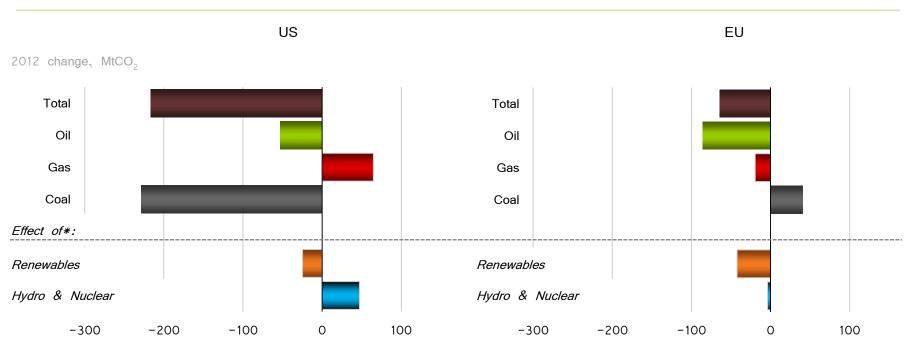
### Carbon emissions





## Carbon emissions by fuel: US and EU





\* The net effect of changes in non-fossil fuels in power on emissions, based on 2011 shares of fossil fuels in power generation

### Conclusion



#### Energy in 2012

- Fundamental adjustment
  - And short-term aberrations
- Market and price driven
  - Sometimes with surprises
- Policy matters

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