



# Energy: A Challenging Future

## UWE Address

Peter Mather, Group Vice President Europe &  
Head of Country UK, bp plc



- BP
- A short history of our industry
- What's going on today?
- Where are we heading?
- The challenges ahead
- Conclusions
- Questions?

# BP at a glance – Facts and figures\*



Countries  
of operation  
**Over 80**



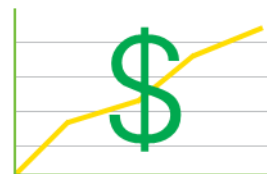
Proved reserves  
**17,996** million  
barrels of oil equivalent



Number of  
employees  
**80,000**



Barrels of oil  
equivalent a  
day\*  
**3.15 million**



Underlying replacement  
cost operating profits\*  
**\$13.43billion**

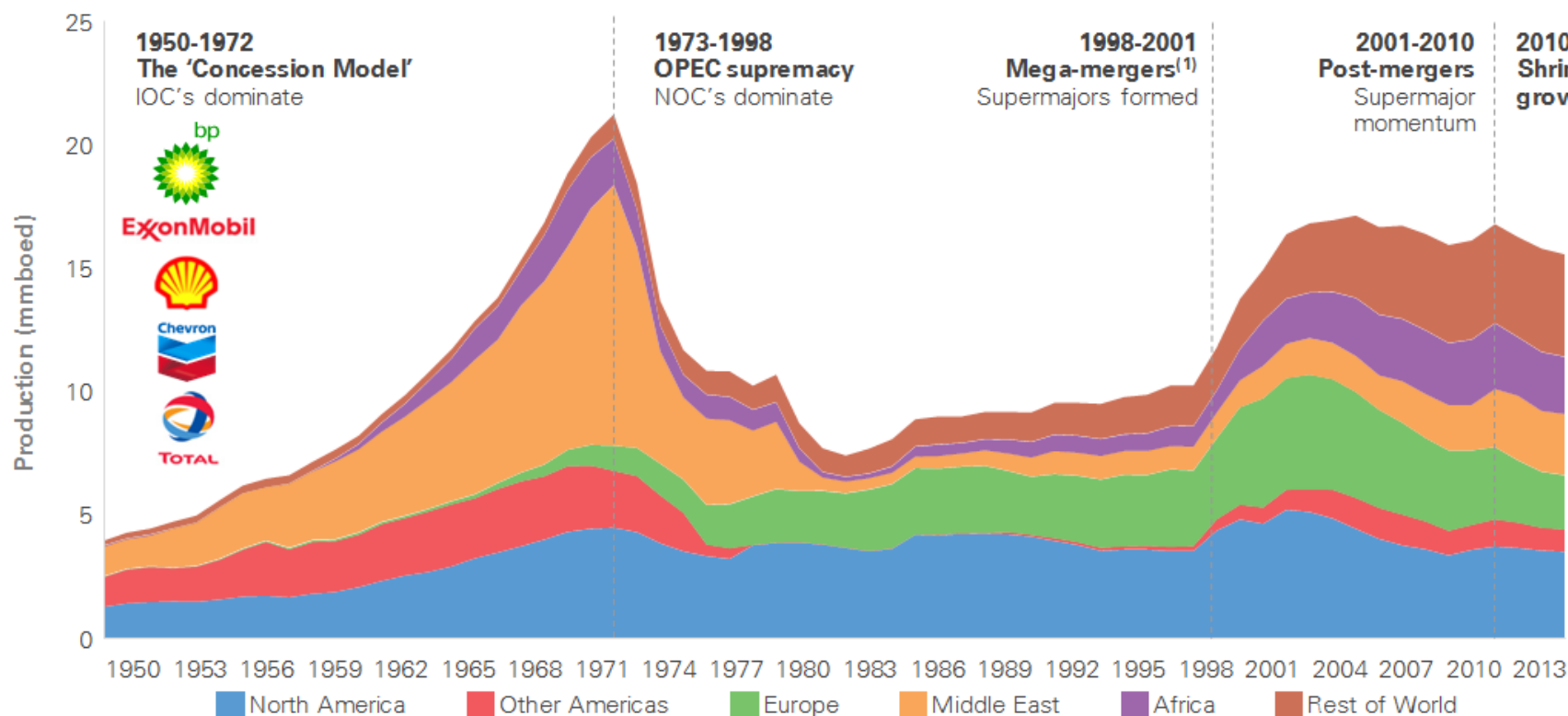


Refining throughput\*  
**1,700** thousand  
barrels per day

All data from the 2013 BP Annual Report unless otherwise noted.

\*3Q 2014 Financial Results

# Our industry in perspective



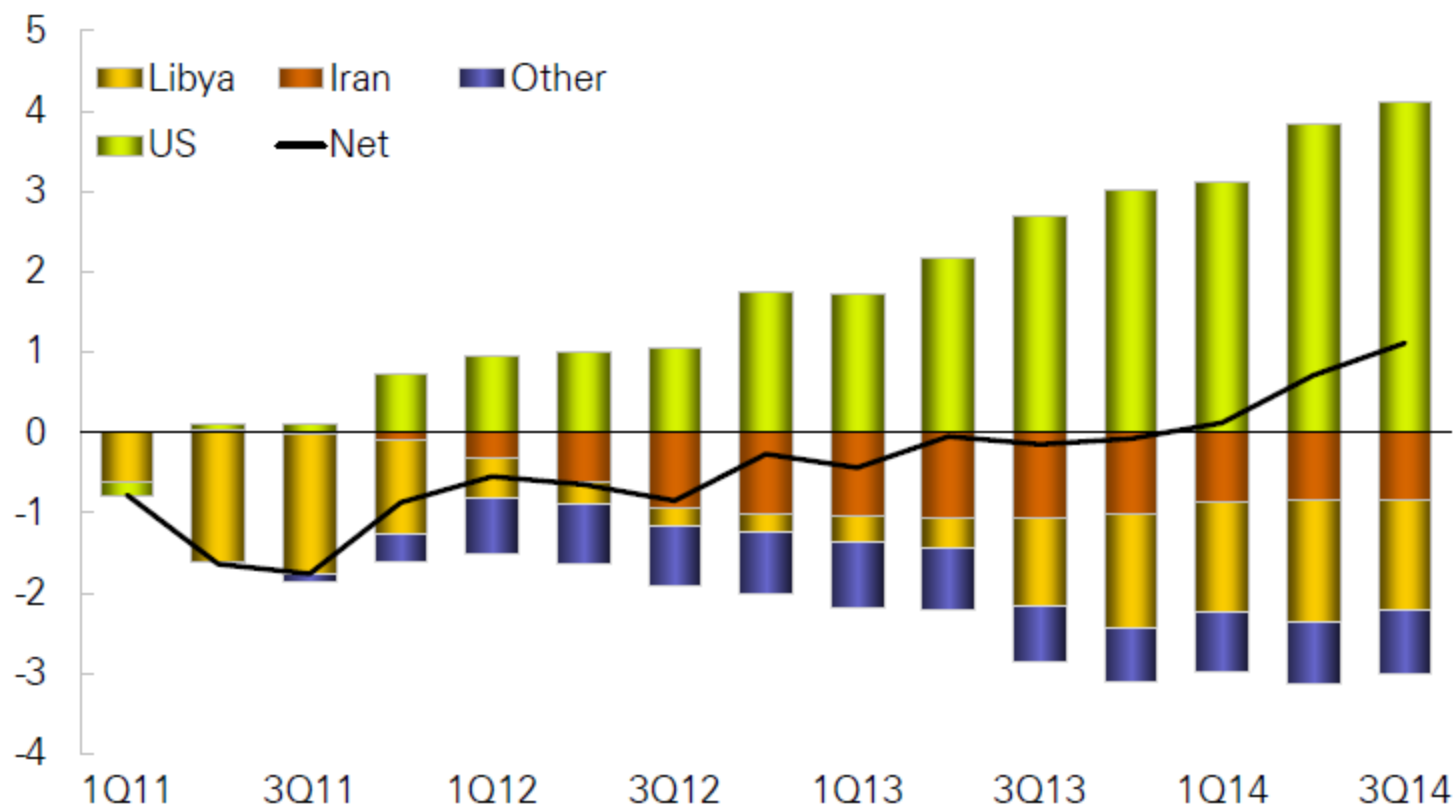
(1) Aggregate production profile as reported. Data prior to 1998 does not include the production of the other legacy companies that combined to form the Supermajors

Source: company disclosure; 2013 reflects 2012 regional breakdown

# Oil Market Balances



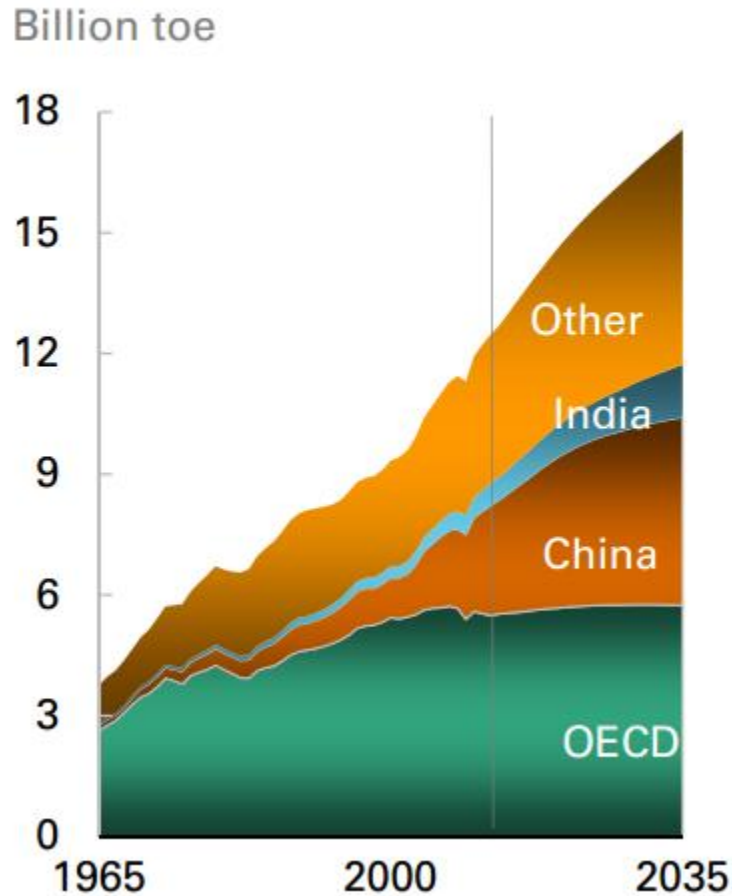
Cumulative change since 4Q10, Mb/d



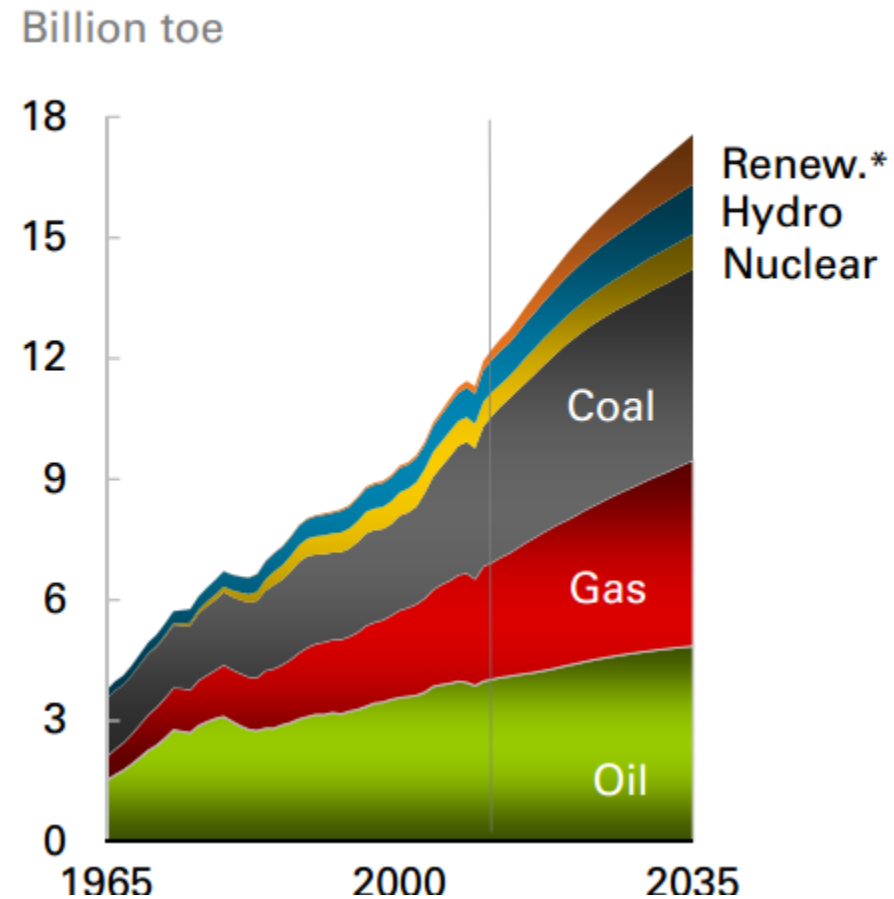
# Energy Trends



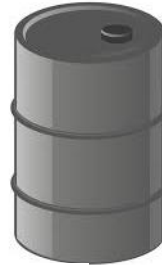
## Consumption by region



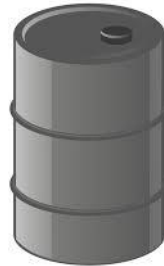
## Consumption by fuel



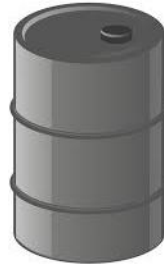
# Energy Intensity



**2 Barrels**



**1.3 Barrels**



**1 Barrel**



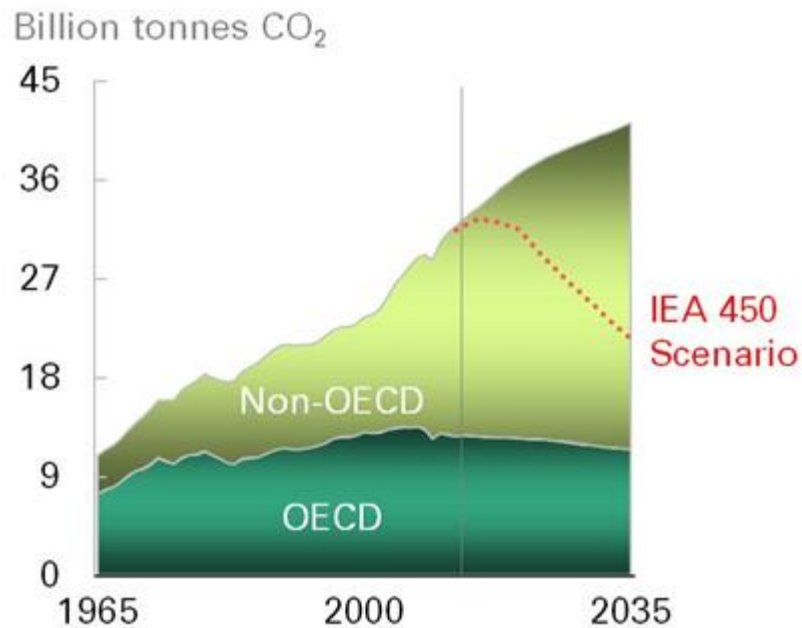
**0.75 Barrel**

**Energy Required per \$1k GDP**

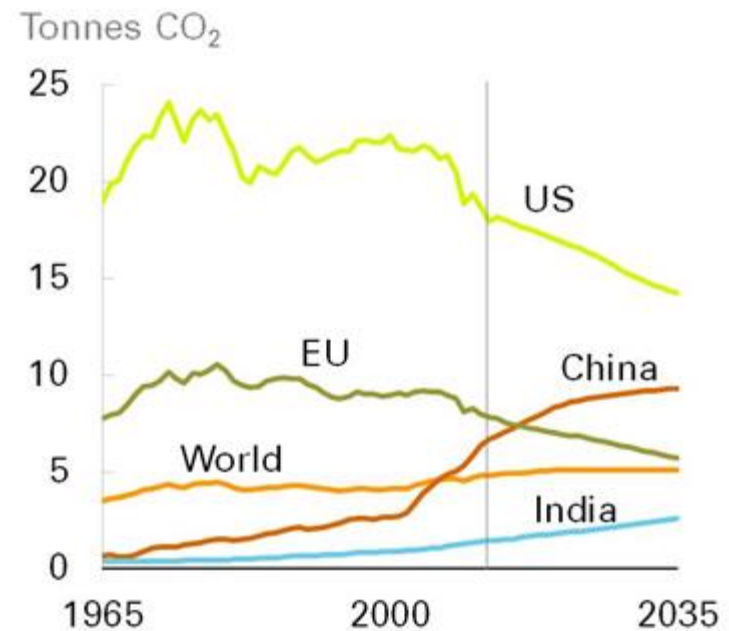
# Projected Carbon Emissions



Emissions by region



Emissions per capita





# A Challenging Future



Look to policy and technology to:

- Support safety and reliability
- Increase energy efficiency
- Assist in finding and developing new secure resources
- Enhance sustainability of the methods of energy production and consumption
- Keep energy affordable within a competitive economy

# Questions?

