

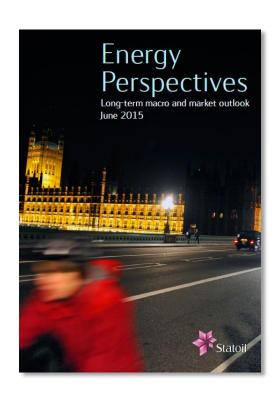


Long-term macro and market outlook

Washington DC, June 2015 Eirik Wærness, Chief economist

Energy Perspectives 2015

Macro and market outlook to 2040 – www.statoil.com/energyperspectives

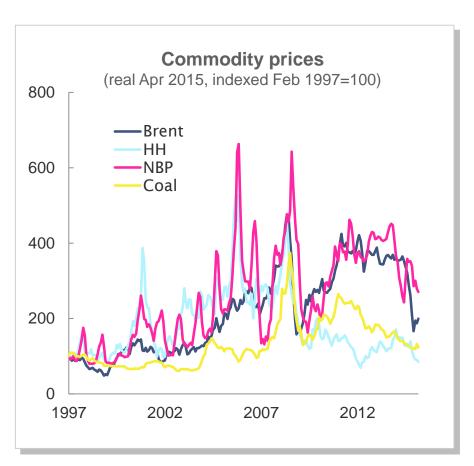


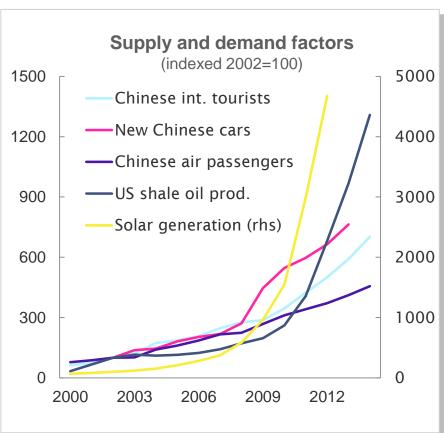




A world of volatility and change

Hope to be vaguely right, not precisely wrong...





Sources: Thomson Reuters Datastream, DOE, CEIC, IEA



Long-term forecasts are uncertain

Climate change, policy, technology, consumers and economy will decide



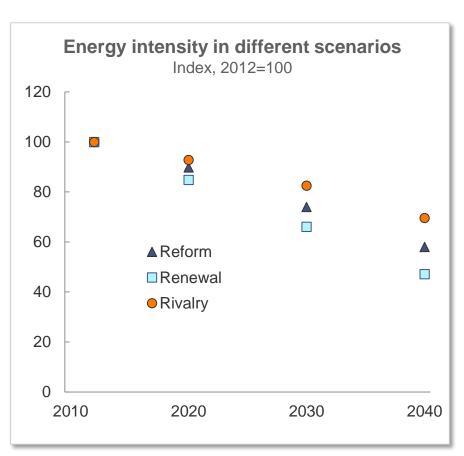
Sources: The Economist, Google, UN, Statoil, McKinsey & Company, National Geographic, twistedsifter.com

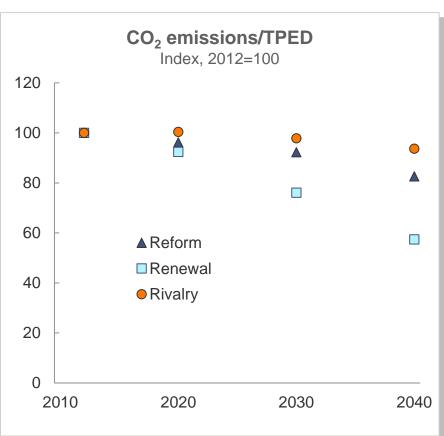




Several futures are possible

Three scenarios – stories about the future – have been established



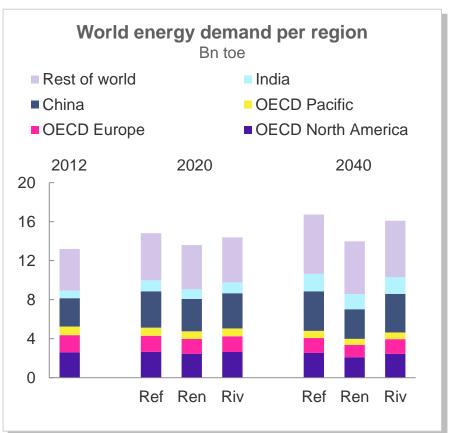




A strong trend affecting economics and energy

Economic gravity moves (back) to the east, and so does energy demand



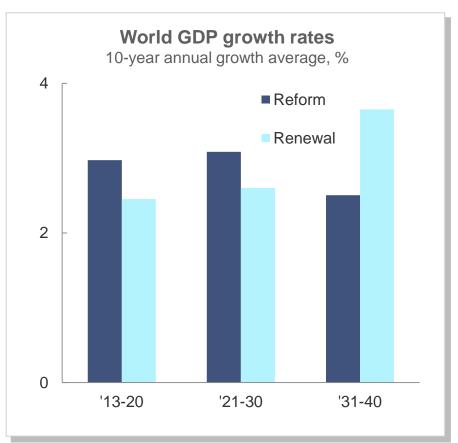


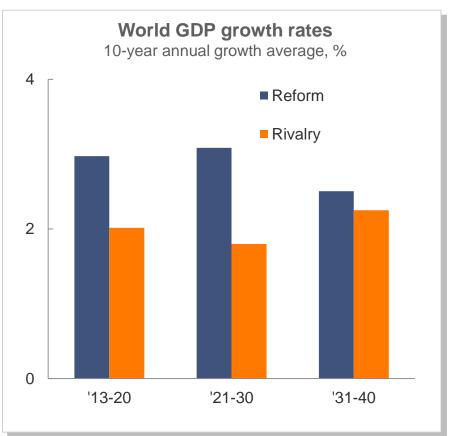
Source: Imgur, IEA, Statoil (projections)



Growth is a key driver for energy demand...

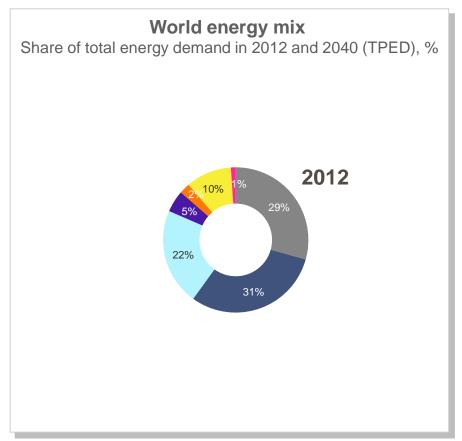
... and is different in alternative scenarios

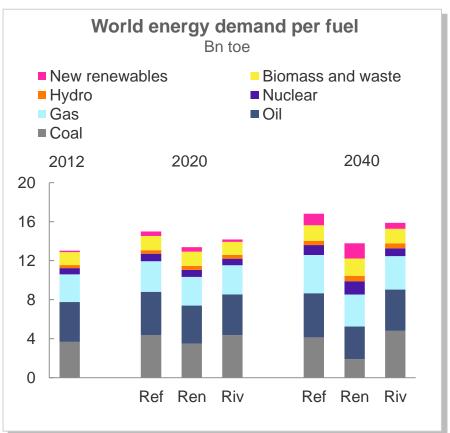






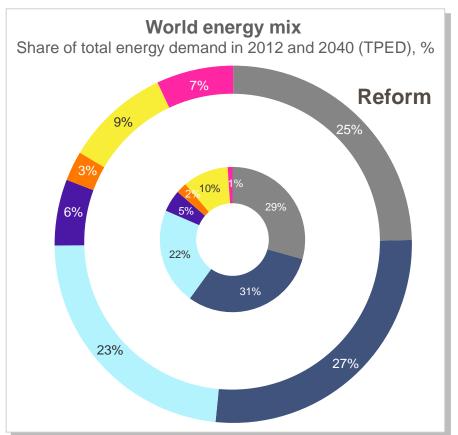
... depending on growth, efficiency, technology and policies

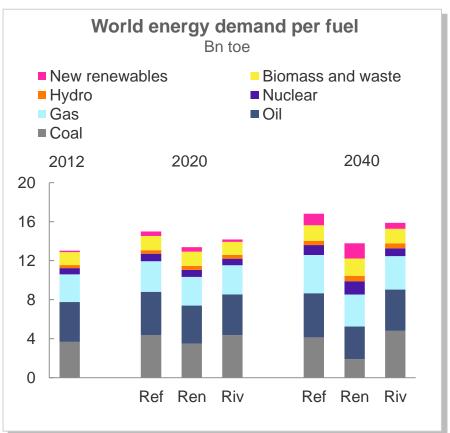






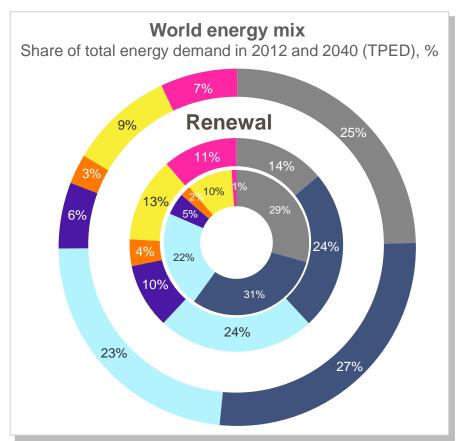
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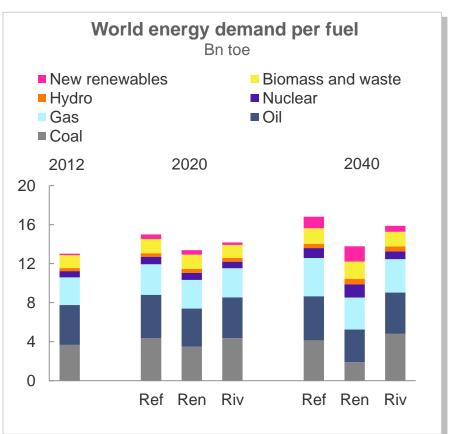






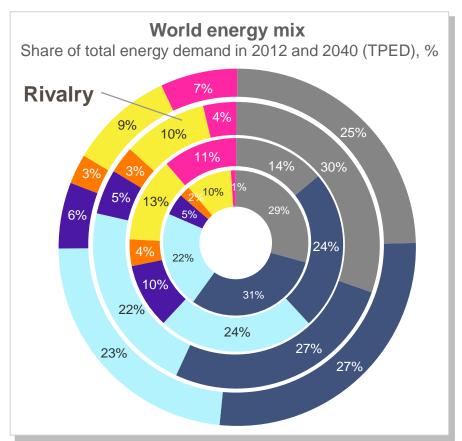
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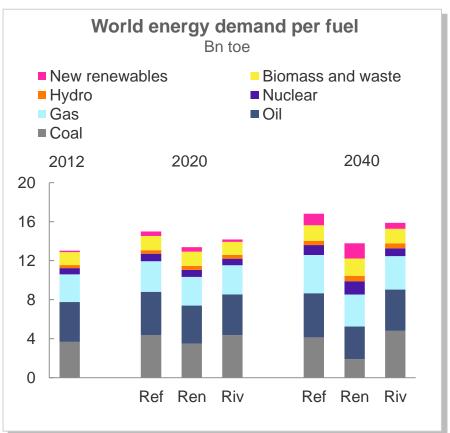






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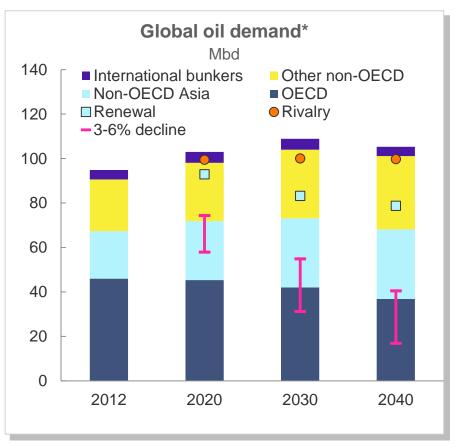


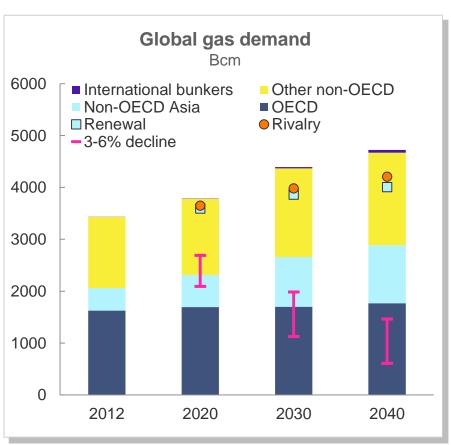




Oil and gas are here to stay

Considerable need for new investments, irrespective of scenario



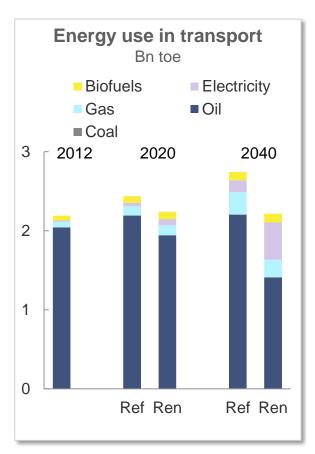


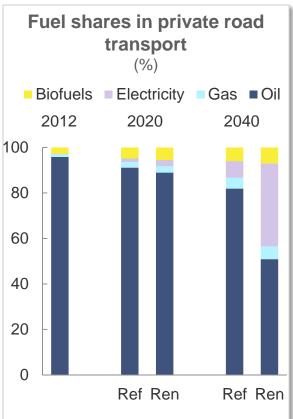
* Excl. Bio-fuels

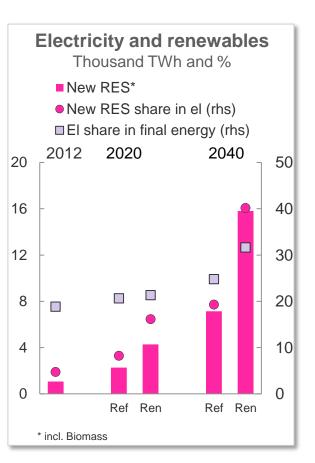


Renewal requires large changes

... in particular in transport and power





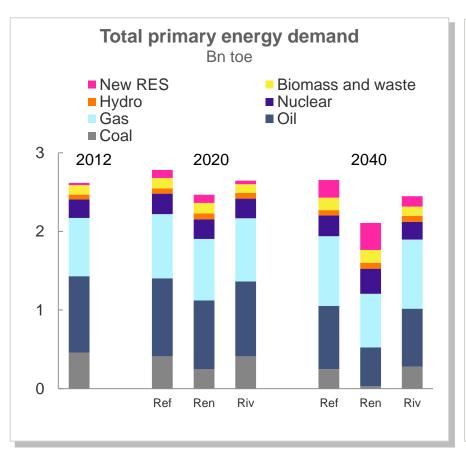


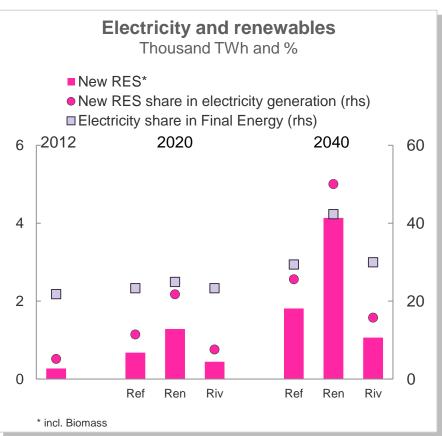
Source: IHS Global Insight and International Energy Agency (history), Statoil (projections)



Energy and electricity in North America

Significant changes, especially in Renewal

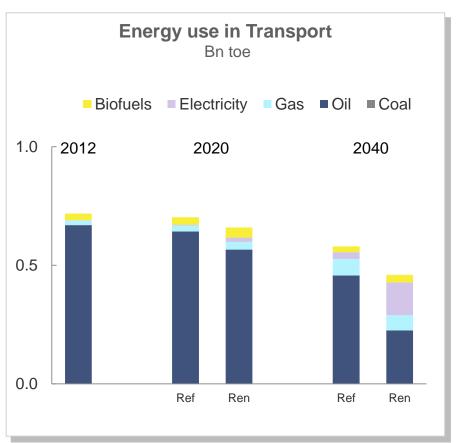


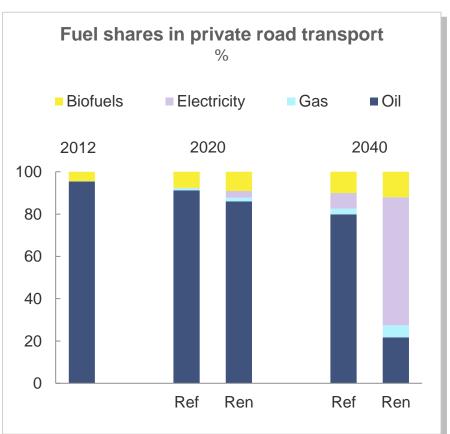




Transport in North America

Efficiency, fuel change, electrification of light-duty vehicles in Renewal

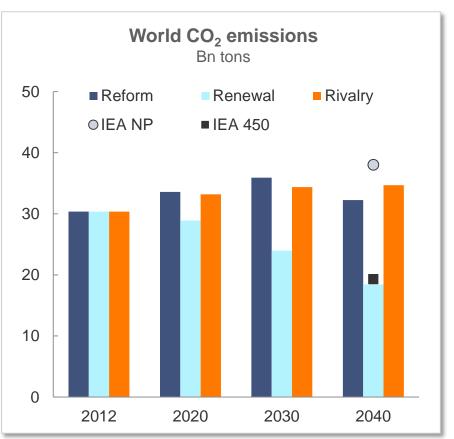


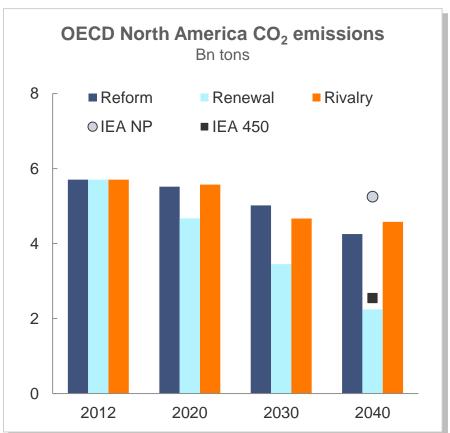




Renewal Scenario consistent with 2 °C-target

... CO₂ emissions vary, driven by energy intensities, fuel mix and CCS



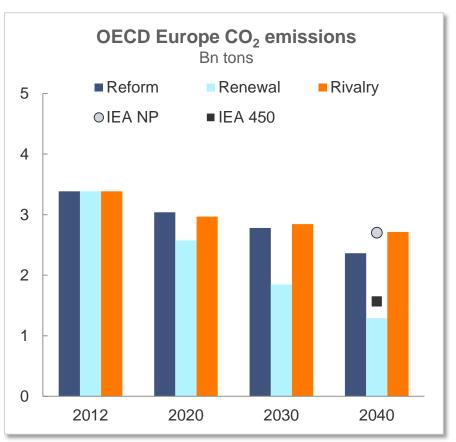


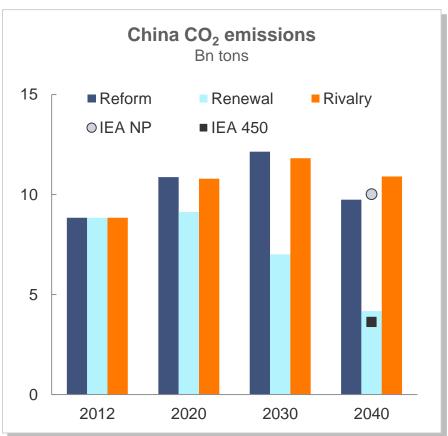
Source: Statoil, IEA WEO 2014



Renewal Scenario consistent with 2 °C-target

... CO₂ emissions vary, driven by energy intensities, fuel mix and CCS





Source: Statoil, IEA WEO 2014



There's never been a better time for good ideas

Thank you!

www.statoil.com/energyperspectives

