



www.eti.co.uk

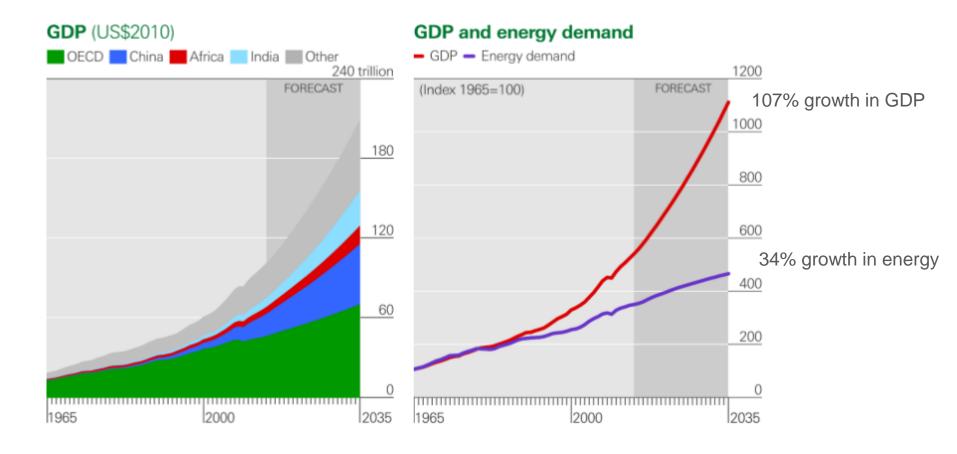
On track or too little too late: how can we accelerate the low carbon transition?

Jo Coleman Strategy Director



World energy demand is set to grow



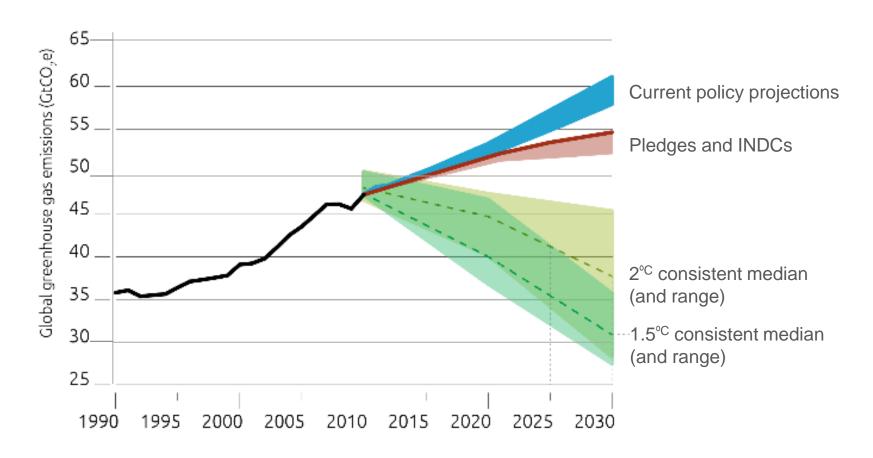


http://www.bp.com/en/global/corporate/energy-economics/energy-outlook-2035/drivers-of-energy-demand.html



COP21 pledges fall far short of a 2°C pathway



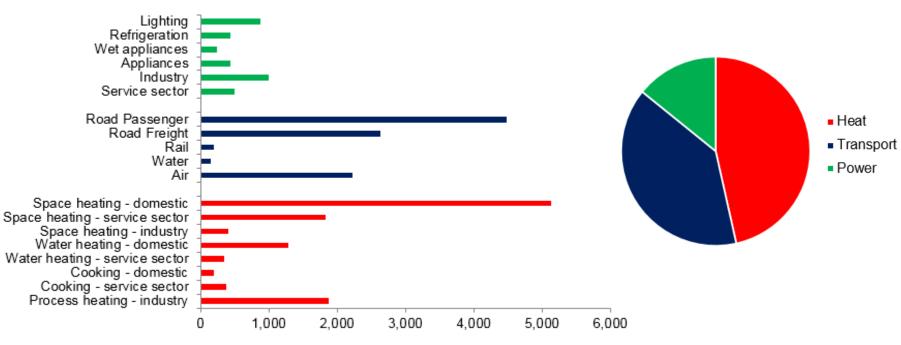




Power is not typically the dominant end-use



UK Final Energy Consumption



Final energy consumption (kWh per capita per year)

Source: DECC



Infrastructure Renewal - slow and steady...



Opportunities to introduce step-changes in technology or strategic direction are few



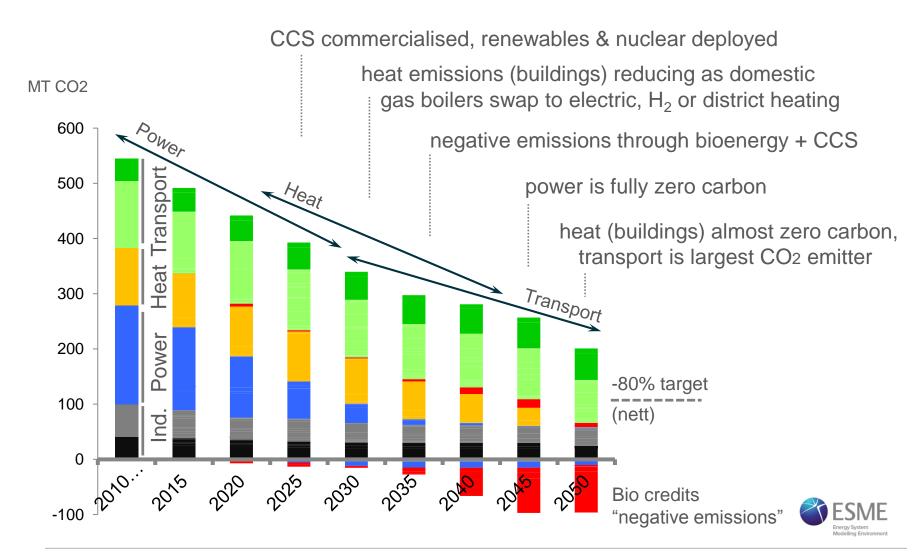
- Lead-time for step-change in vehicle and boiler performance often driven by introduction of new standards and regulations – may take 10 years
- Other **major infrastructure** similar to power assets, 40-100 year lives, planning phase can be 10-20+ years
- Behaviour change? Can be quicker but can take generations



An emissions reduction plan



Power now, heat next, transport gradual - cost optimal









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For more information about the ETI visit www.eti.co.uk



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