

Welcome

Planning for Low & Zero
Carbon in Development

Seminar

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- **Planning Policy Statement (PPS):**
Planning and Climate Change supplement to PPS
1 – the latter being superseded
- **Climate Change Act 2008** – platform for raft of initiatives
- **UK Low Carbon Transition Plan 2009**
- **The UK Renewable Energy Strategy 2009**
- **Consultation on a Planning Policy Statement:**
Planning for a Low Carbon Future in a Changing Climate
- **Definition of Zero Carbon** – recent consult–await outcome
- **Household Energy Management Strategy** – tho' for existing but linkage to new housing/ dev't where under proposed allowable Solutions export will enable compliance

- Code for Sustainable Homes - voluntary
2010 –25%, 2013 -44%, 2016 -70% + offsite
allowable solutions
- Zero CO₂ New Schools was 2016, now 2018
- Zero CO₂ public buildings 2018
- Zero CO₂ non-domestic 2019

Allowable Solutions! MAJOR KEY TO FUTURE

— after energy efficiency (fabric and in-building) and carbon compliance (on-site and near to site energy sourcing)

See Triangle in Alison's Regeneration presentation

New draft PPS supplement– KEY ELEMENTS

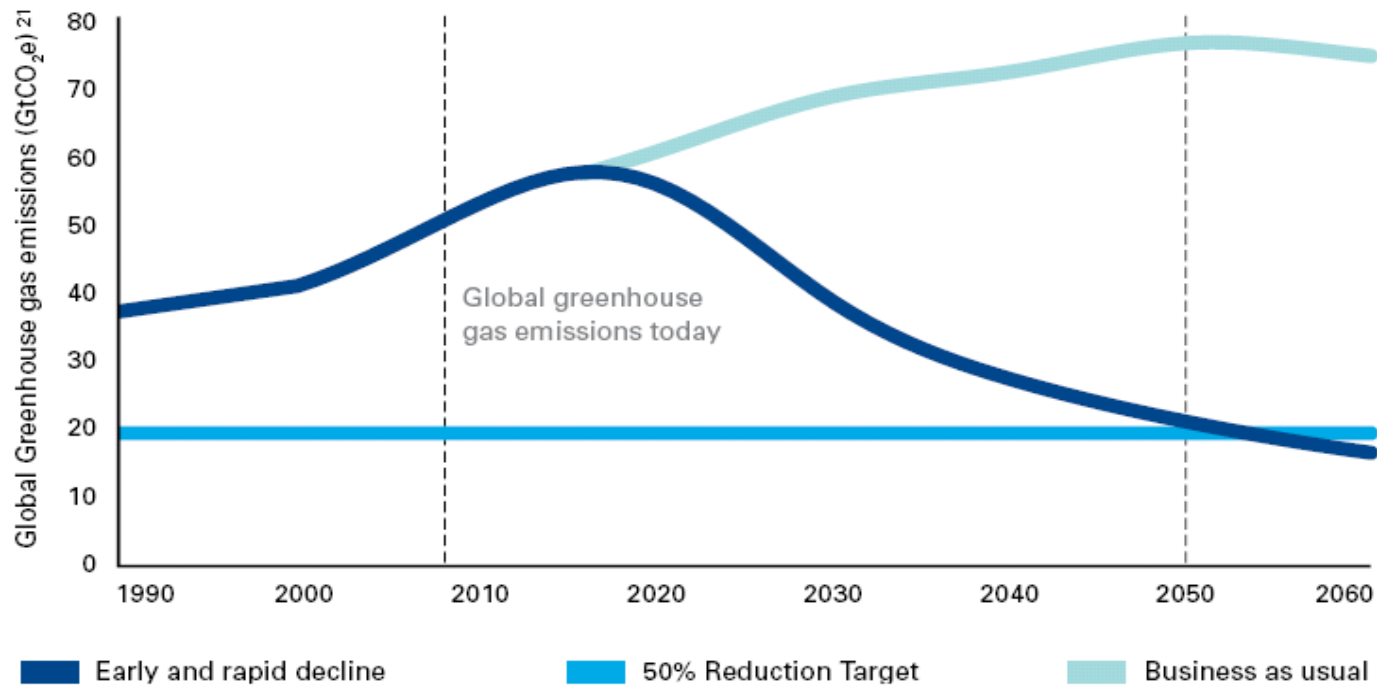
- Evidence based policy
- Mitigation and Adaptation to be addressed
- More rigorous regional RE capacity measuring process and targets reflecting national ambitions
Stop Press – subject to change with scrapping of RSS
- Local heat mapping by LAs
- Better integration with other policies inc BR
- Linkage of Zero CO₂ streams in allowable solutions
- LAs to set local decentralised energy in DPD
- Move away from % RE targets by 2013 – Merton-type
- LPAs Still set site or development based targets

New draft PPS supplementcontinued

- CC equal to housing & econ development in **RSS!**
- Planning for more renewable and low carbon energy development should be at the heart of good planning: it is neither optional nor additional.
- Options for RE type and location open & non prescriptive by PPS
- Preparing for impacts of climate change
- Assess climate change projections
- expect new development should be low carbon development

Chart 3

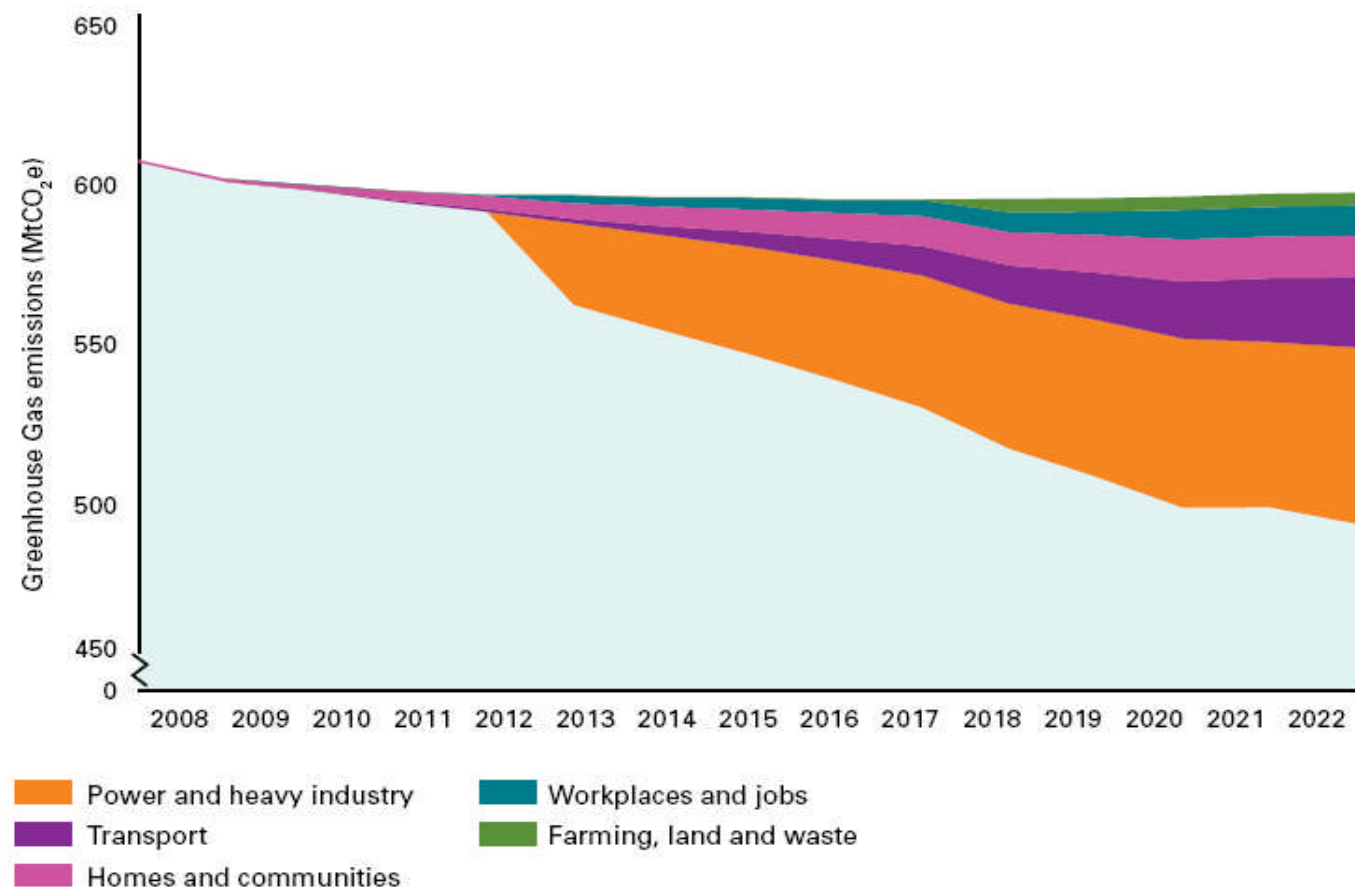
To avert the most dangerous impacts of climate change, global emissions must peak within the next decade



Source: An unmitigated emissions scenario from the Intergovernmental Panel on Climate Change *Special Report on Emissions Scenarios* (2000)

Chart 1

The plan will reduce emissions in every sector

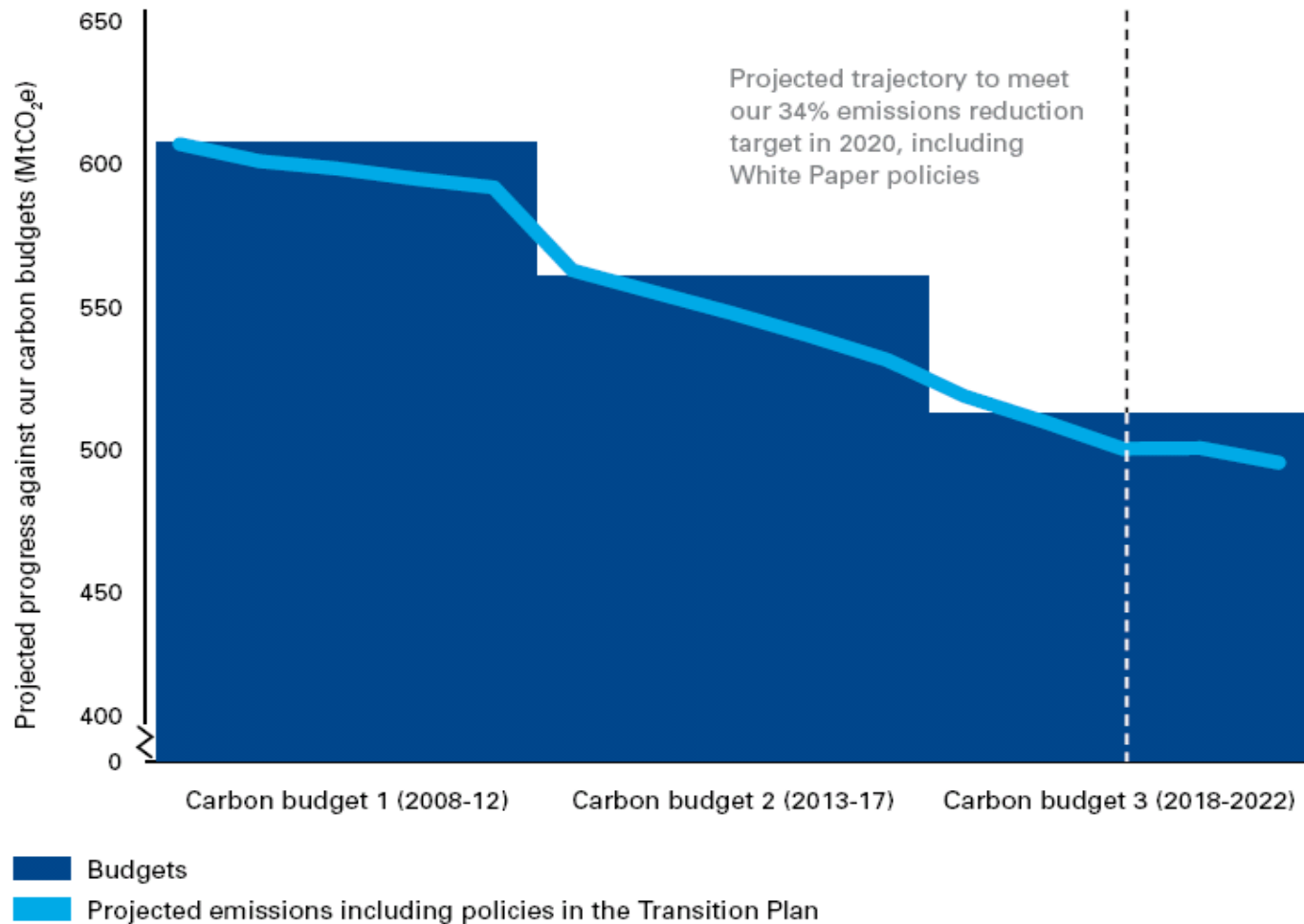


Source: Department of Energy and Climate Change

Note: The impact of policies prior to the 2007 Energy White Paper is included in the baseline; without these policies, UK emissions would be higher.

Chart 2

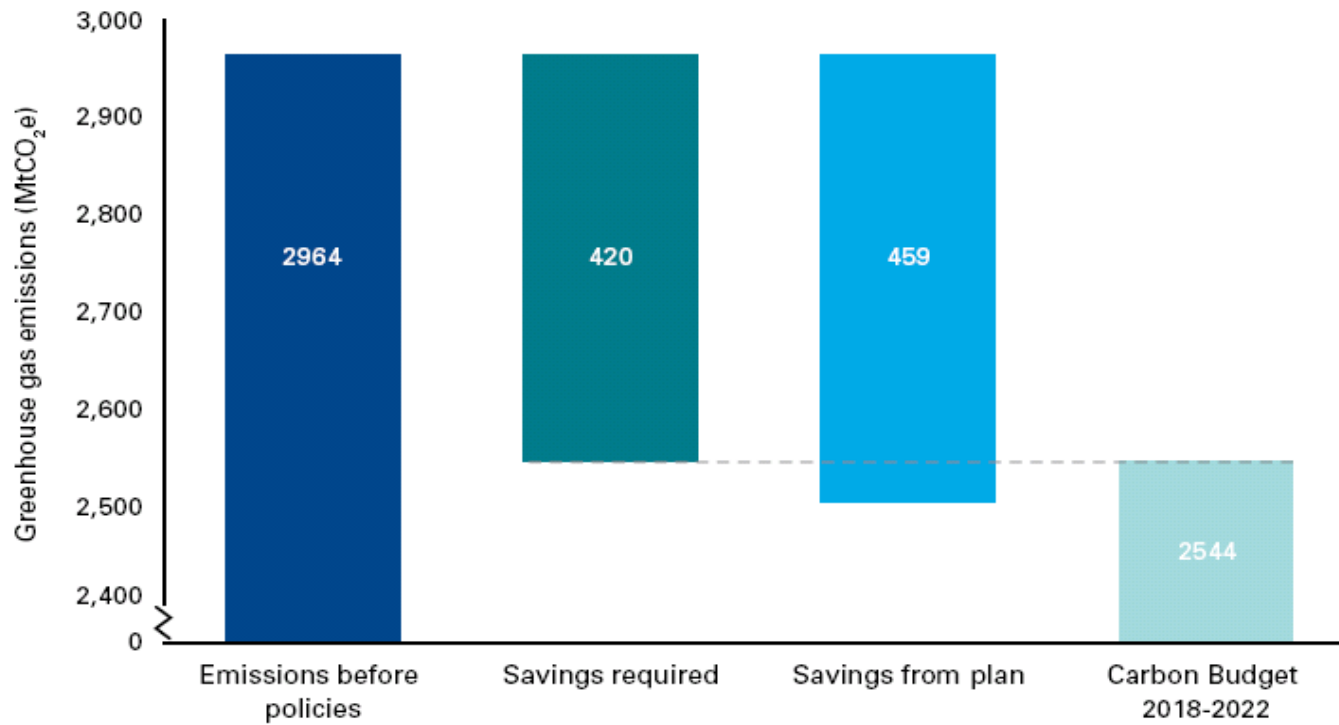
The UK's carbon budgets are equivalent to a 34% cut in greenhouse gas emissions in 2020.⁴



Source: Department of Energy and Climate Change

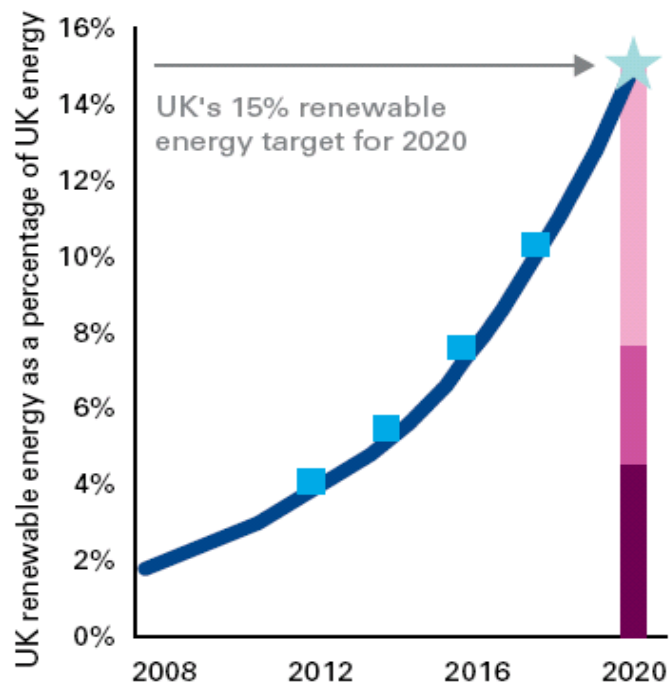
Chart 3

The UK Transition Plan will cut emissions by 459 million tonnes in the third carbon budget (2018-2022).



Note: Savings also include interaction effects. Refer to Table A1 for a full breakdown of carbon savings in the third budget period

Source: Department of Energy and Climate Change



- Renewable energy central projection
- interim targets between now and 2020
- Renewable heat
- Renewable transport
- Renewable electricity

Source: Department of Energy and Climate Change