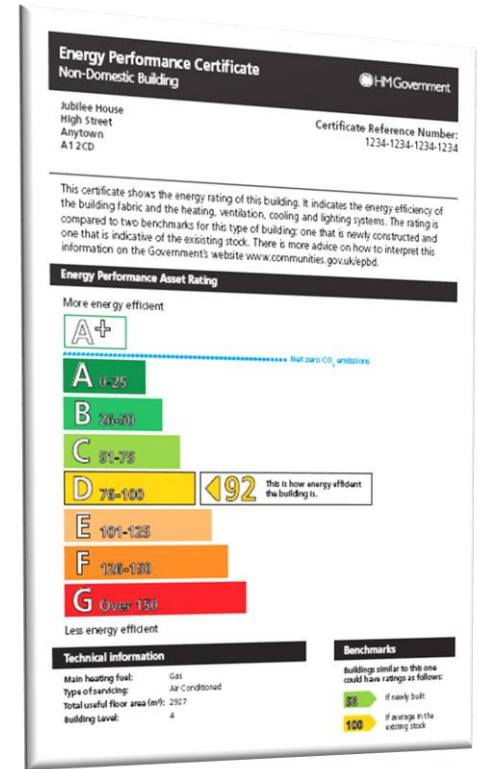
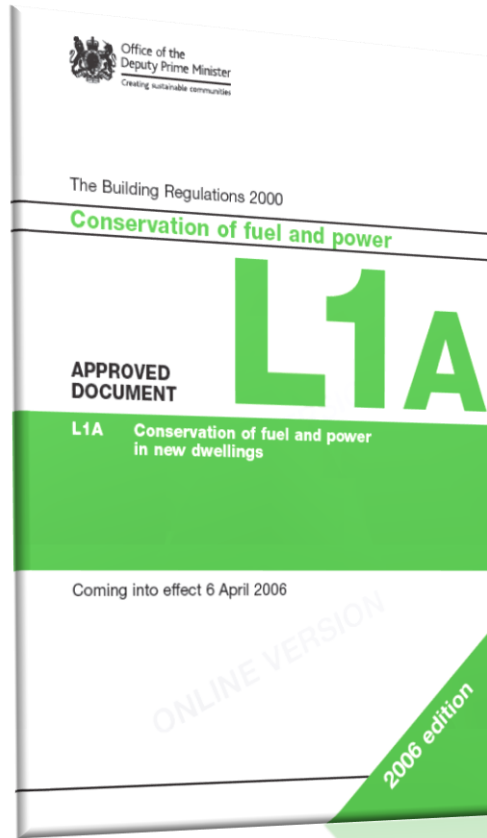
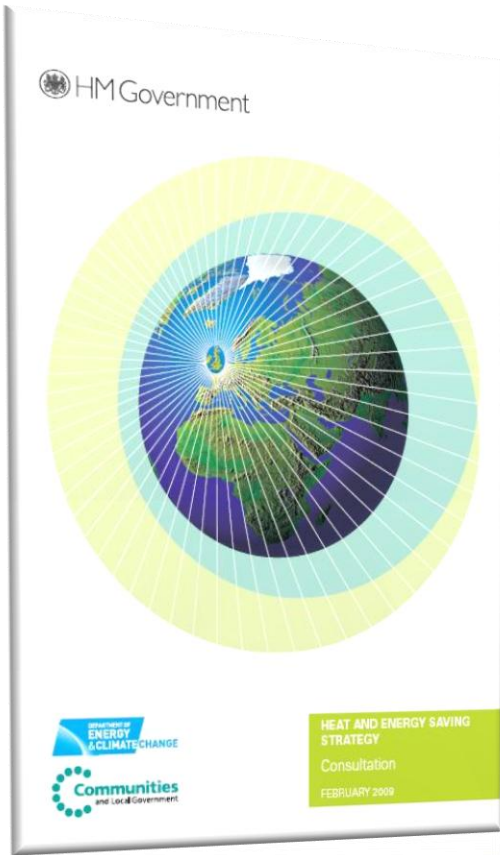




# LEGISLATION UPDATE

Nick Jones, Director



STRATEGY

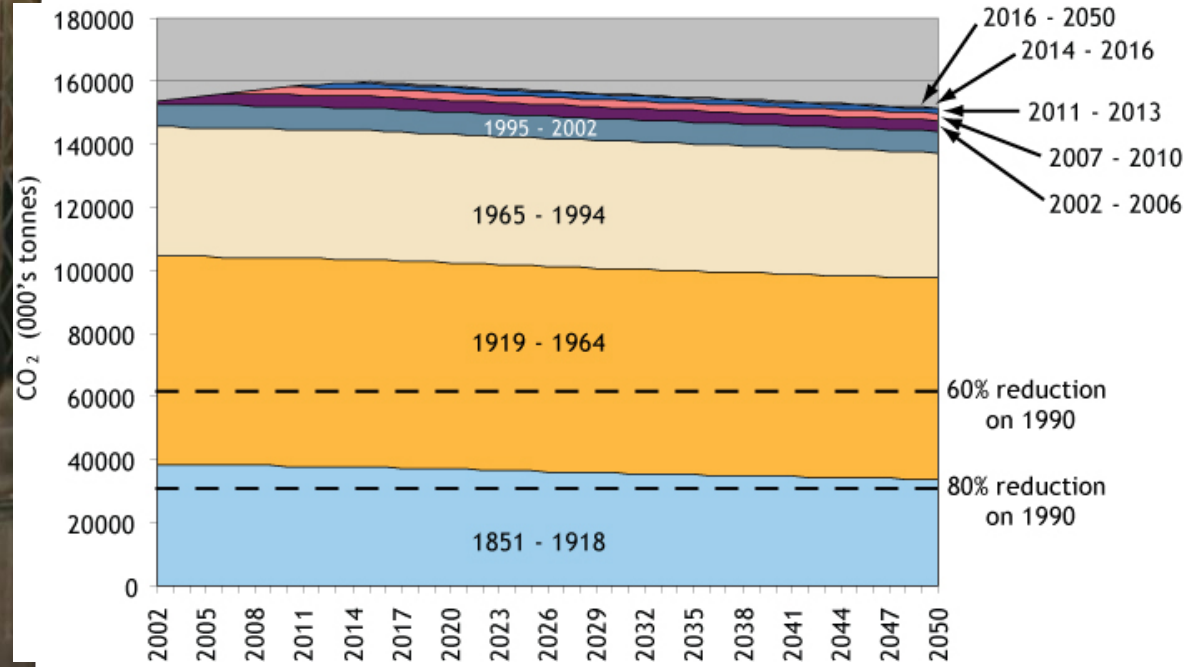
BRIEF

FEASIBILITY

DESIGN

CONSTRUCTION

OCCUPATION



STRATEGY

BRIEF

FEASIBILITY

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OCUPATION

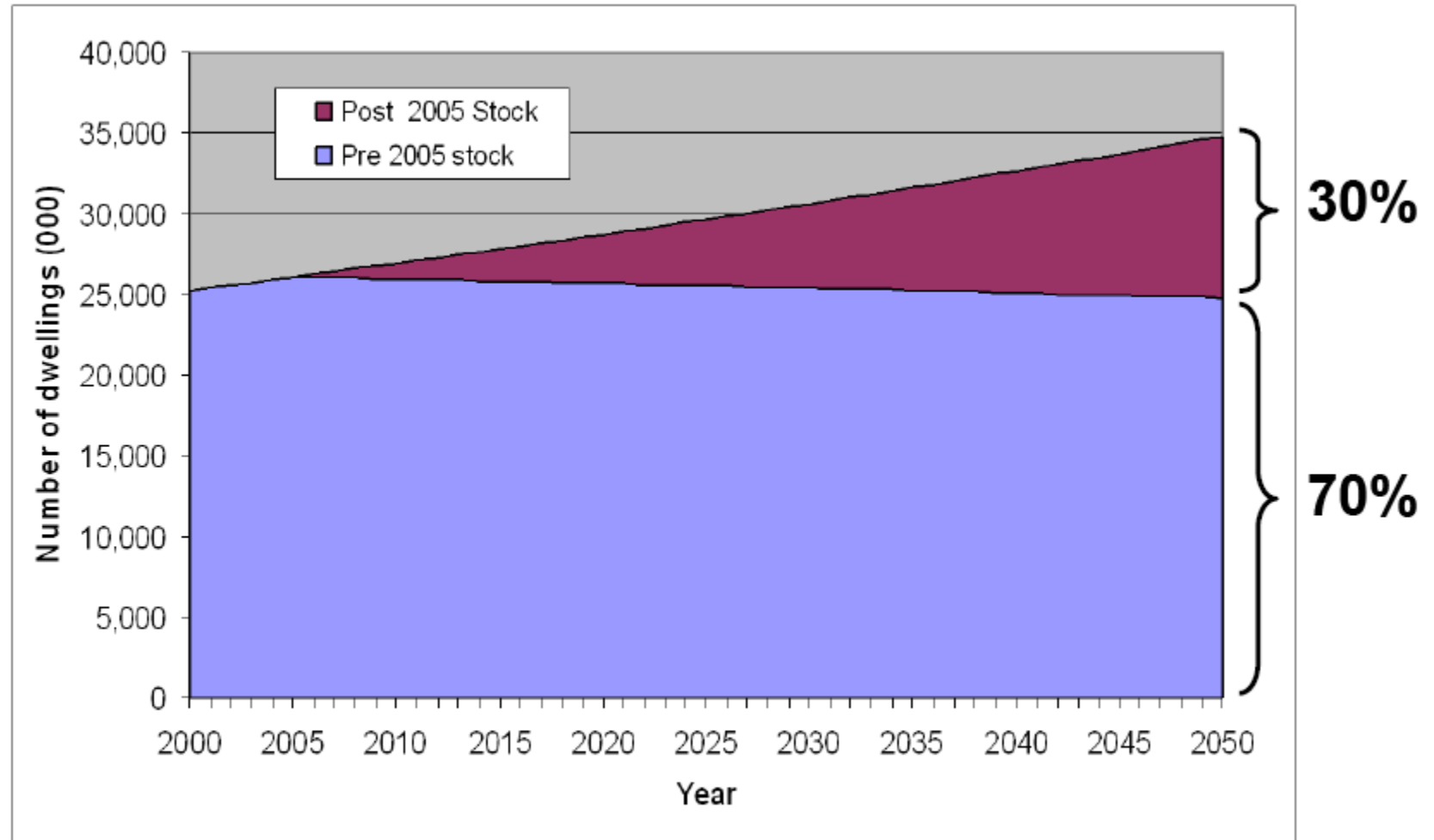


# Current changes and constulations

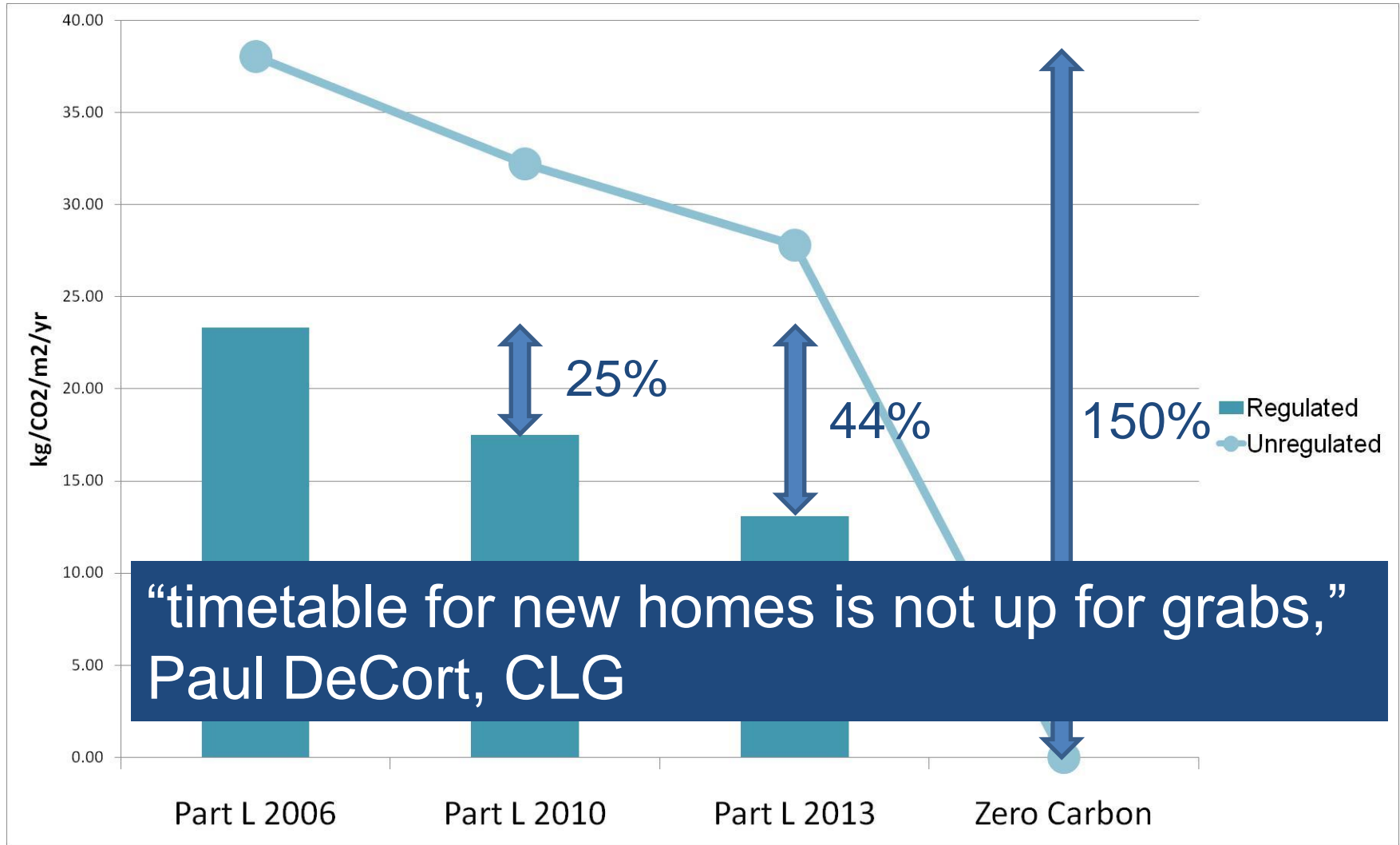
- Definition of zero carbon
- Part L
- SAP
- Heat and Energy Saving Strategy
- Community Infrastructure Levy
- CERT and CESP



# Newbuild or existing?

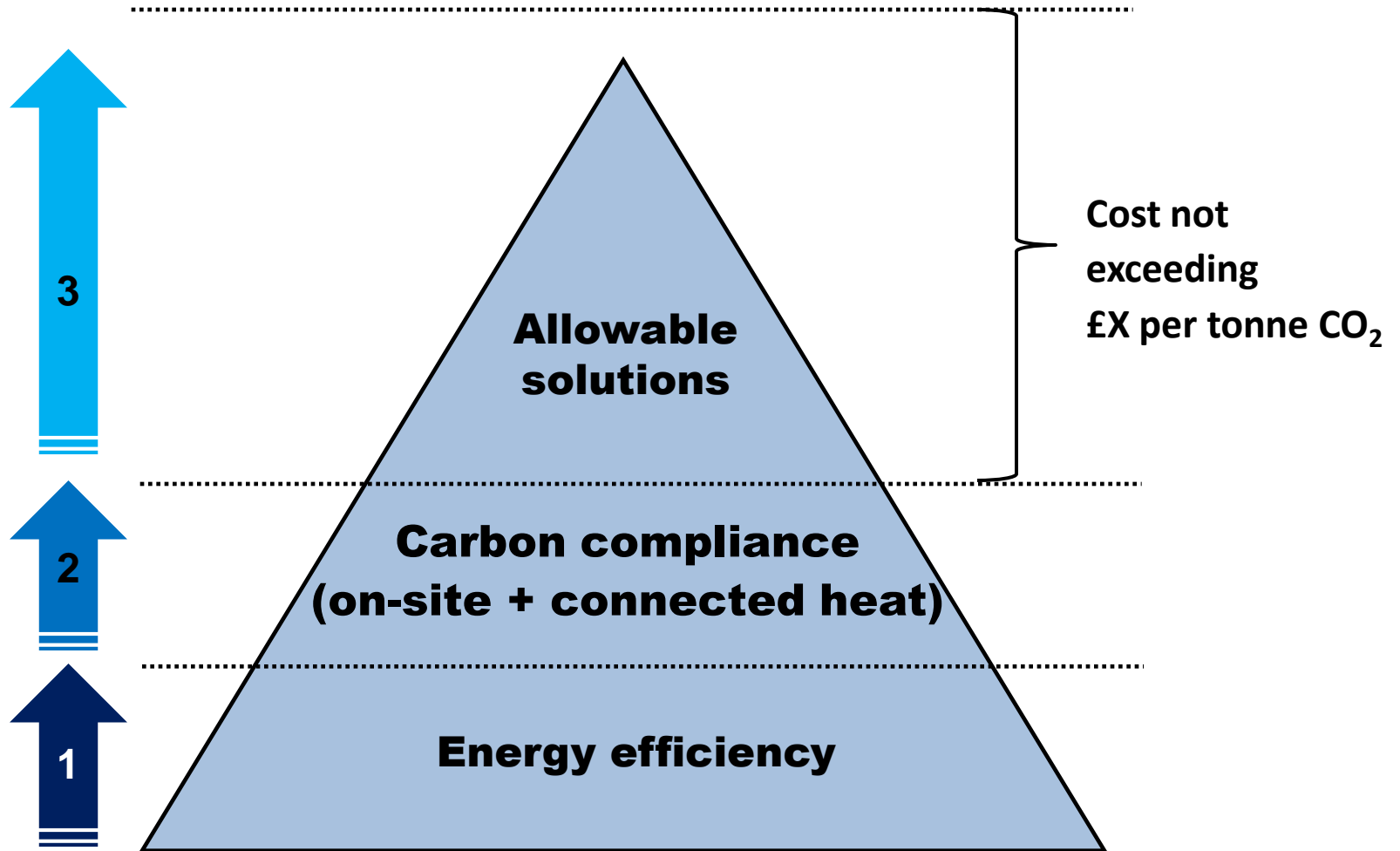


# Quest for zero carbon?





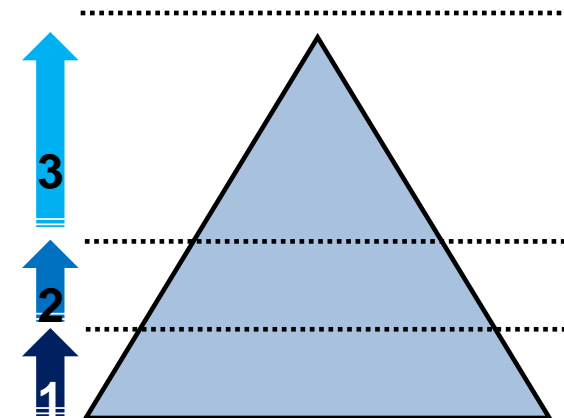
# Definition of zero carbon





# Definition of zero carbon

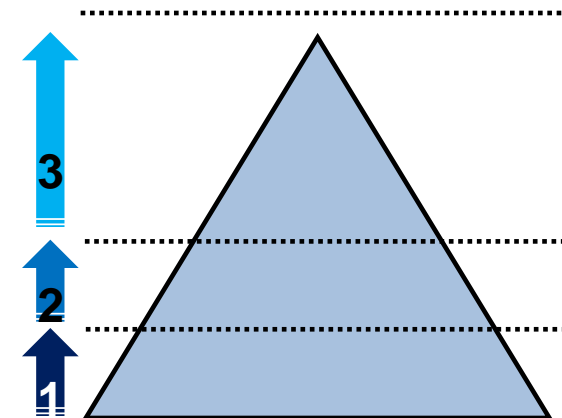
- Allowable solutions
  - Off site renewables?
  - Refurbish the existing stock?
  - Pay into fund (Section 106 or CIL)?
  - Export heat?
  - Anything else.....





# Definition of zero carbon

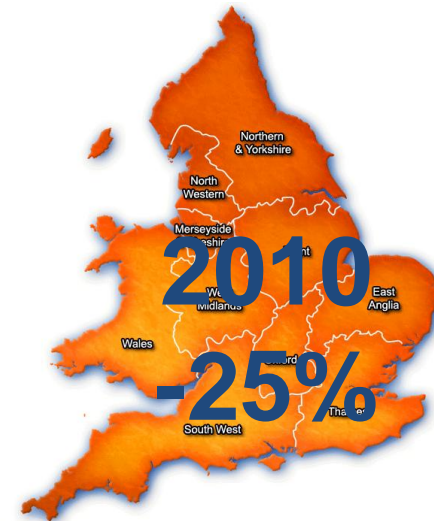
- Summary – big focus on fabric allowing us to concentrate efforts whilst gov't works things out.
- Long term – more 'trading' of heat → networks





# Part L

- 2006 – 20% reduction in CO<sub>2</sub>
- Additional fuel factors added
- New system based on old (evolution)
- 25% national target
- Fuel based targets proposed to ensure energy efficiency.
- Consultation documents expected imminently.





# Part L

- Could learn from Scottish system?

	Gas	LPG	Electricity	Etc.
Floor	0.18	0.16	0.13	
Walls	0.20	0.18	0.15	
Roof	0.14	0.12	0.11	
Windows	1.5	1.5	1.4	
Bridging	0.18			
Airtightness				
Ventilation				
Etc				

Values shown for illustration only

Possible?

Office of the Deputy Prime Minister  
Creating sustainable communities

The Building Regulations 2000  
**Conservation of fuel and power**

**DRAFT APPROVED DOCUMENT**  
Subject to amendment prior to final publication

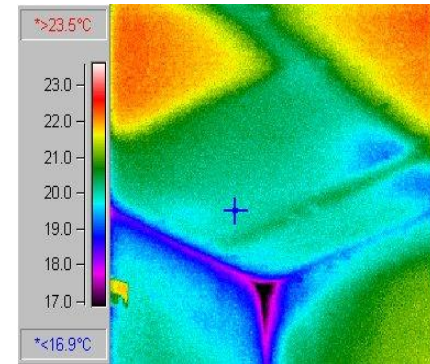
**L1A** Work in new dwellings (2006 edition)

**Draft 2006 edition**  
subject to amendment



# Part L

- Greater focus on airtightness and ventilation (getting it right)
- Greater attention on detailing
- Specification to be part of Regs submission
- No advantage given to biomass
- Changes to Code required?
- Consequential works for existing dwellings.



# Standard Assessment Procedure (SAP)

- ‘Criticism’ of existing arrangements
- Plugs many of the earlier gaps in assumptions
- New emissions factors CO<sub>2</sub>e – could hit electricity quite hard
- Unclear connection with existing buildings and RdSAP (EPCs etc)
- Party walls, construction detailing
- Inclusion of air-conditioning
- More inputs required...or.. punishing defaults



# Heat and Energy Saving strategy

- Consultation closed 8<sup>th</sup> May
- Long term all buildings zero - 2050
- All lofts & cavities insulated - 2015
- Whole house package (EE & RE) - 2030
- Low carbon heat very important
- Wider scope for building regulations





# Heat and Energy Saving strategy

- Big push on renewables - 24m homes.
- Increase in low carbon district heating.
- Design homes *capable* of connecting to other systems.
- Largely householder-funded
  - Subsidised finance? Link to property.
  - Incentives? FITs, RHI
- Low-cost HEAs



# Community Infrastructure Levy (CIL)

- Section 106 expanded? – £1000/dwelling?
- Wider remit on where to spend money
- Plans must be declared
- Must support local/regional infrastructure & national projects enabling local development.
- Delayed in budget until April 2010



# Carbon emissions reduction target (CERT)



- 20% extension of existing (2008) CERT (+£200m p.a.)
- Standard energy efficiency measures
- Energy advice
- Novel measures / R&D (with monitoring)



# Community Energy Saving Programme (CESP)



- Big schemes
- Unusual measures
- Micro-generation
- District heating connections
- 100 schemes covering 90,000 homes
- £350m, via the energy suppliers





# LEGISLATION UPDATE

Nick Jones, Director