Rob Pannell Zero Carbon Hub



DEFINING ZERO CARBON HOMES HAVE YOUR SAY

ROB PANNELL

FACILITATING THE MAINSTREAM DELIVERY OF LOW AND ZERO CARBON HOMES



ROLE OF THE ZERO CARBON HUB

BACKGROUND

- Nov 2006 announcement of zero carbon new homes 'aspiration' from 2016
- Dec 2006 Launch of the 2016 Task Force
- Nov 2007 Callcutt Review reports
- Jul 2008 Building A Greener Future
- Jul 2008 Zero Carbon Hub announced
- Dec 2008 Government launch consultation on revised definition of zero carbon







ROLE OF THE ZERO CARBON HUB

WHY?

- Government and the house-building, construction products and energy supply industries should jointly sponsor a delivery unit to monitor, co-ordinate and guide the zero carbon programme." - Callcutt Nov 07
- The challenge:
 - an unprecedented performance step change (with associated risks)
 - whilst increasing house-building delivery by >40%
 - on a short timescale



ROLE OF THE ZERO CARBON HUB

PURPOSE AND STRATEGIC OBJECTIVES

Facilitate the mainstream delivery of low and zero carbon homes

- Provide leadership and create confidence
- Reduce risk and clear obstacles
- Disseminate information







ZERO CARBON CONSULTATION





JOURNEY TO ZERO CARBON HOMES





AUDIENCE PERCEPTIONS

Disagree

What is the reduction target for zero carbon homes?

4	44%?	60%?	80%?	100%?	150%? or 2	200%?
		4	1.1%	36.5% 1	9.3%	
	These delegates significantly under- estimated the reduction target		egates tly under- l the target	These delegates thought 100% was the reduction target	Correct	_

Should Government legislate for high	47.4%	42.4%	
standards for 2016?	Strongly agree	Agree	Don't know Strongly disagree



ENERGY EFFICIENCY - 2016 CHALLENGES





CARBON COMPLIANCE









ALLOWABLE SOLUTIONS – PERCEIVED POTENTIAL





HARMONISING DEFINITIONS

Should the energy section of the Code for Sustainable Homes be revised to reflect the outcome of this Consultation?





VALIDATION AND ENFORCEMENT - CARBON COMPLIANCE

Is the building control system the right regulatory framework for carbon compliance?





VALIDATION AND ENFORCEMENT - ALLOWABLE SOLUTIONS

Who do you think is best placed to enforce the allowable solutions?



CONCLUSIONS

ZERO

Awareness

ZERO CARBON

> Costs Complexity

DEFINING ZERO CARBON HOMES

HAVE YOUR SAY

Validation and enforcement