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Delivering Good Homes: why performance matters

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Introducing the CIEH



- A Royal Charter professional membership body for public and environmental health professionals
- A charity investing in public health innovation and education through the delivery and dissemination of best practice
- A major international provider of a wide range of accredited vocational qualifications
- Thought leader in public and environmental health and local, regional and global policy development
- Wholly independent of Government
- Has a worldwide footprint: UK, Middle East, Far East and US



Indoor air quality

- Outdoor (ambient) air pollution claims the equivalent of 29,000 lives a year in the UK
- The air we breathe in our homes can be three times more polluted*
- Pollutants include carbon monoxide (CO), nitrogen dioxide (NO₂), volatile organic compounds (VOCs) and particulate matters e.g. PM_{2.5}

- C. Tan, K.N. Finney, Q. Chen, N.V. Russell, V.N. Sharifi and Swithenbank, J. (2012) Experimental investigation of indoor air pollutants in residential buildings





Delivering good air quality

- All fuels awareness
- Cooking and heating equipment safely maintained
- Safety alerts – smoke, CO monitors
- Adequate ventilation





Standards of ventilation

- Some pollutants enter from outside (traffic, industry)
- Some are created inside (cooking, heating and smoking)
- 90 per cent of our time spent indoors
- EnVIE report 2011 “Promoting actions for indoor air quality”





Standards for ventilation II

- For non-residential buildings, Building Regs and BS:EN 13779:2007 (BS:EN 779:2012) – low energy air filters
- For dwellings, Building Regs and Part 1 Housing Act 2004 (HHSRS)
- Enforcement by environmental health (no one Govt Department has responsibility)



Natural light

- Daylighting and solar shading
- Building Regs
- Limiting heat gains and losses
- Reduce energy consumption
- Effect of natural light on wellbeing





Thermal comfort

- Annual toll of “excess winter deaths” (20,000 – 30,000 a year)
- Bear in mind climate change and heat waves
- Building Regs, (zero carbon homes?), insulation and Green Deal
- Part 1 Housing Act 2004 (HHSRS)



Overall aim of good homes for all

- Good homes – quality products
- Health and wealth of the occupants
- Public health and wellbeing
- England's new public health system
from April 2013

Thank you for listening



Any questions or comments?

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