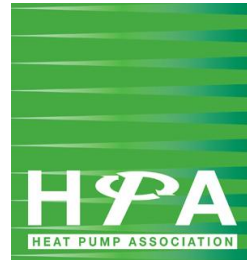


Nearer to Zero: Central London

8th July 2014

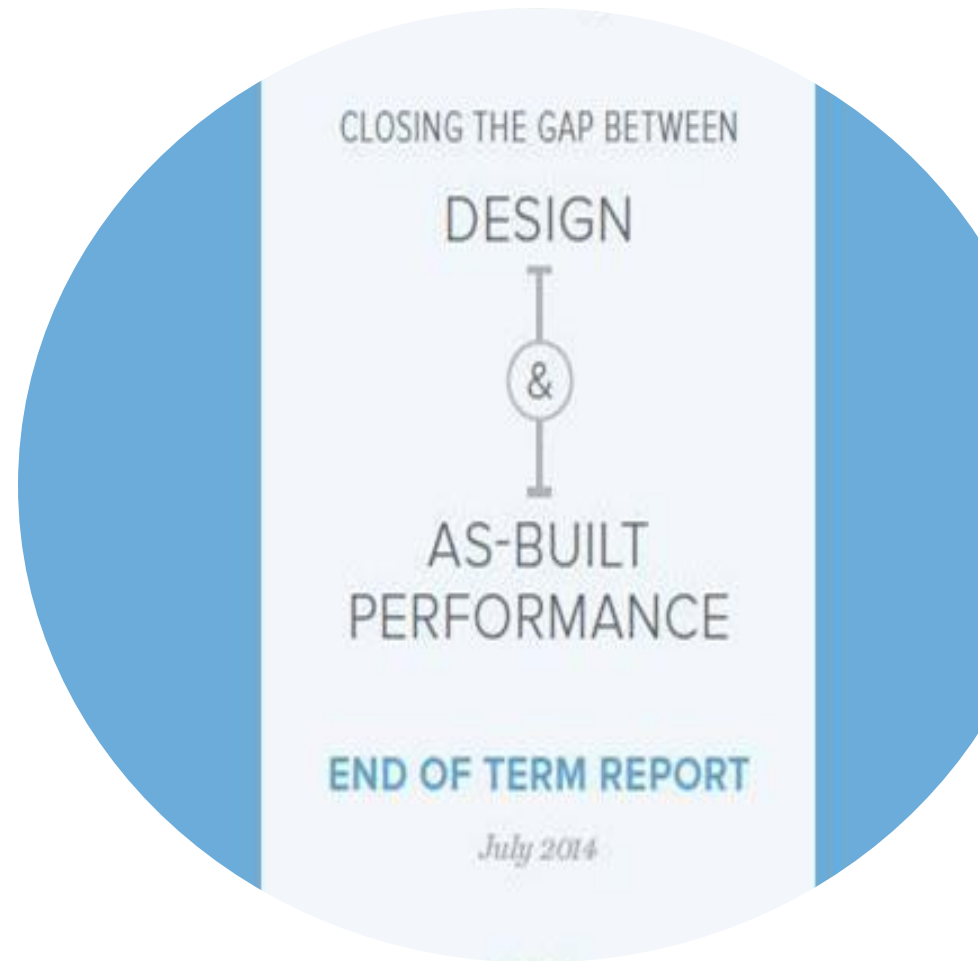


City of Westminster



THE “PERFORMANCE GAP” PROJECT

Neil Jefferson
Chief Executive
Zero Carbon Hub



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
- Disseminate information



Why this project is important to industry

- Improving quality throughout the process
- Improving occupant satisfaction
- Levelling the 'playing field'
- Improving links across industry to reduce overall costs
- An alternative to Regulation

The 2020 Ambition

“From 2020, to be able to demonstrate that at least 90% of all new homes meet or perform better than the designed energy/carbon performance”

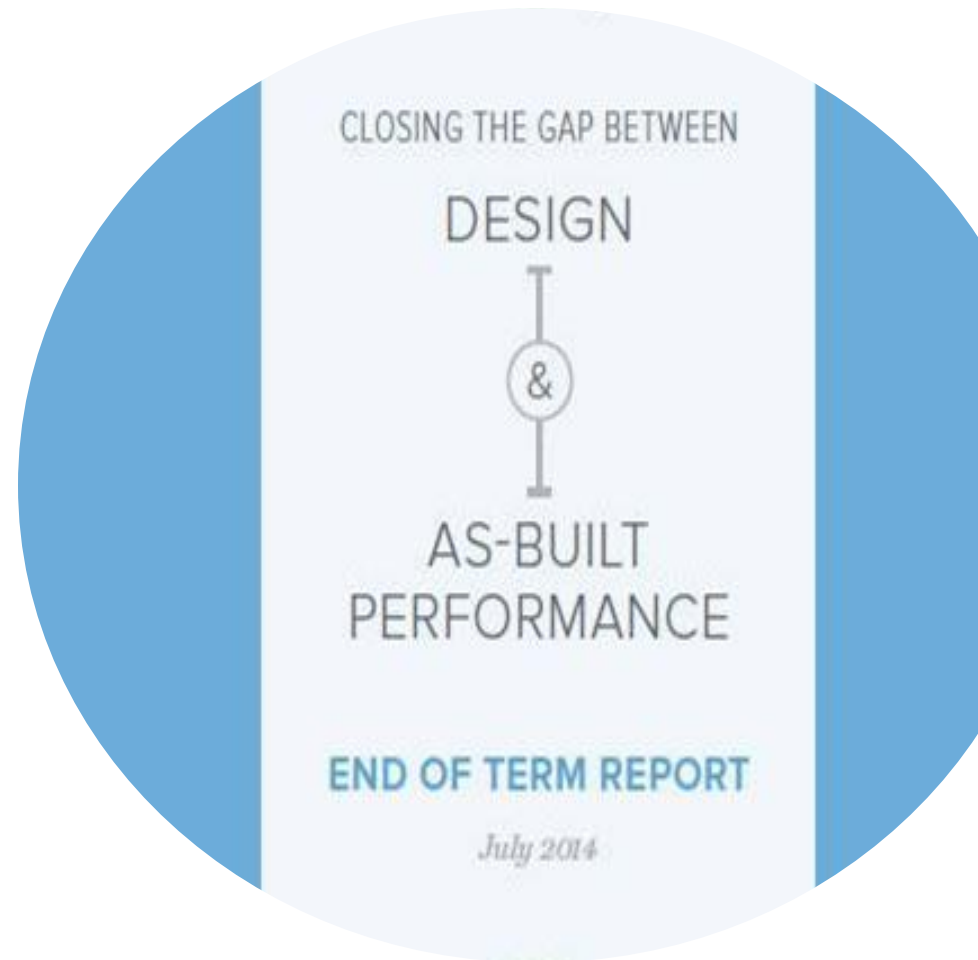


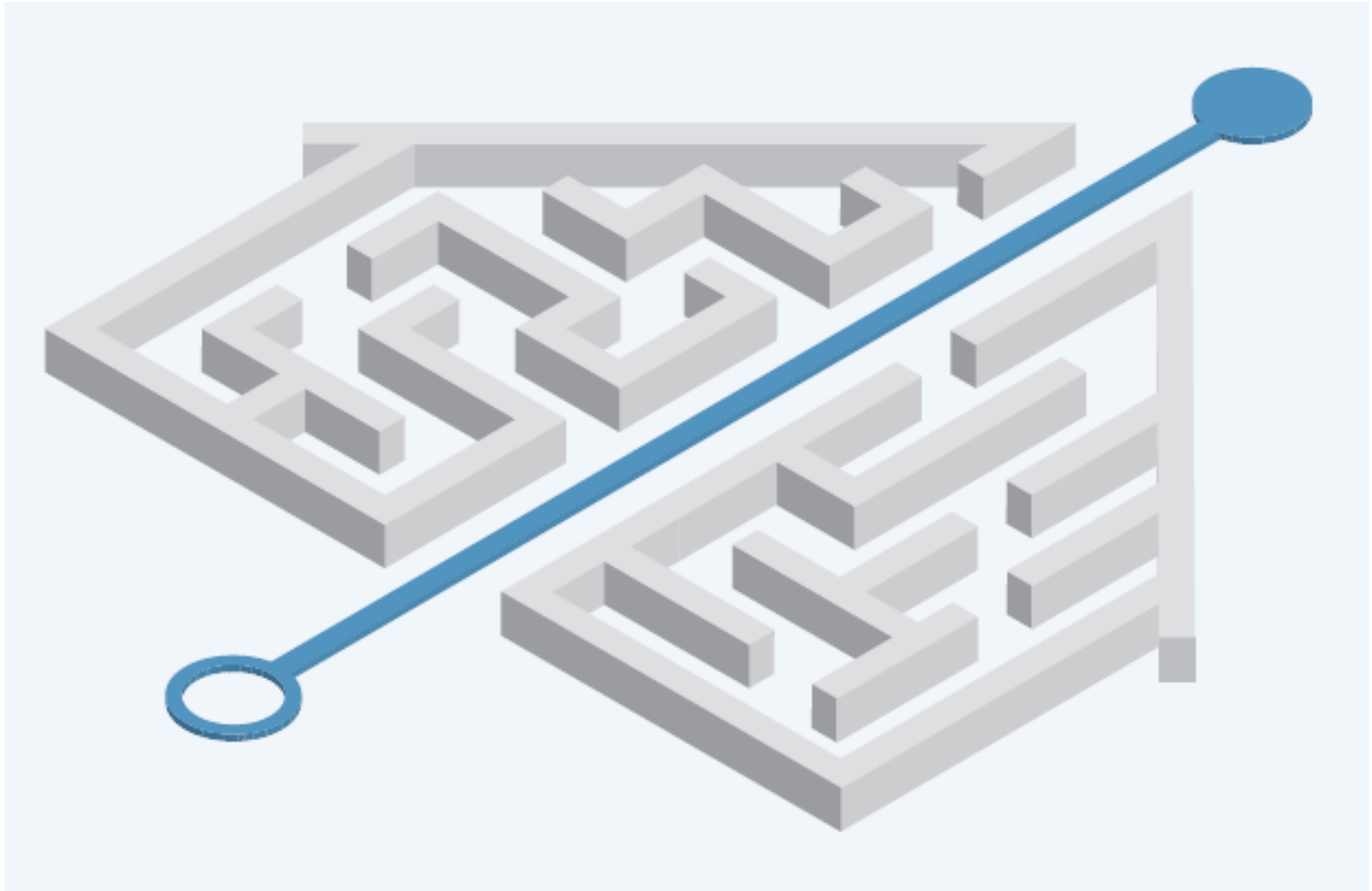
THE “PERFORMANCE GAP” PROJECT

Rob Pannell

Managing Director

Zero Carbon Hub









INDUSTRY RECOMMENDATIONS



Industry Recommendations

PERFORMANCE ASSESSMENT R&D

1) Undertake the research and development necessary to create innovative testing, measurement and assessment techniques to understand the Performance Gap and develop commercially viable methodologies acceptable across industry for 'demonstrating performance'.



Industry Recommendations

SKILLS AND KNOWLEDGE DEVELOPMENT

2) Ensure that as-built energy performance knowledge, including learning from ongoing research and development, is embedded into training and up-skilling for professionals and operatives.



Industry Recommendations

CONSTRUCTION DETAILS SCHEME

3) Develop an industry owned and maintained construction details scheme providing ‘assured’ as-built energy performance for the most common major fabric junctions and systems.

Industry Recommendations

CONTINUED EVIDENCE GATHERING

4) Support further evidence gathering processes and coordinated feedback to ensure accelerated continual improvement across all sectors of industry.





GOVERNMENT RECOMMENDATIONS

Government Recommendations

SIGNAL CLEAR DIRECTION

1) Clearly indicate that, in place of immediate additional regulation, it expects the construction industry to act now and have put in place a number of measures to ensure that the energy Performance Gap is being addressed and to demonstrate this by 2020.



Government Recommendations

STIMULATE INDUSTRY INVESTMENT

2) Signal their long term intent, by funding research and development into testing, measurement and assessment techniques with immediate effect, to support the industry in providing the information necessary to quantify the Performance Gap and create the learning loops required to drive continuous improvement.

Additionally provide pump prime funding to enable industry to develop a construction details scheme.



Government Recommendations

STRENGTHEN COMPLIANCE REGIME

3) Take action by 2016 to ensure that the Zero Carbon Hub recommended revisions to energy modelling practices, SAP processes and verification procedures, together with a strong regime to ensure that only suitably qualified persons carry out energy modelling and assessment, can be put in place.



Government Recommendations

SUPPORT SKILLS & KNOWLEDGE DEVELOPMENT

4) Accelerate the demand for industry developed qualification schemes by requiring energy certified operatives and professionals for developments on public land from 2017.



Thank you to all involved!

