

How to Make Energy Efficient Buildings More Visible and Attractive

“Quizzing the Stakeholders”



25th June 2014

QUESTIONS & ANSWERS

Session 1:

Commission Buildings – Are they in line with EU directives?

- 1) How many buildings in Brussels are managed by the European Commission¹?
 - None
 - 3 - Only the Berlaymont, Charlemagne and Borschette
 - **73**
 - 27

- 2) Are the buildings owned and occupied by the Commission subject to the requirements of EU directives?
 - No – they are treated as a separate category as they are occupied by a supra-national institution
 - Yes – but the Commission decides on implementation as if it were a Member State
 - No – They are exempted from all requirements
 - **Yes – they are treated as any other building built in Belgium, subject to Belgian regulations**

- 3) Since when² has the Commission been monitoring energy use in the buildings it occupies?
 - Not relevant – they don't!
 - 2010
 - 2005
 - **2000**

- 4) When did the Commission first adopt a Buildings Policy³ that speaks about energy performance?
 - 1999
 - 2005
 - **2003**
 - Never, as they have no Buildings Policy

- 5) What has the average change⁴ in energy consumption of Commission Buildings, per m², been in the period 2005 to 2013?
 - +15%
 - -15%
 - No change
 - **-30%**

¹ Taken from the website of the OIB

² Date given to us by the OIB and appears in the leaflet that will be used for the info-point

³ Checked on the Commission website. Earliest document was in 1996 followed by a Communication in 1999, but these two did not mention energy performance!

⁴ Provided by the OIB and in the info leaflet

Session 2:

Energy Performance Certificates (EPC) – What Role, challenges, future?

- 1) In addition to its energy performance, what set of characteristics⁵ of a building **must** (according to the EPBD) be included on an EPC?
 - Recommendations for improvements, annual water consumption and annual CO₂ emissions
 - Annual primary energy consumption, sources for further information and recommendations for improvements
 - Embedded energy, annual CO₂ emissions and percentage of energy from renewable sources
 - **Sources for further information, recommendations for improvements and minimum energy performance requirements**

- 2) How many Member States⁶ have not yet (May 2014) fully transposed the EPBD (2012/31/EU)?
 - **16**
 - 20
 - 12
 - 8

- 3) What is the average observed increase in value of a property in the EU for a one-letter improvement in energy performance⁷?
 - 2%
 - **4%**
 - 8%
 - None

- 4) Public buildings⁸ with an overall area of 500m² are required to display their EPCs in a visible place. From 9th July 2015, the threshold will change to:
 - 1,000m²
 - 500m²
 - **250m²**
 - No threshold

- 5) The methodology⁹ for preparing the information that appears on an EPC is prepared according to:
 - Harmonised EU methodology
 - National methodology
 - Regional methodology
 - **A mix of the above**

⁵ Checked in Article 11 of the EPBD

⁶ The number was given by Commissioner Oettinger at the informal meeting of Energy Ministries Athens in May 2014.

⁷ From the Study for the European Commission published in 2013:

http://ec.europa.eu/energy/efficiency/buildings/doc/20130619-energy_performance_certificates_in_buildings.pdf

⁸ Answer taken from Article 13 of the EPBD

⁹ This question was devised to allow debate about the need for a harmonised approach in the future

Session 3:

Energy Efficient Buildings – Multiple benefits and need for ambition

- 1) What is the range of productivity improvements¹⁰ observed among occupiers of energy renovated buildings?
 - **1-9%**
 - 4-12%
 - 7-15%
 - No measurable improvement

- 2) An evaluation of the Irish *Warmer Homes Scheme* found a decrease in the number of recipients suffering from long-term illnesses or disorders¹¹. What was the percentage of this decrease?
 - **88%**
 - 52%
 - 24%
 - 12%

- 3) The EU imports a great proportion of its energy needs. This means that after the **18th June 2014** (EU Energy Dependence Day), the EU will be 100% dependent on imported energy for the rest of the year. If the building stock in the EU was fully energy renovated to its potential of an 80% reduction, on what date¹² in 2014 would EU Energy Dependence Day fall?
 - 16th July
 - 18th August
 - **6th September**
 - 29th October

- 4) A recent Danish survey¹³ looked at what motivates house owners to decide to energy renovate their houses. What % of house owners are motivated by improving the indoor climate?
 - 56 %
 - **47 %**
 - 34 %
 - 19 %

- 5) How many separate categories of benefits¹⁴ has the International Energy Agency identified as coming from energy efficient buildings?
 - **15**
 - 12
 - 9
 - 6

¹⁰ Taken from the presentation by Diana Urge-Vorsatz in Budapest to the Plenary of EuroACE

¹¹ From an evaluation undertaken by the Irish department of Social and Family Affairs, 2009

¹² Own calculation based on the methodology used for the speech to the Energy Ministers in Athens, May 2014

¹³ Taken from the article "Energy upgrading measures improve also indoor climate", Rehva Journal June 2014

¹⁴ Taken from the IEA Report *Spreading the Net: the Multiple Benefits of Energy Efficiency Improvements*. Available at:

<http://www.iea.org/publications/insights/name,26319,en.html>