EUFORES
16th Inter-Parliamentary Meeting on Renewable Energy and Energy Efficiency
"Security and growth potential in the Energy Union"

Energy Efficiency
"The new directive, architecture and key novelties"

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Paul Hodson
Head of Unit – Energy Efficiency Unit
DG ENER, European Commission
Energy efficiency myths

- It’s only a dream
- It’s only the economy
- It’s only a question of investment
It’s not a dream...
Variation industry energy consumption - European Union - Mtoe (2005-2014)

Source: Odyssee-Mure
It’s not only the economy...

Variation final energy consumption - European Union - Mtoe (2005-2014)

Source: Odyssee-Mure
Variation residential energy consumption - European Union - Mtoe (2005-2014)

Source: Odyssee-Mure
It’s not all about investment...
Building permits index (2010=100)

Source: Eurostat, data table "sts_cobp_q", quarterly data, seasonally and calendar adjusted, (2010=100)
Total construction, buildings and civil engineering activity index (2010=100)

Source: Eurostat, data table "sts_copr_a", 2000-2015, monthly data, seasonally and working day adjusted
What is it about?

What is the cause of the progress that Europe is making in energy efficiency?

Behavioural change?
Voluntary upgrades?
“Natural” turnover of capital assets?
Between 1995 and 2014 the average consumption of new cars in the EU decreased by 34%.

The share of refrigerators meeting the highest energy efficiency labelling classes (A+ and above) increased from less than 5% in 1995 to 98% in 2014.

New dwellings built today consume on average 40% less than dwellings built 20 years ago.
Final consumption of residential with climatic corrections per m2 with (koe/m2)

Source: Odyssee-Mure
Market transformation

EU: efficiency classes of washing machine sales

Source: Top Ten EU

Data: GfK
Graph: Topten.eu
Paul Hodson

Paul.Hodson@ec.europa.eu
DG ENER, Unit C3, European Commission
Website: http://ec.europa.eu/energy/efficiency/index_en.htm