



European
Commission



RENOVATE EUROPE DAY 2016
Setting the EU vision: NZEB Building Stock
by 2050
The answer to boost EU jobs, growth and
SMEs

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

Brussels, 13 October 2016

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

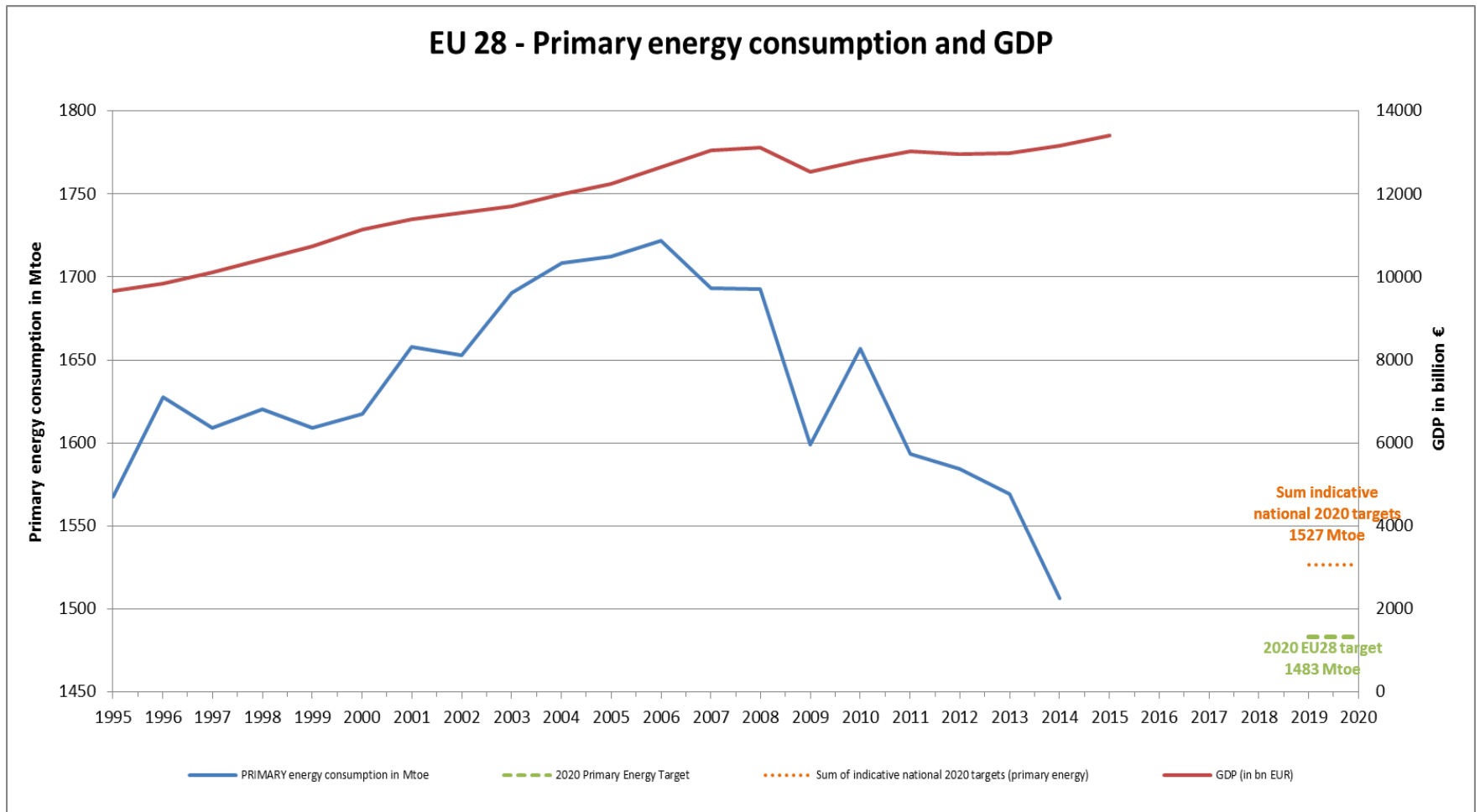
Energy efficiency myths

- It's only a dream
- It's only the economy
- It's only a question of investment



European Commission

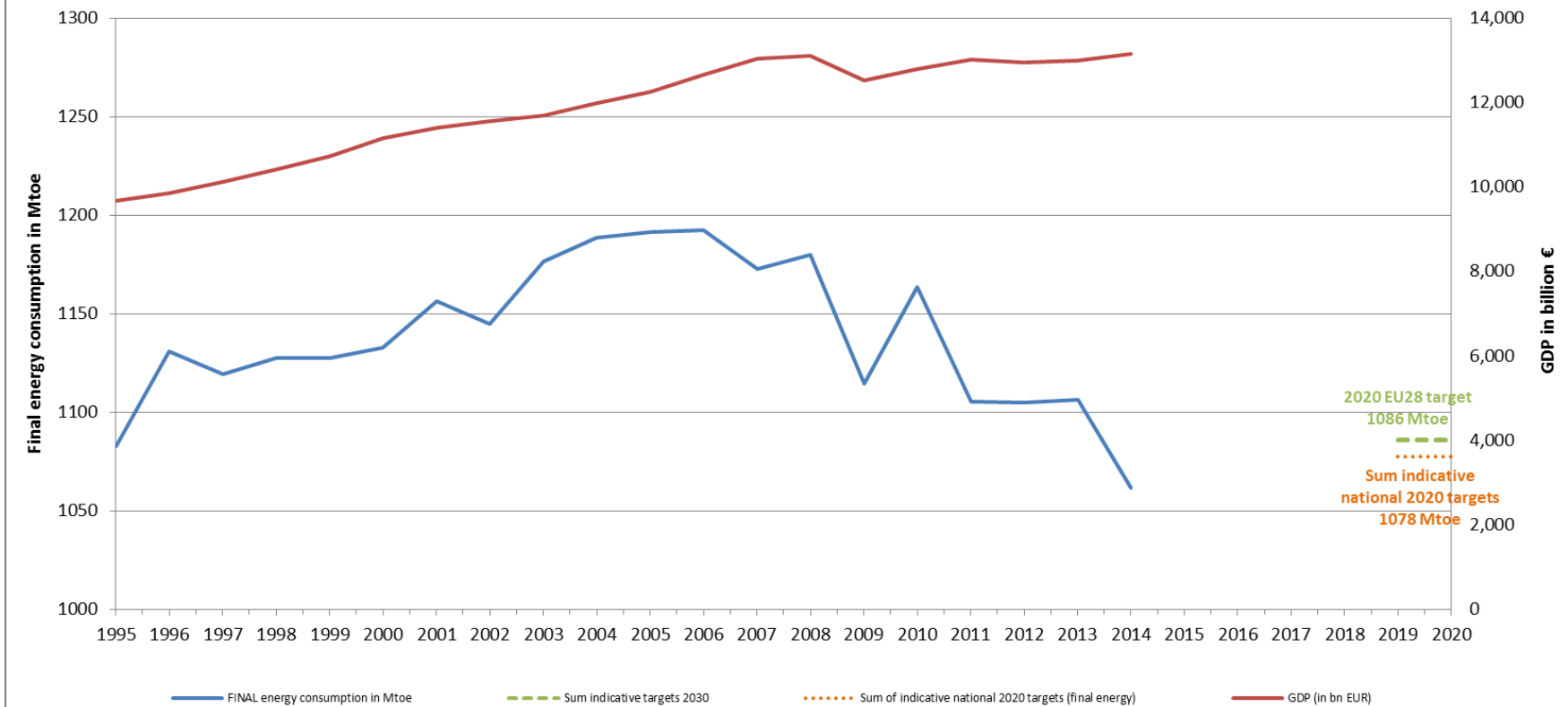
It's not a dream...



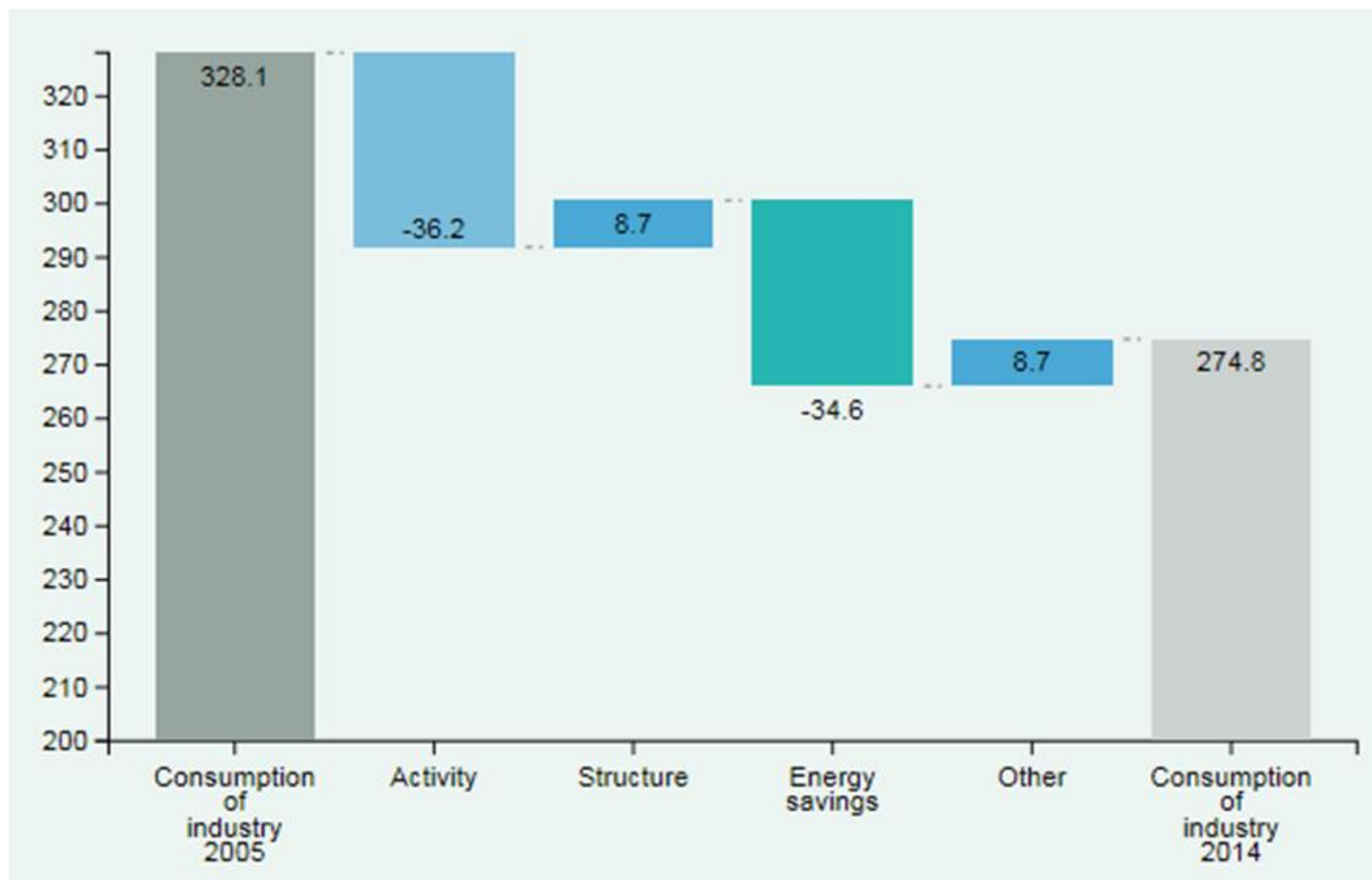


European
Commission

EU 28 - Final energy consumption and GDP



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

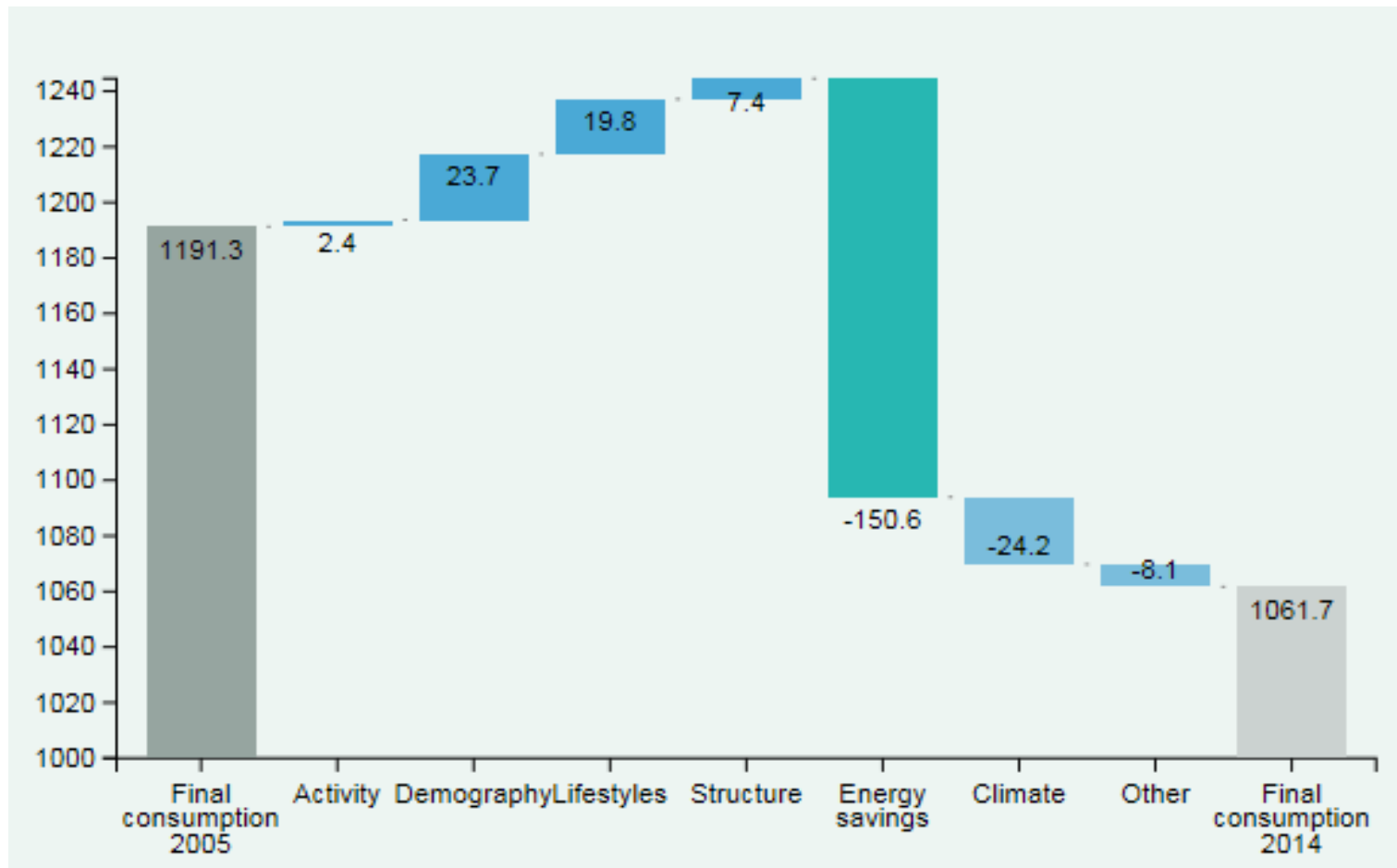




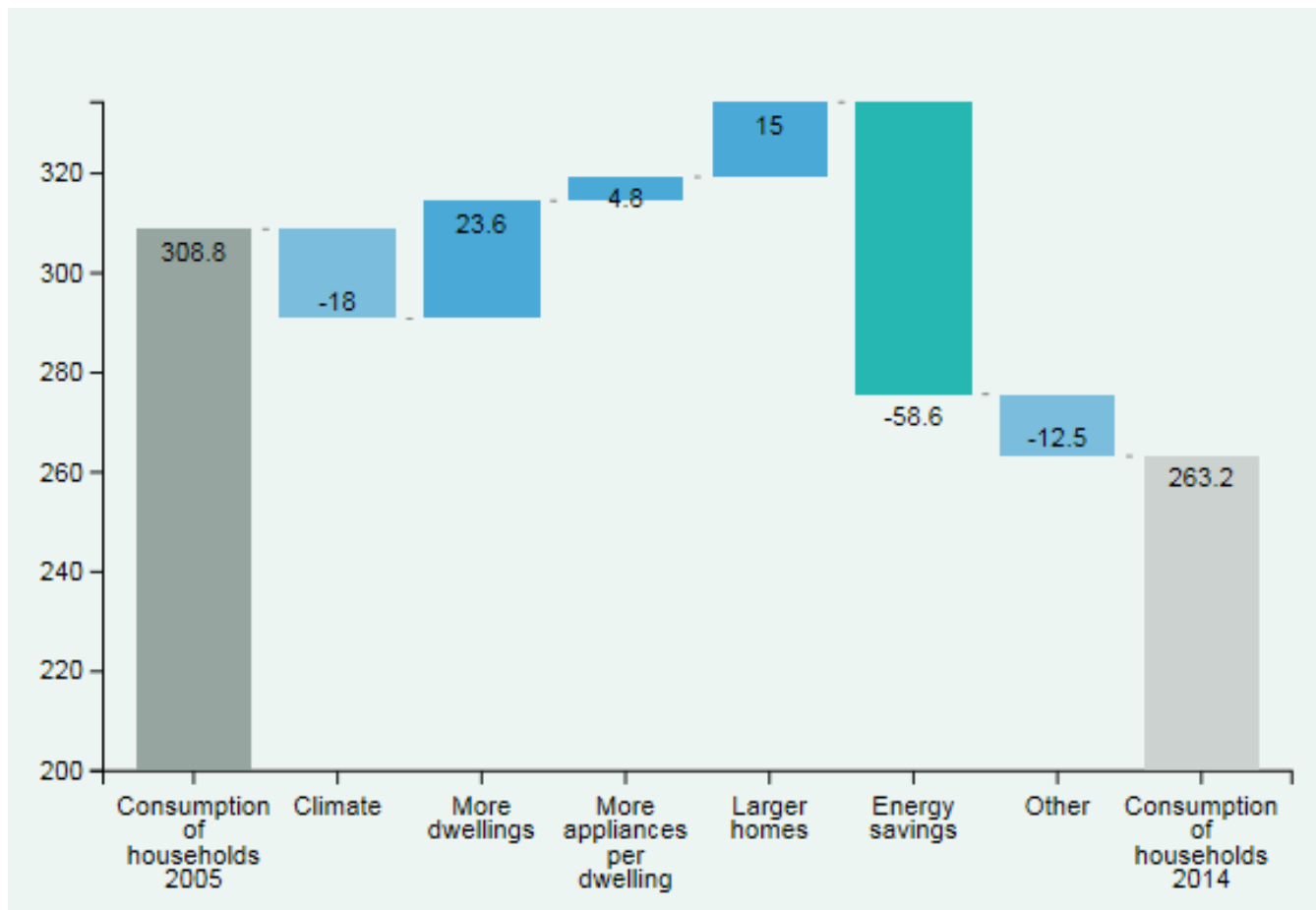
European
Commission

It's not only the economy...

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



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

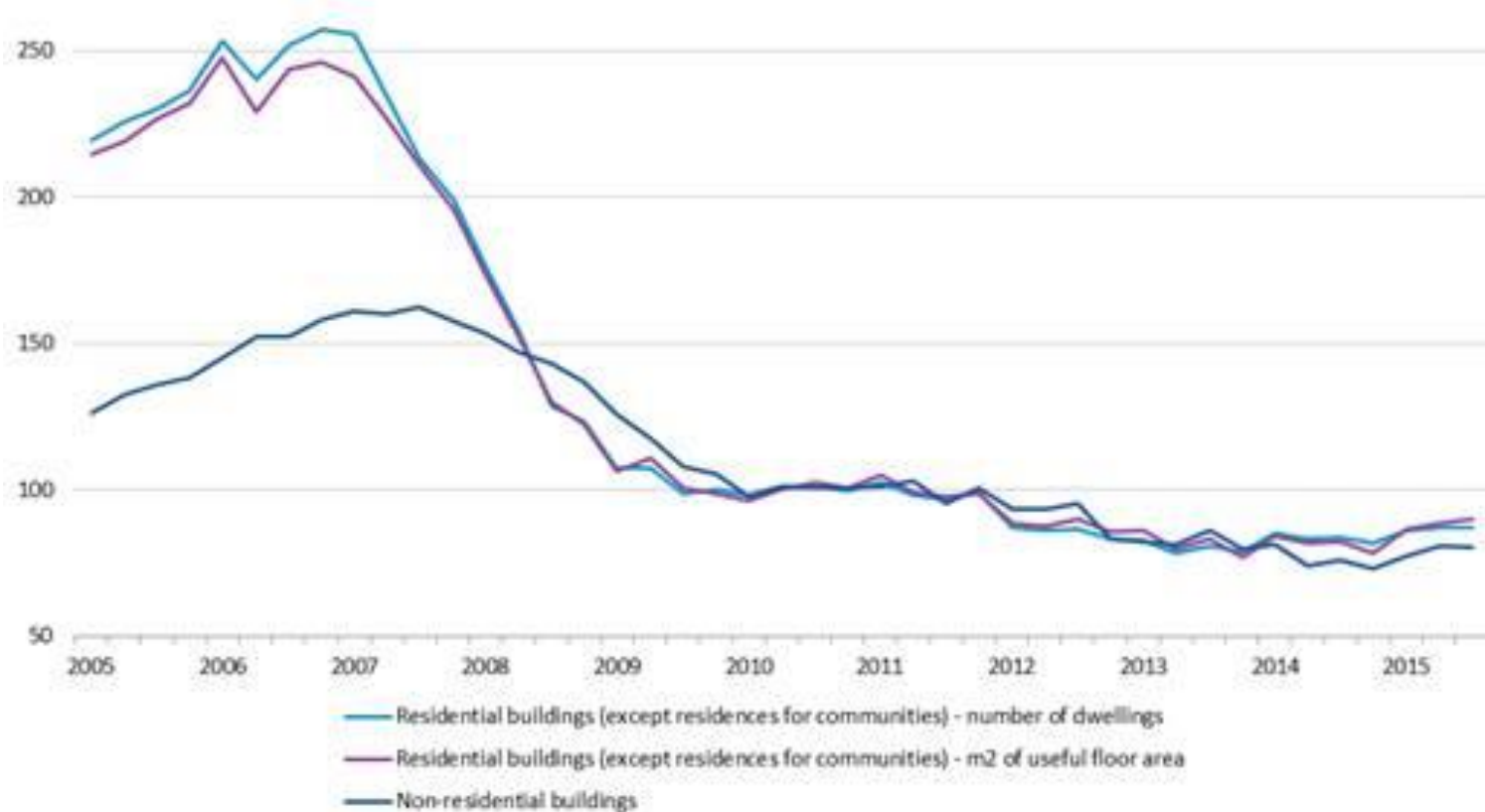




European
Commission

It's not all about investment...

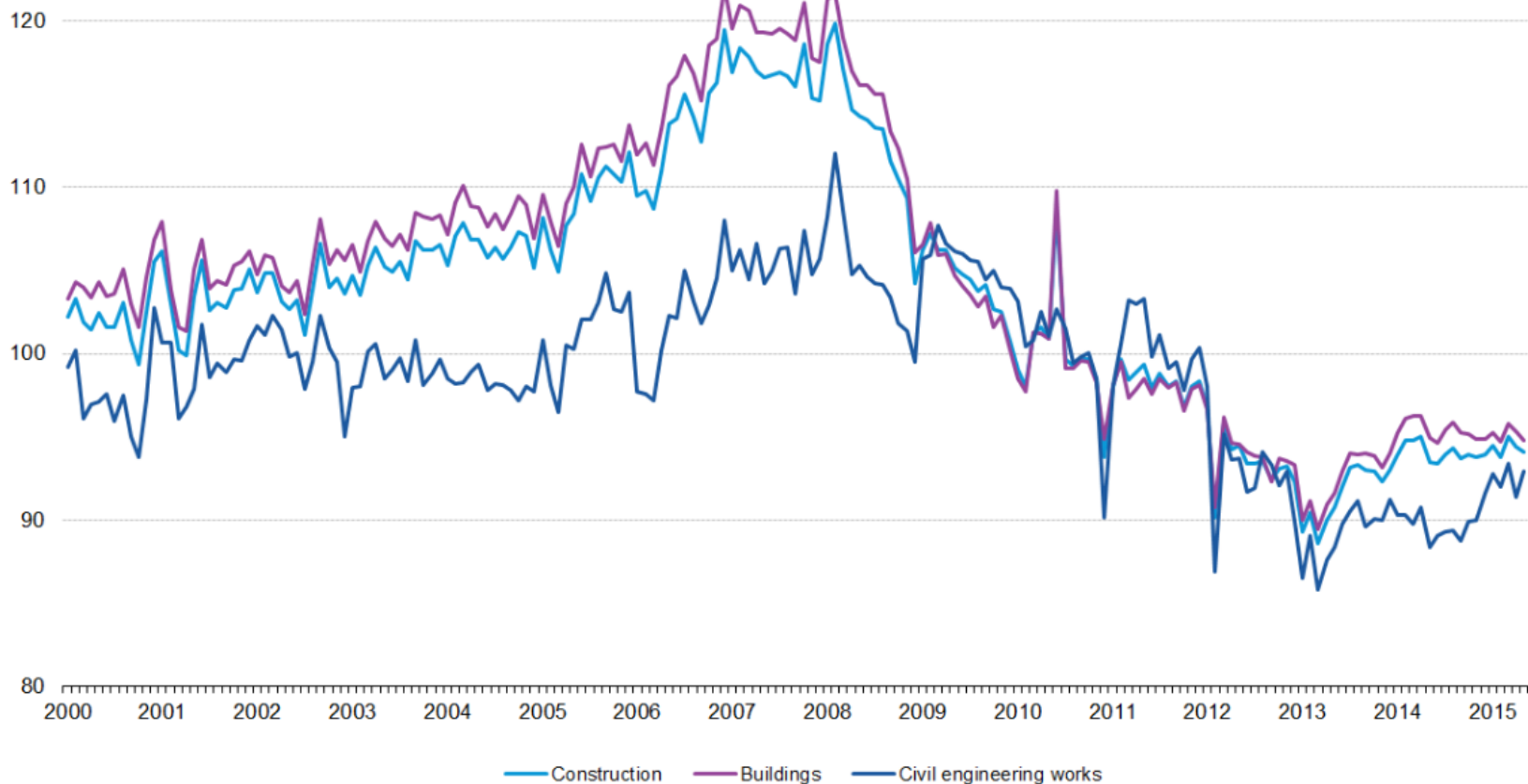
Building permits index (2010=100)





European
Commission

Total construction, buildings and civil engineering activity index (2010=100)



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?



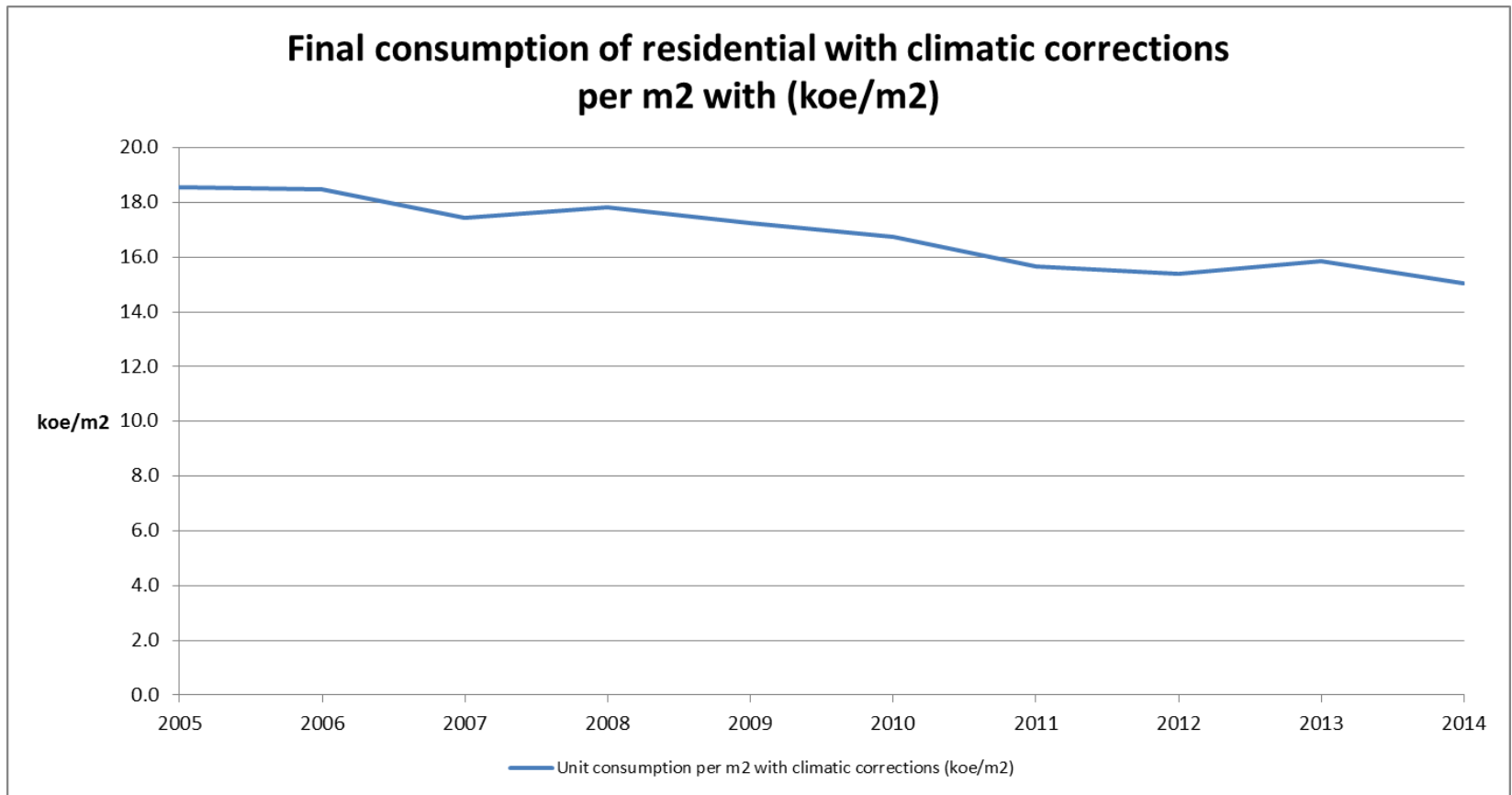
The share of refrigerators meeting the highest energy efficiency labelling classes (A+ and above) increased from less than 5% in 1995 to 98% in 2014.



Between 1995 and 2014 the average consumption of new cars in the EU decreased by 34%.



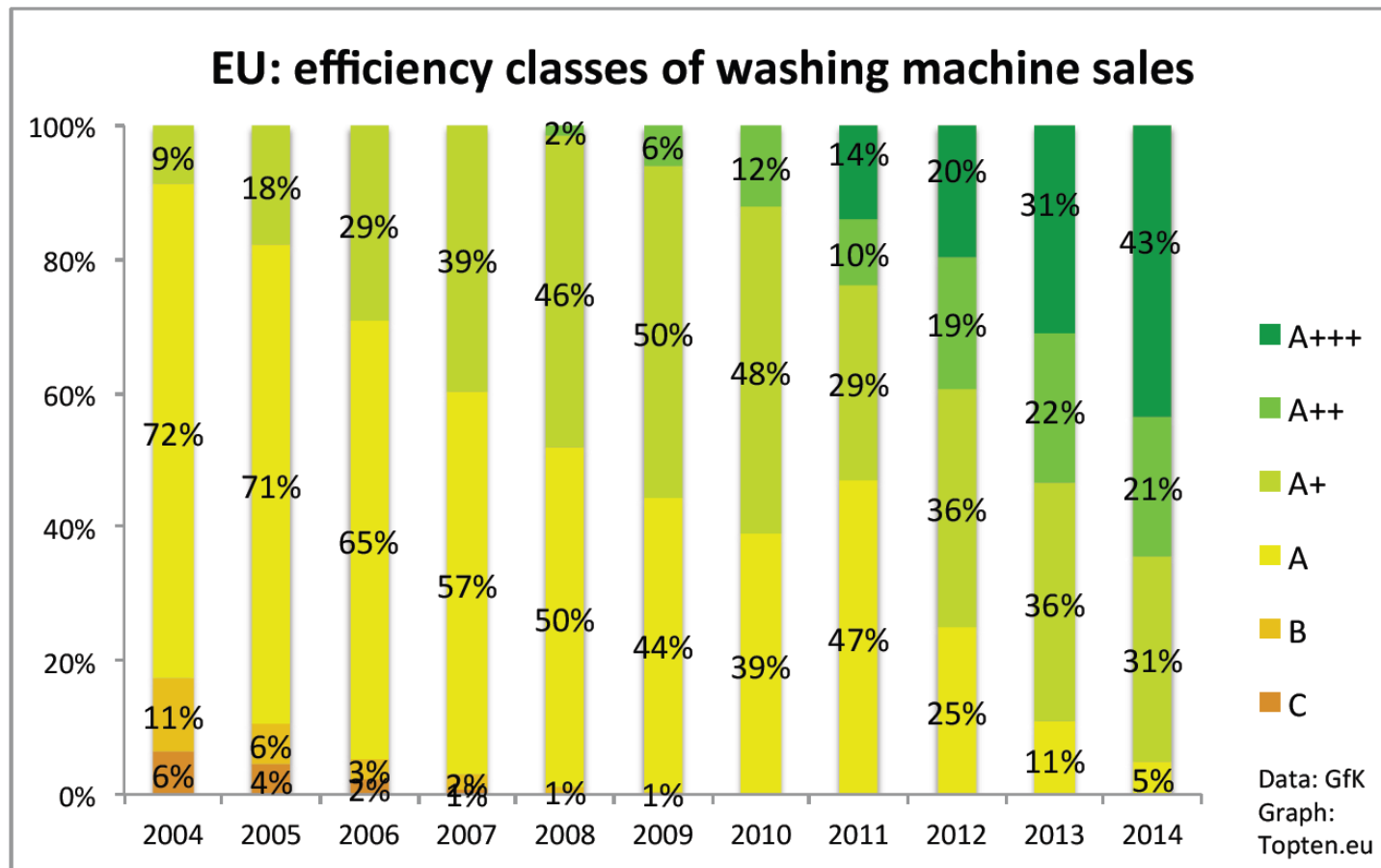
New dwellings built today consume on average 40% less than dwellings built 20 years ago.

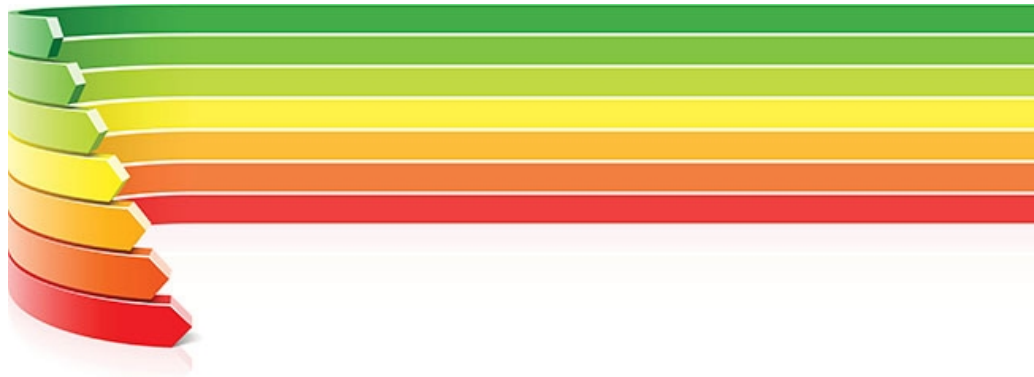




European
Commission

Market transformation





Paul Hodson

Paul.Hodson@ec.europa.eu

DG ENER, Unit C3, European Commission

Website: http://ec.europa.eu/energy/efficiency/index_en.htm