EUROPEAN ALLIANCE TO
SAVE ENERGY
Creating an Energy-Efficient Europe

ENERGY EFFICIENCY FIRST
EUROPEAN ENERGY FORUM DINNER DEBATE WITH CEFIC

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STRASBOURG, 12 SEPTEMBER 2017

ABOUT EU-ASE

EUROPEAN ALLIANCE TO SAVE ENERGY
Creating an Energy-Efficient Europe

- **Established** — United Nations Climate Change Conference in December 2010
- **Our objective** — To make the case for the urgent need for stronger action on energy efficiency in Europe
- **Who we are** — Some of Europe's leading energy efficiency advocates: companies, politicians and campaigners.

  EU-ASE members have **operations across the 28 Member States**, employ over **340.000 people** in Europe and have an **aggregated annual turnover of €115 billion**.

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MEMBERS

1E
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MEP, Netherland, Greens

Morten Helveg Petersen
MEP, Denmark, ALDE

Peter Liese
MEP, Germany, EPP

Kathleen Van Brempt
MEP, Belgium, S&D

AN INSPIRING PRINCIPLE FOR POLICY-MAKERS: EFFICIENCY FIRST!

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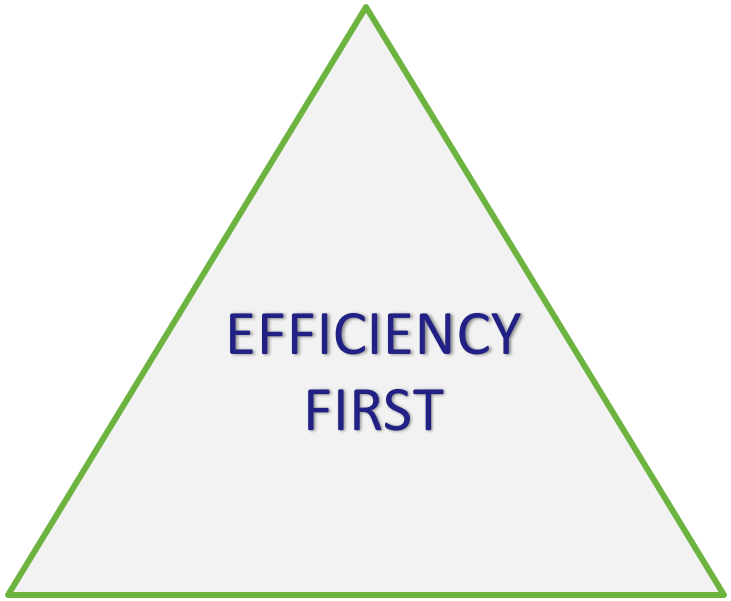
Highly energy performing individual **buildings**



Highly efficient **energy system**

Empowered and engaged **end-users**

THE MULTIPLE POSITIVE IMPACTS OF AMBITIOUS EE TARGET AND POLICIES ARE WELL RECOGNIZED...

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The latest Cambridge Econometrics study "The macro-level and sectoral impacts of energy efficiency policies" (July 2017): **multiple collective benefits increase significantly with higher policy ambition.**

With a 2030 EU energy efficiency target at 40% the following impacts are calculated:

- up to 4% increase in the EU's **GDP**
- up to 3 million **new jobs**
- savings of up to €77bn in annual **healthcare costs**
- up to 8 million households (about 20 million people) lifted out of **energy poverty**
- up to 47% reduction in **GHG emissions** (the pre-Paris EU's current goal is 40% GHG cuts)

...AND CAN BE ACHIEVED IN DIFFERENT SECTORS...

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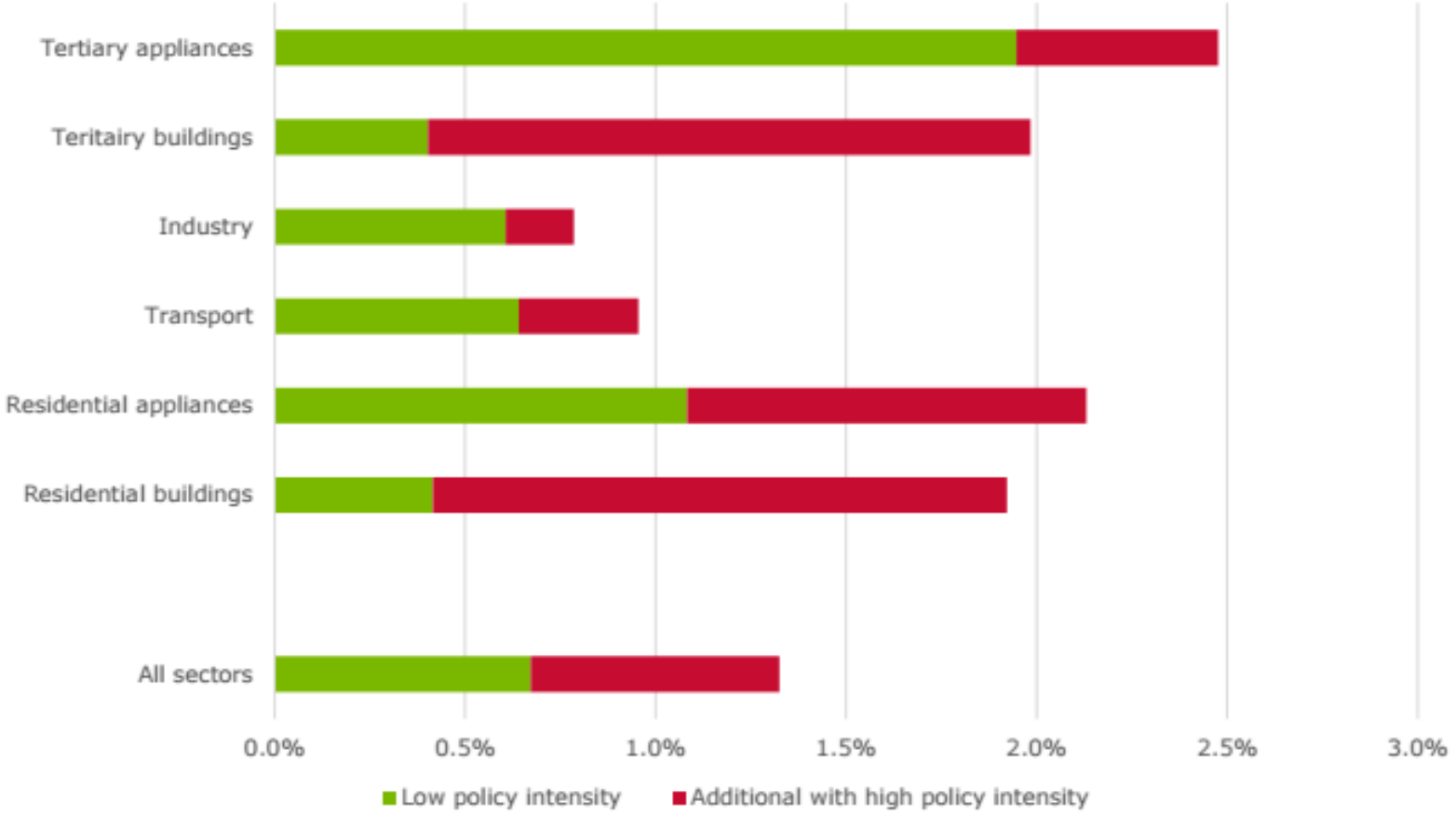
Relative savings potentials per year (2015-2030) in final energy



Source: Ecofys calculations

...EE IN INDUSTRY HAS SOME POTENTIAL...

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Energy Efficiency Potential in 8 energy intensive industrial sectors	*Description*	*2030*	*2050*
Technical Potential	The Technical Potential illustrates the maximum energy saving potential which is technically feasible	20%	23%
Economic Potential	The Economic Potential illustrates what industry might consider to be economically feasible	4-5%*	8-10%*

* Variation depending on high/low hurdle rate

Source: ICF' Study on Energy Efficiency and Energy Saving Potential in Industry and on Possible policy mechanism. Contract No. ENER/C3/2012-439/S12.666002. Year 2015

…BUT BUILDING RENOVATION HAS THE MOST COST-EFFECTIVE POTENTIAL

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- **Existing buildings represent one of the largest opportunities for energy savings**
  - Buildings consume 40% of final energy in Europe
  - 75% of them built with low (or no) energy efficiency requirements
  - 75-85% of them will still be in use in 2050

- **Increasing the rate, depth, quality, and effectiveness of building renovation is one of the biggest challenges** for the coming decades
  - Building renovation cycles happen only every +30/50 years
  - Low rate of renovation : 0.4–1.2% per year

- This indicates that the former art. 4 EED by itself has not sufficiently driven renovation activities since 2012 and that **additional measures should be taken in the framework of the EED/EPBD revisions to speed up this process**.
- Beyond energy and cost savings the **co-benefits** of building energy renovation are: **economic growth and creation of local jobs**; **energy security** (reduction of gas imports); **better health** (physical / mental health / improved work productivity and learning ability), **air pollution reduction** (like for example in Poland); and not least **resilience** (more efficient stock reduces the peak of energy demand … hence facilitates integration of renewables at large scale).

HENCE, MEETING THE 2030 EE TARGET REQUIRES A CLEAR FOCUS ON BUILDING RENOVATION…

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EU-ASE calls on EU institutions to seize the opportunity provided with this revision to **put existing buildings** at the **centre of the EU's energy efficiency strategy** and ensure that the new **policy framework* for energy renovation** is ***aligned*** with the **EU Energy Efficiency ambition** for **2030.**

With a solid Clean Energy Package, it is possible to **accelerate the rate of energy renovation** (3% is needed to fulfil our 2050 ambition) as well as their depth and quality.

** Incl. renovation strategies, ambition for the building stock, 2030 renovation milestones, art.7 EED, financing, skills, industry investment, etc…*

…AND A SOLID LINK BETWEEN THE EE 2030 TARGET AND NATIONAL RENOVATION STRATEGIES

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Member States shall:

- Set out **a roadmap with clear milestones (in 2030 and 2040) and actions** to deliver on the long-term 2050 goal to ensure a highly energy efficient and decarbonized building stock
- Identify **measurable progress indicators**
- specify **how their milestones contribute to achieving the EU energy efficiency target in 2030**

THANK YOU!

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