



EU Energy Efficiency Policy and the support to energy efficiency investments

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WHAT ARE OUR GOALS?

CREATING JOBS & GROWTH, BRINGING DOWN GREENHOUSE GAS EMISSIONS, SECURING ENERGY SUPPLY



Putting energy
efficiency first

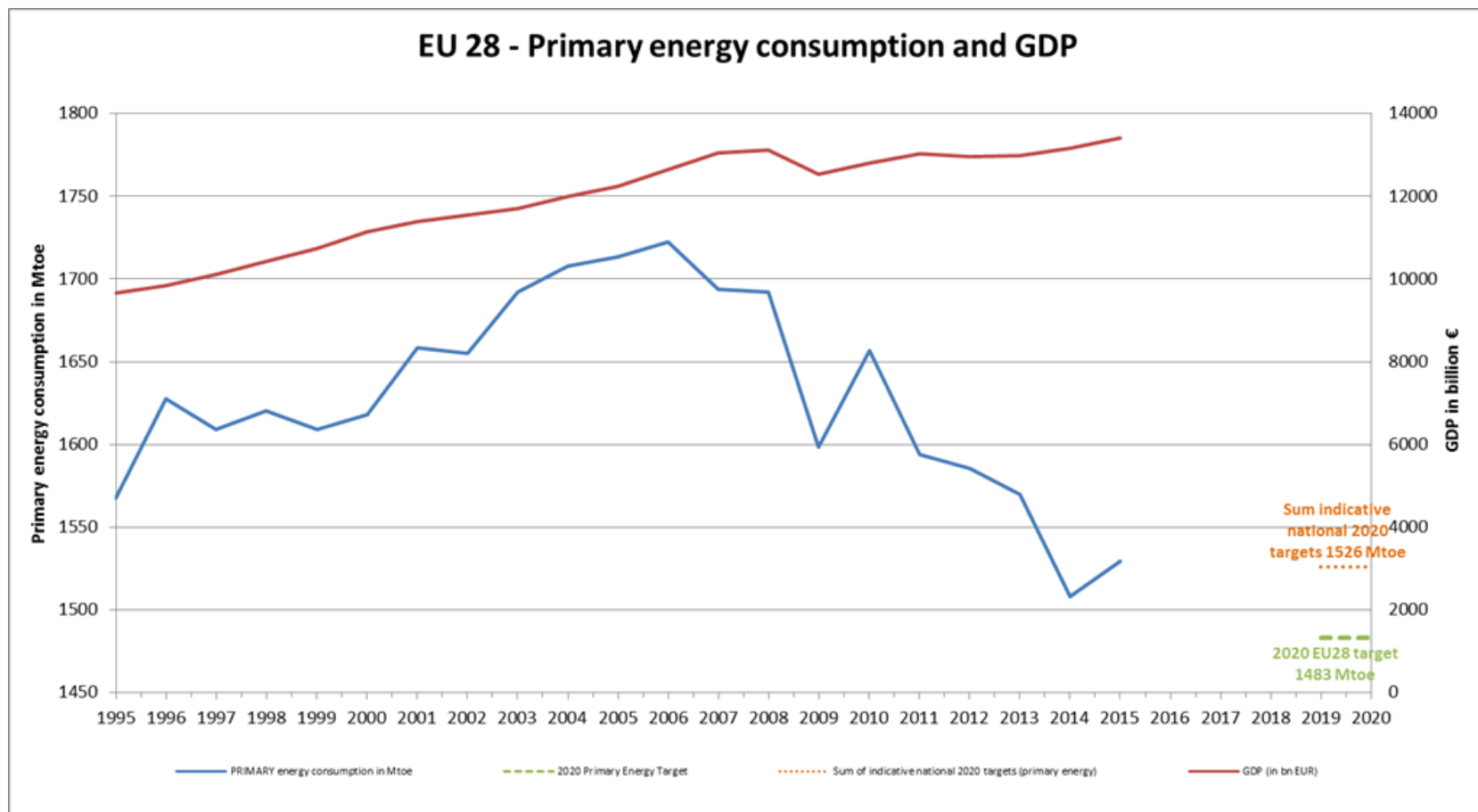


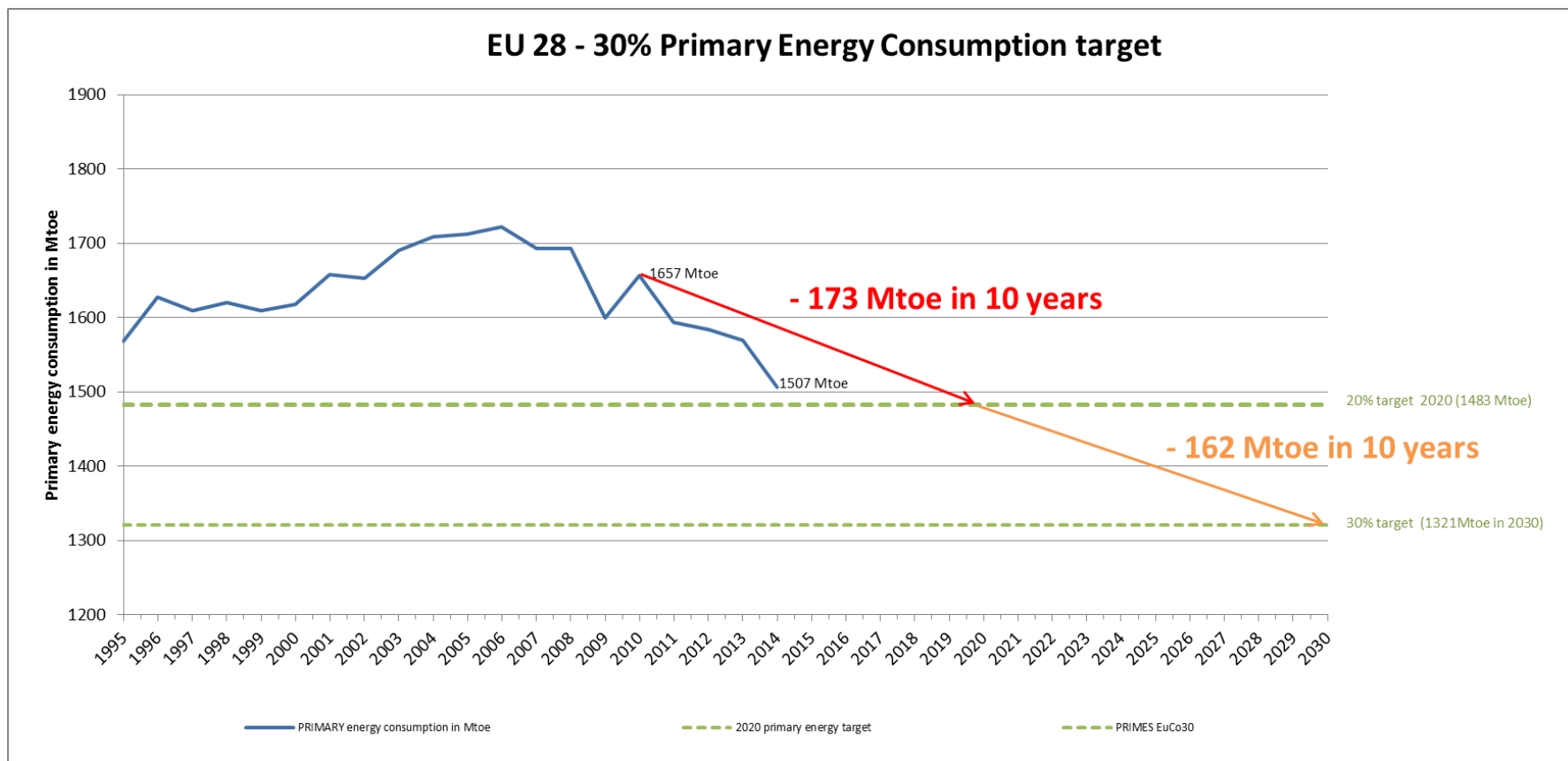
Demonstrating
global leadership
in renewables



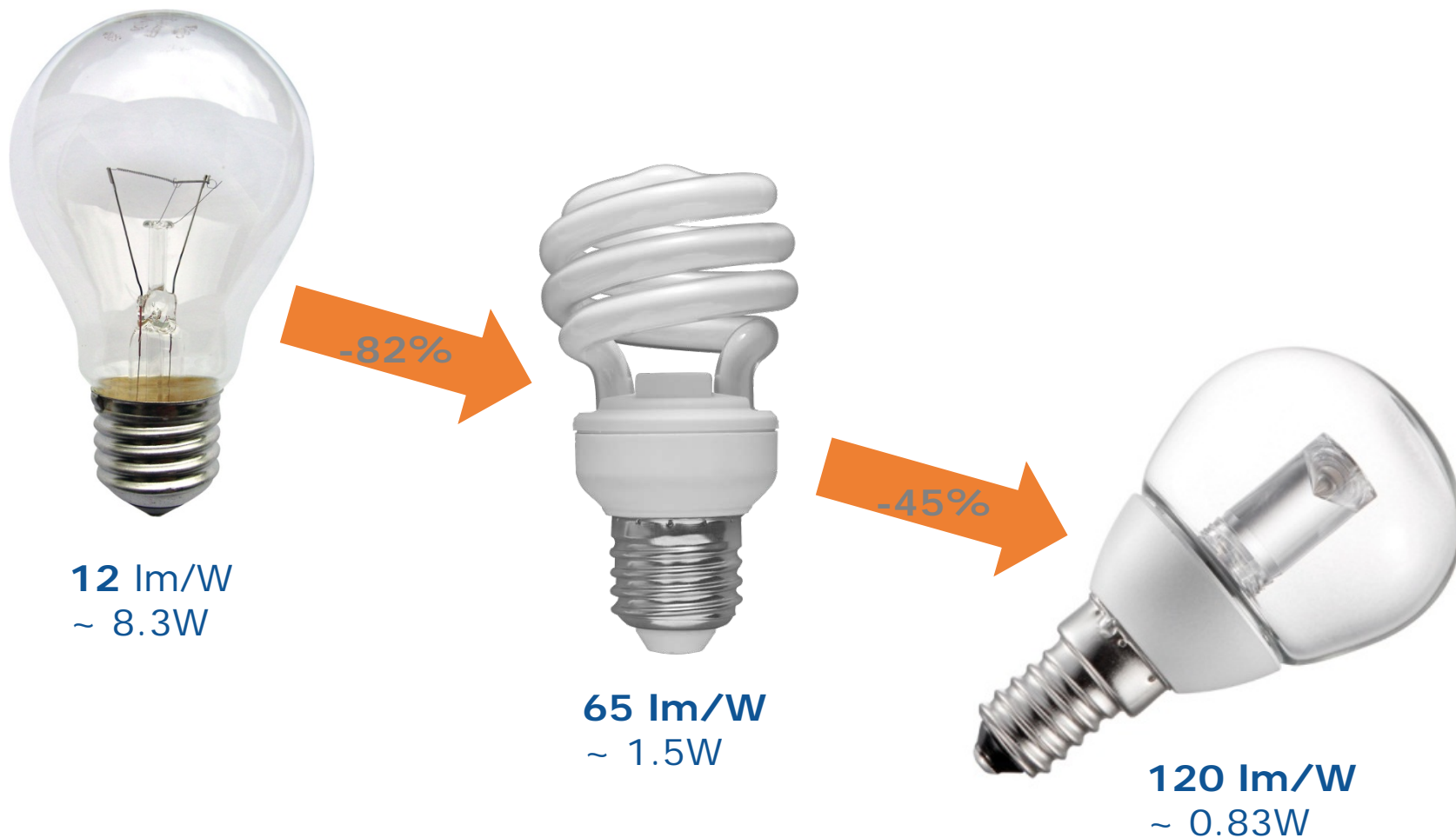
Delivering a
fair deal for
consumers

It's not a dream...





Why do we need new policy then?



POLICY CONCLUSIONS FOR 2030

Building renovation has to do more

- Review of EPBD
- Review of Art. 7 EED

Financing has a more important role to play

- Smart Finance for Smart Buildings

Digital/ICT has a big potential to contribute

- Development of a 'Smartness indicator for buildings'
- Review of Art. 9-11 EED

Energy efficiency legislation

ACHIEVING THE BINDING 30% ENERGY EFFICIENCY TARGET BY 2030



Energy Efficiency Directive

- Binding 30% energy efficiency target for 2030
 - Continue & clarify Art. 7 beyond 2020 + consider energy poverty
 - Empower consumers by granting access to information on their energy consumption
- >
- Create 400,000 new jobs
 - Reduce gas imports by 12%
 - Save € 70 billion in fossil fuel imports



Energy Performance of Buildings Directive

- Clear vision for a decarbonised building stock by 2050
- Smart & Efficient buildings through use of Information and Communication Technologies and Smart Technologies; EV-charging
- Protect vulnerable groups & address energy poverty



Ecodesign Working Plan 2016-2019

- List of new product groups
- Outline on how ecodesign will contribute to circular economy objectives
- Specific measures for verification tolerances and air heating and cooling products
- Guidelines on voluntary agreements

THE "SMART FINANCE FOR SMART BUILDINGS" INITIATIVE

MAJOR GOALS

More effective use of public funds

- Deploying **Financial Instruments** and flexible energy efficiency and renewable financing platforms
- Building on EFSI blending with ESIF funds



Assistance and aggregation

- Supporting the project pipeline at EU and local level
- **Project Development Assistance** facilities
- "One-stop-shops"



De-risking

- **Understanding the risks and benefits** for financiers and investors
- The De-risking Energy Efficiency Platform
- Commonly accepted underwriting framework



I. More effective use of public funds deploying financial instruments

- *Making more use of financial instruments, to achieve high leverage ratios.*
- *Flexible financing platforms at national level, mixing different strands of public financing (i.e. **ESIF**, **EFSI**).*
- *On-line **EU mapping tool** to understand how public funds can be used to support energy efficiency in Europe.*
- *An initiative to make **the use of Energy Performance Contracting** more accessible to the public sector (Eurostat recently updated its guidance on the accounting treatment of Energy Performance Contracts).*
- ***Sustainable Energy Investment Forums**
Riga, Prague, Copenhagen, Madrid, Dublin, ...*



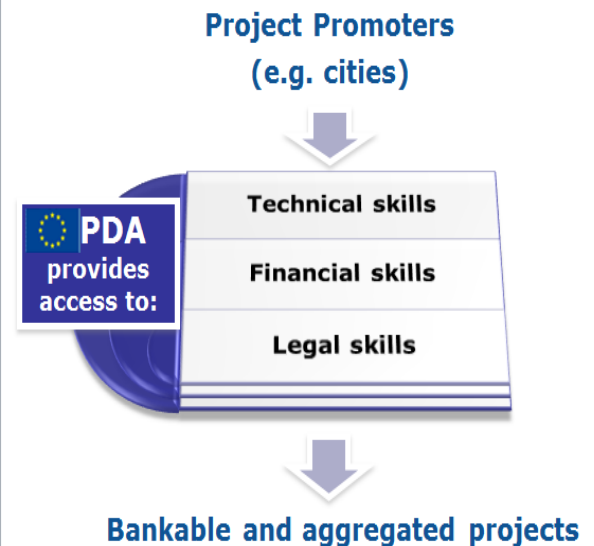
II. Providing aggregation and assistance for project development

Reinforce Project Development Assistance (PDA) facilities at the EU level to help project promoters bring their ideas to maturity.

- **ELENA**, via EIB (PDA facility funded through the European Commission's Horizon 2020 programme)
- PDA calls launched by EASME for smaller projects

*Development of **dedicated local or regional one-stop-shops** for project developers.*

➤ EU Project Development Assistance (PDA)



III. De-risking energy efficiency investments

Change the risks perception related to energy efficiency investments - in collaboration with the **Energy Efficiency Financial Institutions Group (EEFIG)**:

- **The De-risking Energy Efficiency Platform (DEEP)**, an open source database containing real performance data of energy efficiency projects (> 10.000 energy efficiency projects).

<http://deep.eefig.eu>



- **An Underwriting toolkit on the value and risk appraisal of energy efficiency investments** (released on 22 June 2017).

<http://valueandrisk.eefig.eu>



R&I challenges to unlock energy efficiency post 2020

Upgrading buildings' energy performance

- *buildings renovation: innovative technologies, skills, and business models (EE1; EE2; EE3);*
- *buildings energy performance assessment & certification (EE5);*

Energy efficiency is an investment

- *innovative financing schemes with non-energy benefits valuation (EE9),*
- *investments standardisation based on reliable data (EE10),*
- *aggregation of projects (EE11)*
- *mobilisation of cities' investments (EE17)*
- *socio-economic research conceptualising energy efficiency as "first fuel" (EE14)*
- *innovative energy services valorising EE and consumption flexibility (EE13)*

Digital technologies enable energy transition

- *smarter (existing) buildings (EE4)*
- *digitalisation of energy (IoT, big data, cybersecurity)*

Energy Efficiency Call/ H2020

EE-2-2018-2019: Integrated home renovation services

One-stop-shops

- innovative local or regional "**integrated home renovation services**" covering the whole "customer journey" from technical and social diagnosis, technical offer, contracting of works, structuring and provision of finance, to the monitoring of works and quality assurance



Energy Efficiency Call/ H2020

EE-9-2018-2019: Innovative financing for energy efficiency

Better use of public funds

- **Development or replication** and implementation of innovative financing schemes for energy efficiency investments



Energy Efficiency Call/ H2020

EE-10-2018-2019: Mainstreaming energy efficiency finance

De-risking EE investment

- Development of **frameworks for the standardisation and benchmarking** of sustainable energy investments
- **Capacity building for banks and investors**, in particular on underwriting sustainable energy investments;
- Gathering, processing and disclosing **large-scale data on actual financial performance** of energy efficiency investments
- Further integration of **non-energy benefits** in project valuation

Energy Efficiency Call/ H2020

EE-11-2018-2019: Aggregation - Project Development Assistance

Assistance and aggregation

- **Project Development Assistance** (PDA) to build technical, economic and legal expertise of public and private project promoters, with the **final aim of launching concrete investments**

every million Euro of Horizon 2020 support should trigger investments worth at least EUR 15 million; innovative and replicable investment financing solutions



European Local ENergy Assistance (ELENA)

- *Established in 2009, managed by the EIB and the European Commission*
- *Grant for **preparation** (not implementation) of **investment programmes***
- *Minimum leverage: **20** for energy projects, e.g.*
 - EE renovations of public and private buildings
 - Street and traffic lighting
 - Integration of renewable energy sources into the buildings
 - Investments in district heating/cooling networks
- *Almost **EUR 100m** awarded to projects supporting approx. **EUR 3.8 bn** investments*



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Thank you!

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