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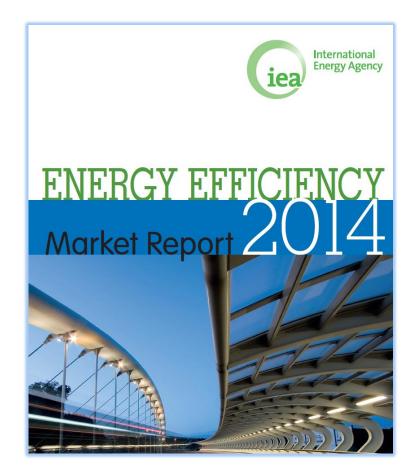
EUFORES 14th Inter-Parliamentary Meeting Lisbon, 10-11 October 2014



Energy Efficiency Market Report 2014

Launched 8 October 2014, Verona

- Energy efficiency market estimated value to be between USD 310 billion and 360 billion
- Energy efficiency is still the first fuel in IEA-11 countries: avoided energy use was larger than the supply of oil, electricity or natural gas in 2011
- Energy efficiency market: diffuse, extensive and projected to grow

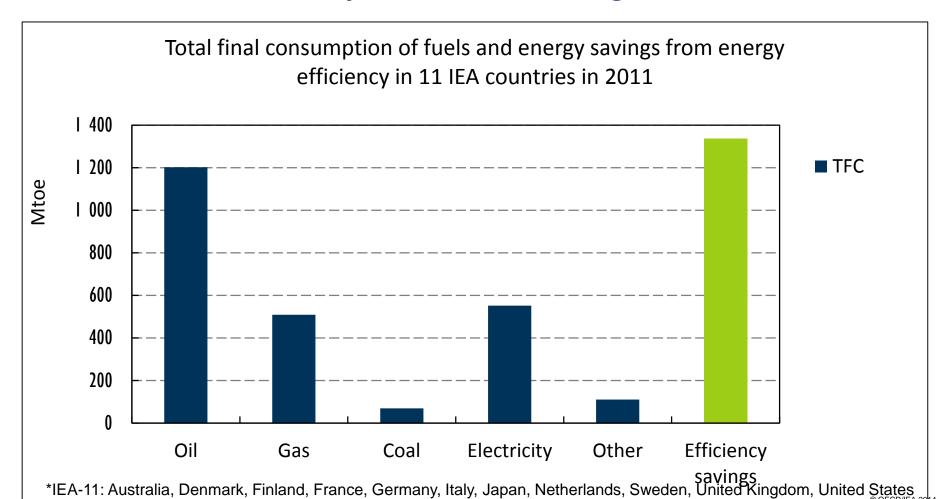




Energy efficiency: still the 'first fuel'

www.iea.org

Supplied (1336 Mtoe) more in 2011 to meet energy service demand than oil (1200 Mtoe), electricity (552 Mtoe), natural gas (509 Mtoe) in IEA-11*

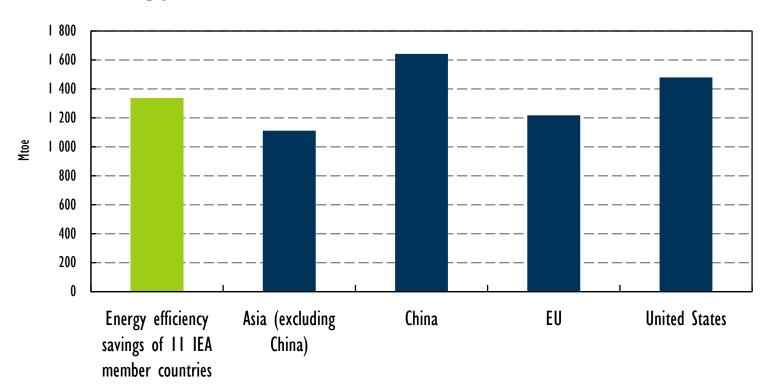




Indicators: Energy efficiency an invisible powerhouse

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- Energy efficiency savings rival the TFC of major energy-consuming countries and regions
- Energy efficiency improvements over the last four decades saved more energy in 2011 than EU TFC

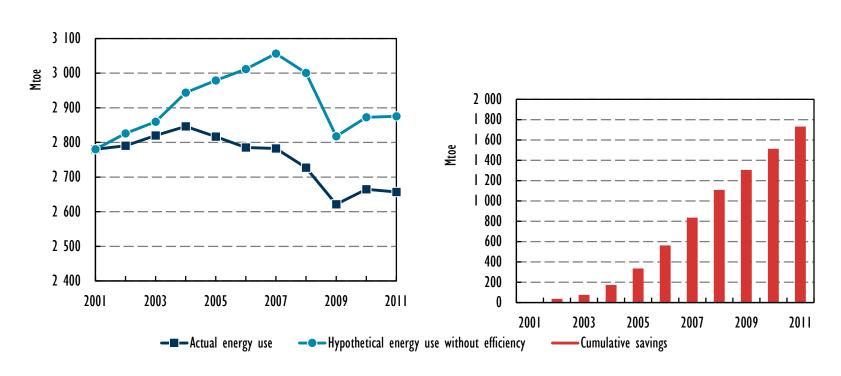


Indicators: Energy efficiency an invisible powerhouse

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Energy efficiency improvements compared to 2001 produced over 1 700 Mtoe in cumulative energy savings by 2011 in 18 IEA countries

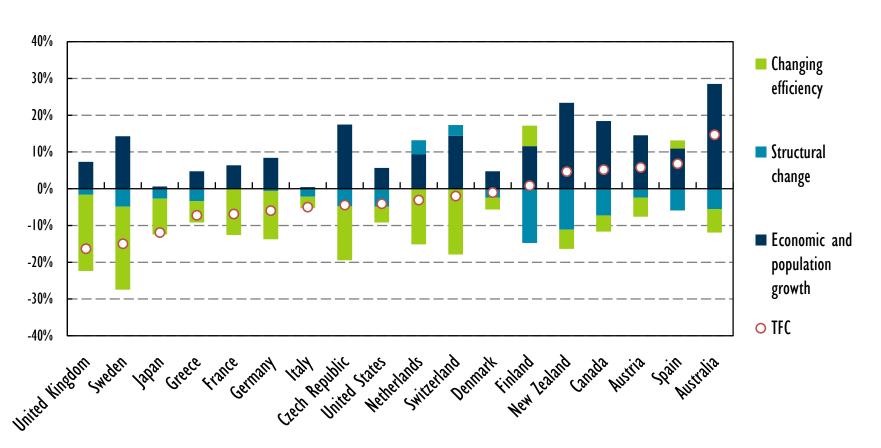
TFC and hypothetical energy use without energy efficiency improvements since 2001





Indicators: 2001-11 TFC down in 12 of 18 countries largely from efficiency

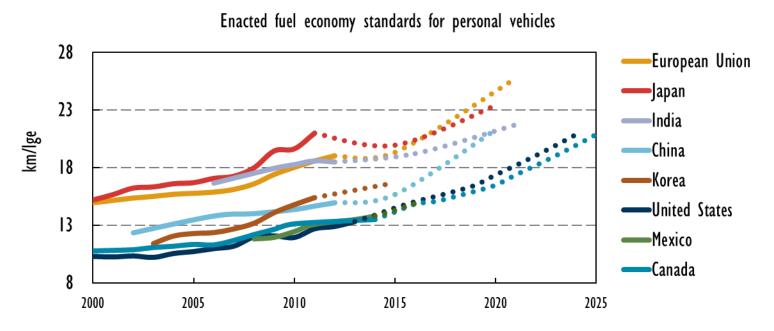
Efficiency is helping efforts to decouple economic growth from energy consumption





Transport efficiency market driven by fuel economy standards

- Fuel economy standards affect 70% of global new vehicle fleet (50 million vehicles in 2011)
- Standards could achieve between USD 40 and 190 billion in fuel savings by 2020 pending ambition and effectiveness



Source: Global fuel economy initiative



Energy efficiency finance

- Energy efficiency finance is expanding and innovating
- Third-party financing estimated in range of USD 120 billion (drawing on WEIO estimate of financing share)
- Bilateral and multilateral development funding for energy efficiency was over USD 22 billion in 2012
- Energy efficiency finance is moving from niche to established financial market segment
- Energy efficiency market will grow with greater transparency and standards for financial products



Country case studies

11 countries:

Canada Italy

China Japan

EU Korea

India The Netherlands

Indonesia Thailand

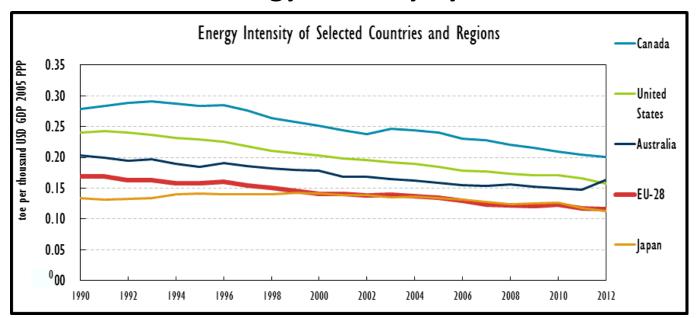
Ireland

 Highlighted sub-markets and innovative policies harnessing market factors



EU showing progress and stepping up ambition

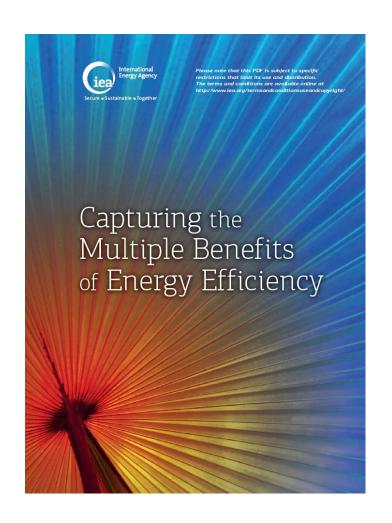
EU has reduced its energy intensity by 28% since 1990



- EU countries achieved the greatest energy efficiency improvements on average between 2001-11 among IEA members
- Expect a doubling (at least) of energy efficiency investment from European Structural and Investment Funds to over EUR 10 billion



Capturing the Multiple Benefits of Energy Efficiency - Launched 9 September 2014 in Berlin



- Introduction context
- **Macroeconomic**
- **Public budgets**
- Health
- **Industrial productivity**
- **Energy providers**
- **Conclusions**
- **Methodologies**



Overarching macroeconomic benefits

Secure • Sustainable • Together

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Investment effects

- Increased investment in energy efficiency
- Higher production in energy efficiency sectors
- Lower production in other sectors

Macroeconomic impacts

Employment
Economic outpu

Trade balance

Energy demand reduction effects

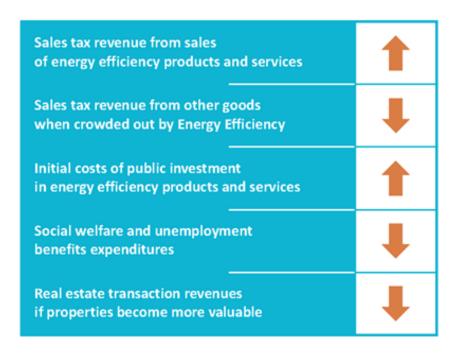
- Energy cost savings
- Increased disposable income
- Higher business profits
- Improved energy security

By driving increased investment and energy demand reductions, energy efficiency policy can boost GDP growth by between 0.25% and 1.1%.

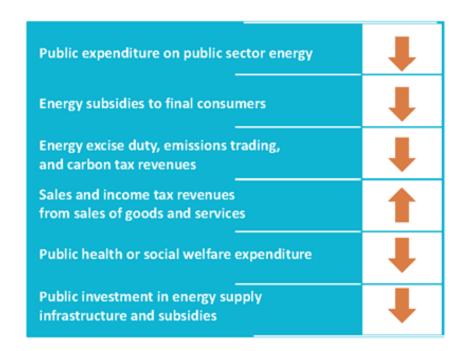


Public budgets

Investment effects



Energy savings effects



Health and well-being

Energy Efficiency Measures

- Weatherisation
- Heating & cooling systems
 - Appliances



Environmental Exposure Factors

- Warmer, cleaner, drier indoor environments
 - · Reduced energy bills



Potential health improvements

- Physical health
- Mental health and well-being



Potential indirect social impacts



Industrial sector: from savings to value creation

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Competitiveness

ability to enter new markets, reduced production costs etc.

Production

capacity utilisation, improved product

quality etc.

Operations and maintenance

improved operation, reduced need for

maintenance etc.

Working environment

site environmental quality, worker health

and safety etc.

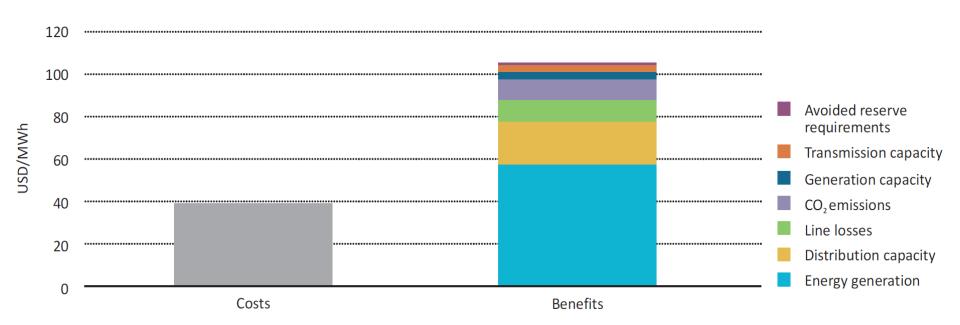
Environment

air pollution, solid waste, wastewater,

reduced input materials etc.



Expanding energy provider business models



- Benefits for utilities: in resource constrained operating context
- Benefits for consumers/indirect benefits for utilities: increased affordability reduces customer default and associated costs



Thank you.

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