

Product Energy Efficiency Standards and Incentive Schemes in Asia: Lessons from the UK's Energy Technology List

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Product market barriers stopping UK action on climate change in 2001

Technology lists are a valuable tool driving voluntary product market transformation

BARRIERS

Awareness

- Customers unclear of energy efficiency/low carbon opportunities that exist, or how to capture them
- Manufacturers & suppliers unclear of market opportunity

Understanding and Trust

- Uncertainty on what constitutes good technology
- Lack of accessible technical expertise
- Information asymmetry between buyers and sellers

Finance

Poor access to partial or full project financing

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Awareness and energy survey programmes



Energy Technology List

Enhanced Capital Allowances

0% SME loans



UK Governments Energy Technology List

A verified list of technologies valued by manufactures and customers



Progressive tightening of product specifications stimulates repeated cycles of voluntary product innovation



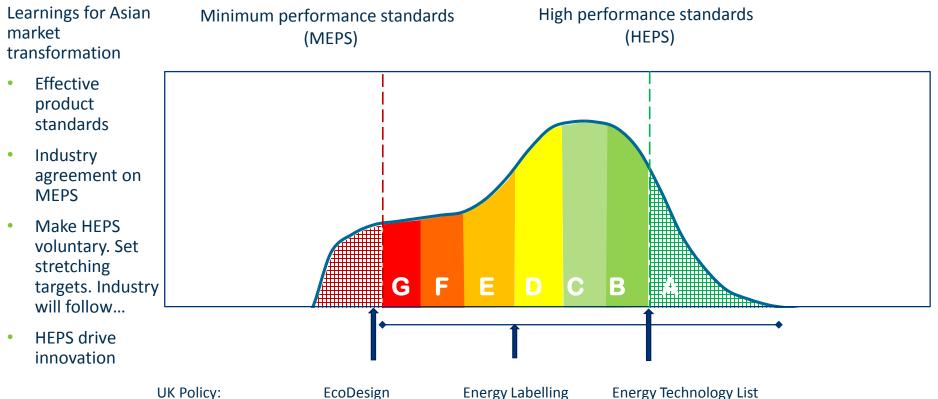
ETL product markets are forecast to capture the following benefits

	15,000 -20,000	£4 billion	> 94.5 million
Product policy is one of the UK's most effective drivers of large scale carbon reduction	High efficiency products in on-line catalogue	Total lifetime value of product markets supported by the ETL	Total lifetime unit sales of ETL products
	16 MtCO2	£3.25 - 4 billion	Earlier transformation
	Lifetime carbon emissions reductions due to ETL products	Lifetime energy savings (electric, gas)	UK running 10% -20% ahead of most nations on LED uptake

Direct benefits presented over 15 years of ETL. Total lifetime market value ~£15billion, sales 350 million, 60 MtCO2 lifetime, £12-15 billion lifetime energy savings



Building blocks of product market transformation





Sustainable Energy For All - United for Efficiency Initiative

Build regional coalitions to transformer product markets Carbon Trust is sharing its experience in market transformation through the SE4All U4E Initiative

<u>U4E approach</u>

Encouraging countries to implement an integrated policy approach through energy-efficient products to bring about sustainable and cost-effective transformation.

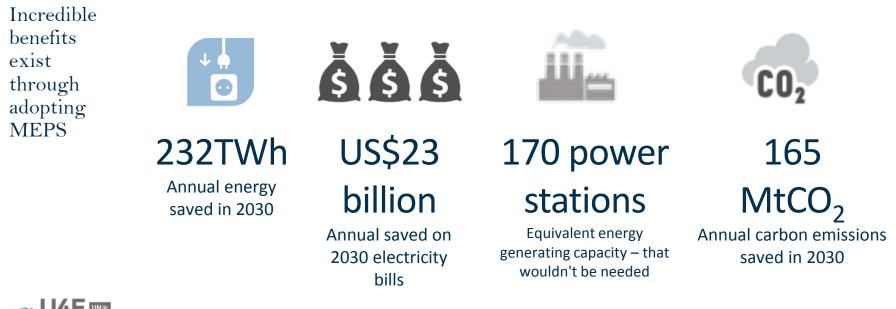






If Asia supported U4E initiative and implemented MEPS

2030 benefits of implementing MEPS across 5 product types



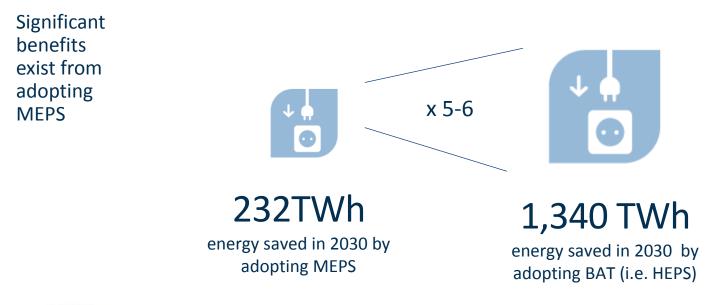


Sources: http:/united4efficiency.org/savings, Carbon Trust analysis of 27 countries in region



If Asia moved to the current best available technology

2030 benefits of implementing BAT across 5 product types



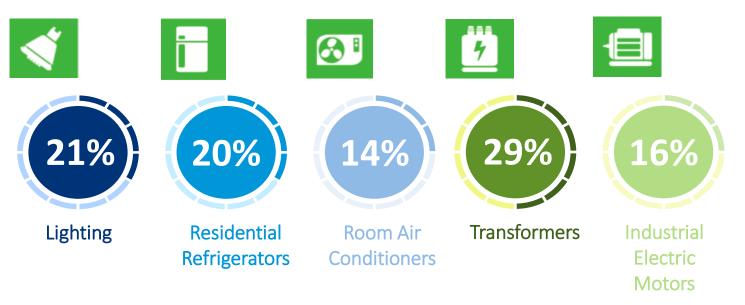


Sources: http://united4efficiency.org/savings, Carbon Trust analysis of 27 countries in region



Across Asia MEPS can unlock the energy savings

Average efficiency savings for 27 countries in Asia





Source: Sources: http:/united4efficiency.org/savings, Carbon Trust analysis of 27 countries in region



- Product market transformation can deliver sizable cost, energy, and carbon savings
- The UN Sustainable Energy For All United for Efficiency Initiative is encouraging the deployment of MEPS across the globe.
- Based on our market leading expertise, we are committed to supporting and encouraging this transformation



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