



The IEA's 25 EE Recommendations - Achieving Worldwide Implementation

Grayson Heffner

Senior Energy Efficiency Advisor
International Energy Agency

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Contents

- Developing the recommendations
- Structure and approach
- Why the recommendations work

Developing the Recommendations – A Multi-Year Process



Structure and Approach

- 20 recommendations across 6 consuming sectors plus another 5 across all sectors
- Selection criteria
 - Significant energy savings at low cost;
 - Address market imperfections or barriers;
 - Address significant gaps in existing policy;
 - High degree of political support.
- Member Country commitment to implement
 - Negotiated with the EE Working Party
 - Implementation progress review



25

Energy Efficiency Recommendations across **7** Sectors

Cross-sectoral



Buildings



Appliances and
equipment



Lighting



Transport



Industry

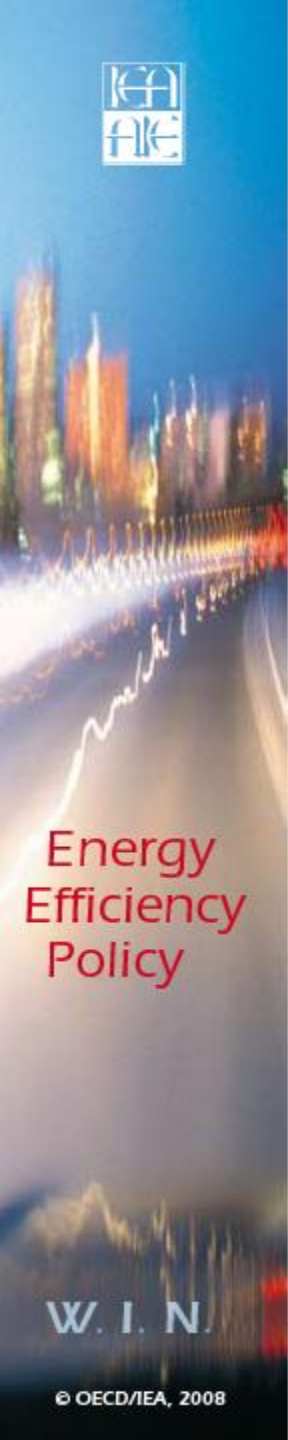


Energy utilities



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Cross-sectoral

- 1.1** Measures for increasing investment in energy efficiency
- 1.2** National energy efficiency strategies and goals
- 1.3** Compliance, monitoring, enforcement and evaluation of energy efficiency measures
- 1.4** Energy efficiency indicators
- 1.5** Monitoring and reporting progress with the IEA energy efficiency recommendations themselves

Cross-sectoral

Buildings

Appliances and
equipment

Lighting

Transport

Industry

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Buildings

- 2.1** Building codes for new buildings
- 2.2** Passive Energy Houses and Zero Energy Buildings
- 2.3** Policy packages to promote energy efficiency in existing buildings
- 2.4** Building certification schemes
- 2.5** Energy efficiency improvements in glazed areas

Cross-sectoral



Buildings



Appliances and
equipment



Lighting



Transport



Industry



Energy utilities



3 Appliances and equipment

- 3.1** Mandatory energy performance requirements or labels
- 3.2** Low-power modes, including standby power, for electronic and networked equipment
- 3.3** Televisions and "set-top" boxes
- 3.4** Energy performance test standards and measurement protocols

Cross-sectoral



Buildings



Appliances and equipment



Lighting



Transport



Industry



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Lighting

- 4.1** Best practice lighting and the phase-out of incandescent bulbs
- 4.2** Ensuring least-cost lighting in non-residential buildings and the phase-out of inefficient fuel-based lighting

Cross-sectoral



Buildings



Appliances and equipment



Lighting



Transport



Industry



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Transport

- 5.1** Fuel-efficient tyres
- 5.2** Mandatory fuel efficiency standards for light-duty vehicles
- 5.3** Fuel economy of heavy-duty vehicles
- 5.4** Eco-driving

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Cross-sectoral



Buildings



Appliances and
equipment



Lighting



Transport



Industry



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Industry

- 6.1** Collection of high-quality energy efficiency data for industry
- 6.2** Energy performance of electric motors
- 6.3** Assistance in developing energy management capability
- 6.4** Policy packages to promote energy efficiency in small and medium-sized enterprises

Cross-sectoral



Buildings



Appliances and equipment



Lighting



Transport



Industry



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7.1 Utility end-use energy efficiency schemes

Cross-sectoral



Buildings



Appliances and
equipment



Lighting



Transport



Industry



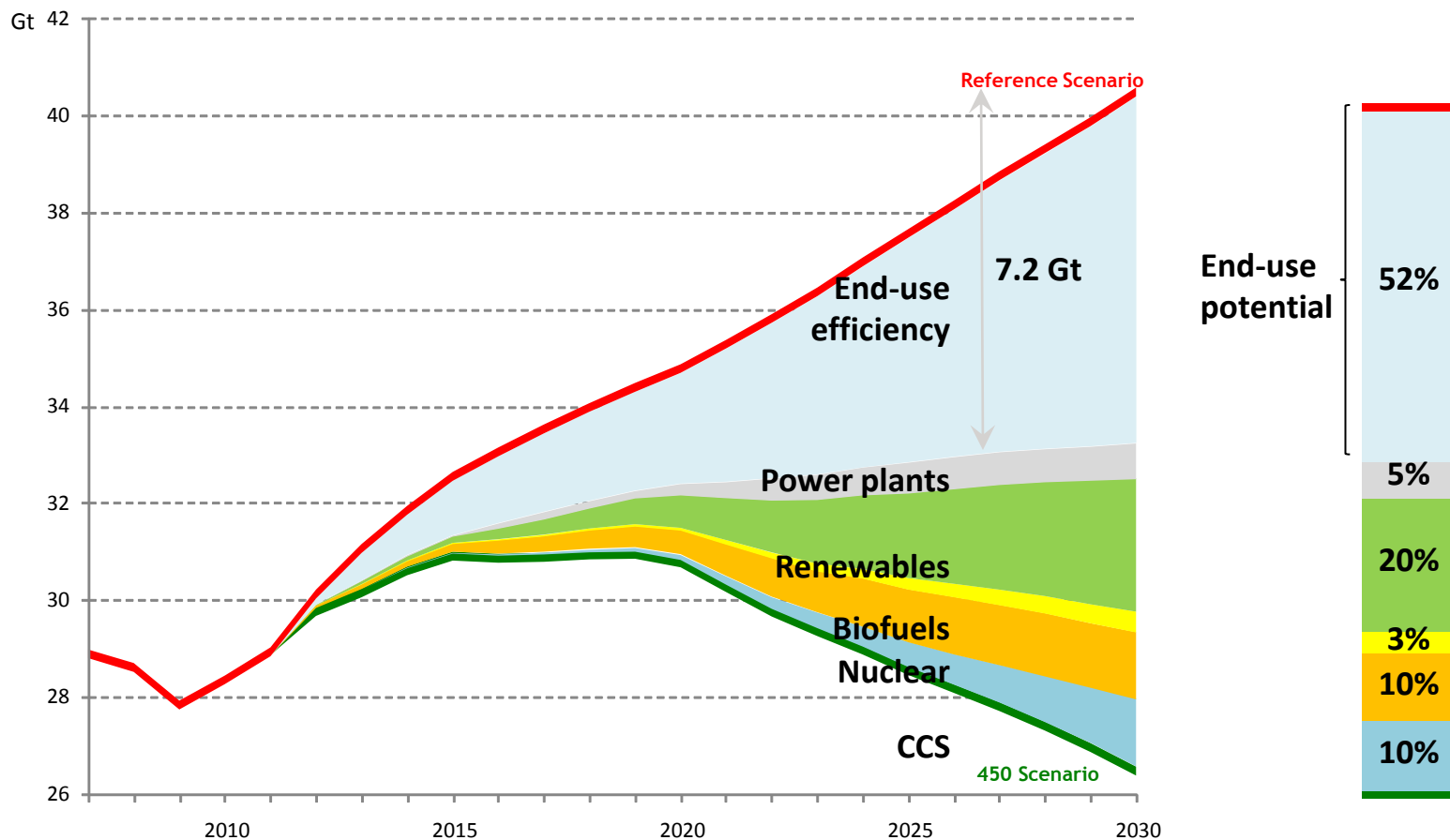
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Why the Recommendations Work

- Directly linked to the IEA's work on climate change
 - World abatement of energy-related CO₂ under the 450 scenario
 - Estimates of potential impacts by sector and recommendation
- Provides a “policy package” that can be taken up by leaders
- Easily communicated to and recognized by a worldwide audience
 - IEA “brand” and dissemination capacity
 - 21,000 downloads in the past 18 months
- Reflects a high quality of analysis from an objective source
- Conducive to tracking implementation progress over time
- Most of the recommendations apply to non-IEA member countries as well

Energy Efficiency provides half of CO₂ emissions reduction in the 450 Scenario



Full implementation of the IEA 25 energy efficiency recommendations is essential to achieve the 450 scenario.

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The Recommendations have been embraced by political leaders

- IEA Energy Ministerial 2007

“We strongly welcome and consider implementing as soon as possible, according to national circumstances, the recommendations on improving energy efficiency that the IEA has prepared”

- G8 Heiligendamm 2007

“...take forward the concrete recommendations on energy efficiency presented by the IEA and consider drawing on these when preparing national energy efficiency plans”.

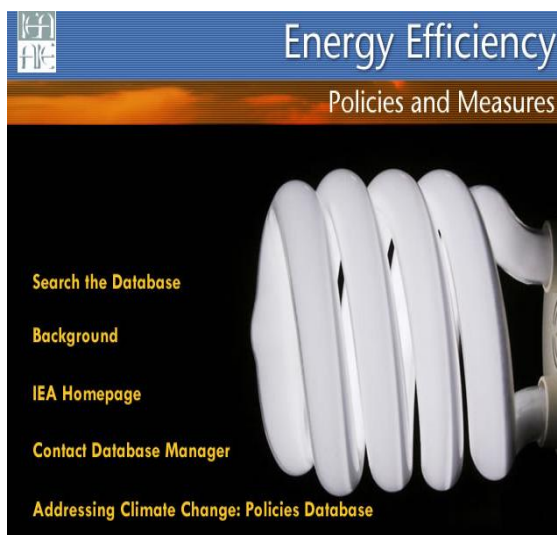
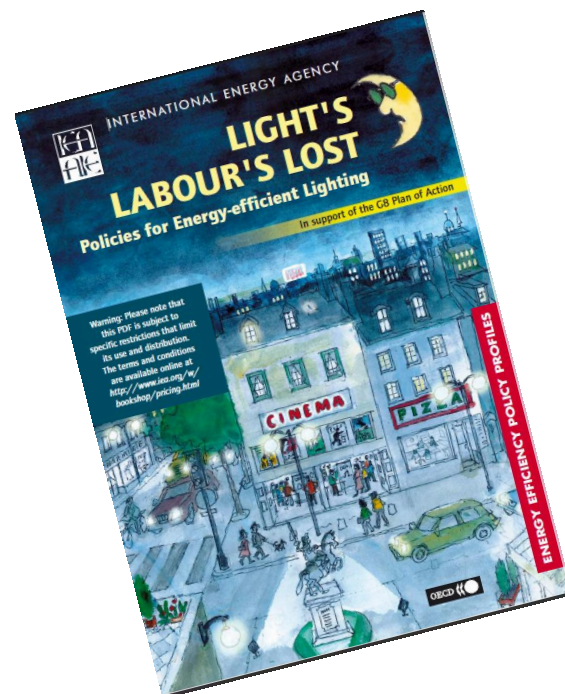
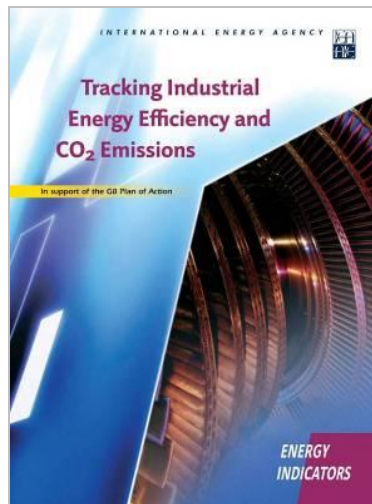
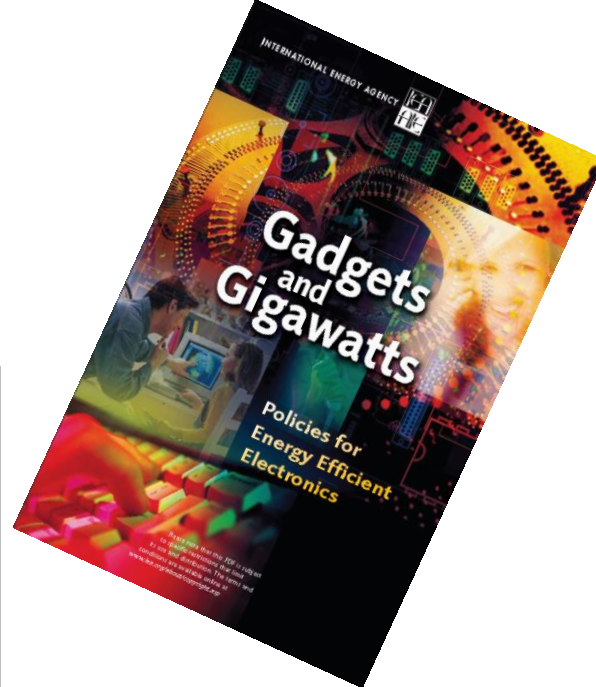
- G8 Hokkaido 2008

“...we will maximize implementation of the IEA’s 25 recommendations on energy efficiency”



Strong Analytic Foundation

- Builds on ten years of IEA research

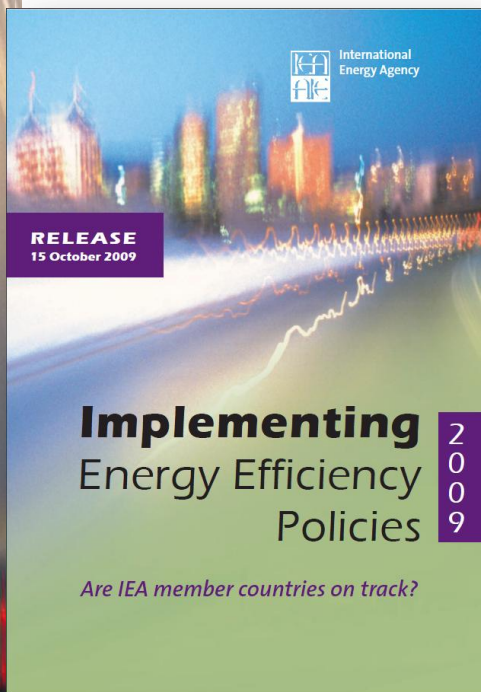


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Conducive to tracking over time

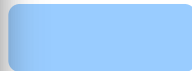
- Each IEA member country was surveyed to check implementation status of the Recommendations
- Purpose was to assist countries to improve their energy efficiency policies, using the 25 recommendations as a common benchmark



Fully implemented



Substantial implementation



Implementation underway



Plan to implement

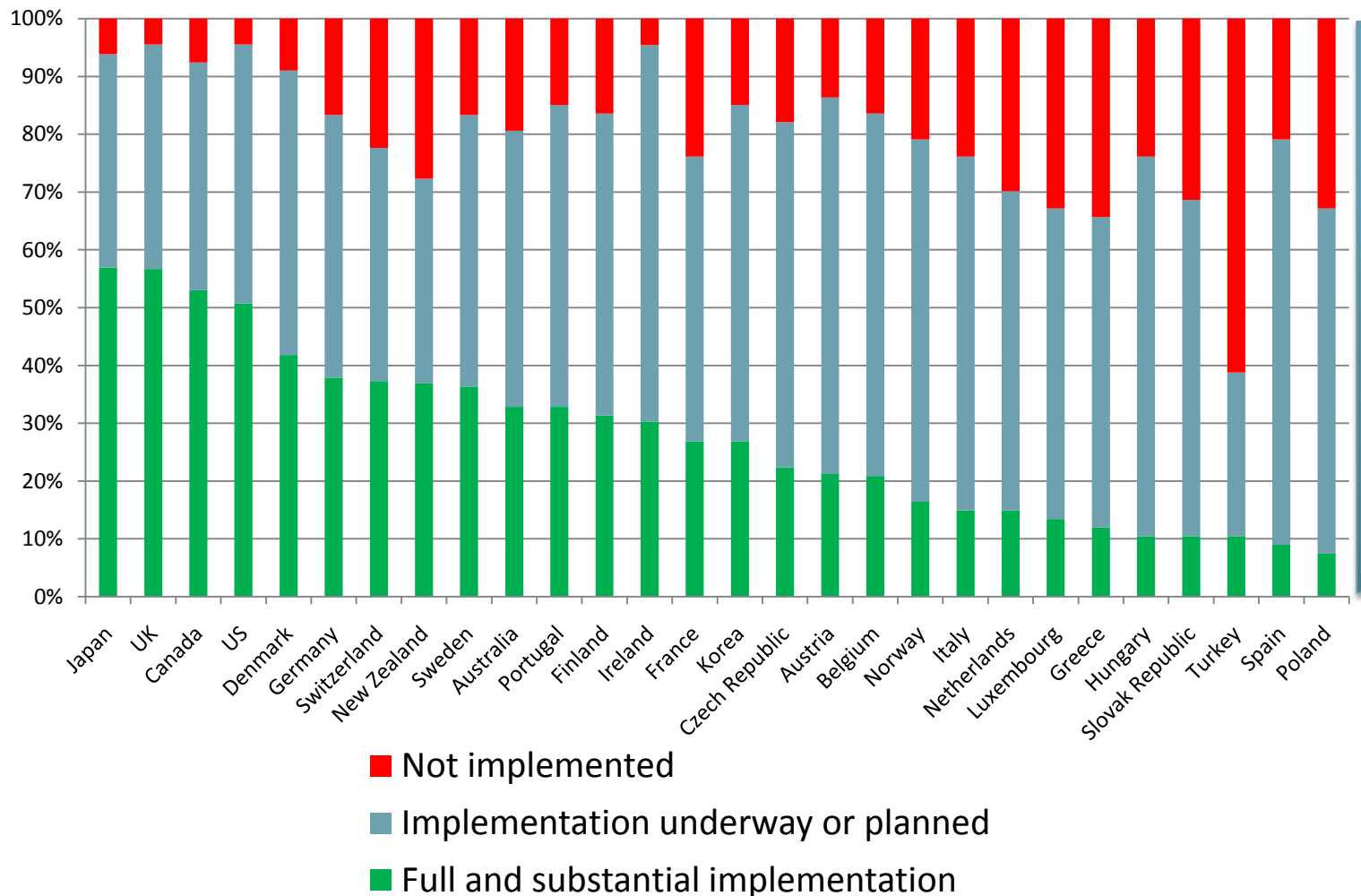


Not implemented



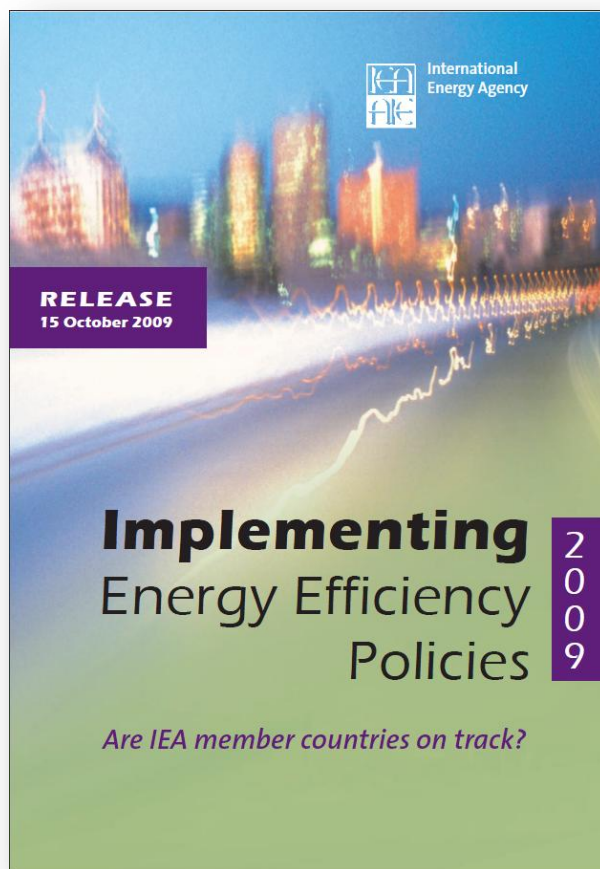
Non applicable

2009 review reveals the need to scale-up implementation across IEA member countries





Thank you



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