

INTERNATIONAL ENERGY AGENCY



Energy Efficiency Policy

Worldwide Implementation Now



Key messages

- Energy efficiency is a critical part of a sustainable energy future
- The IEA 25 recommendations provide direction
- **World-wide Implementation Now**

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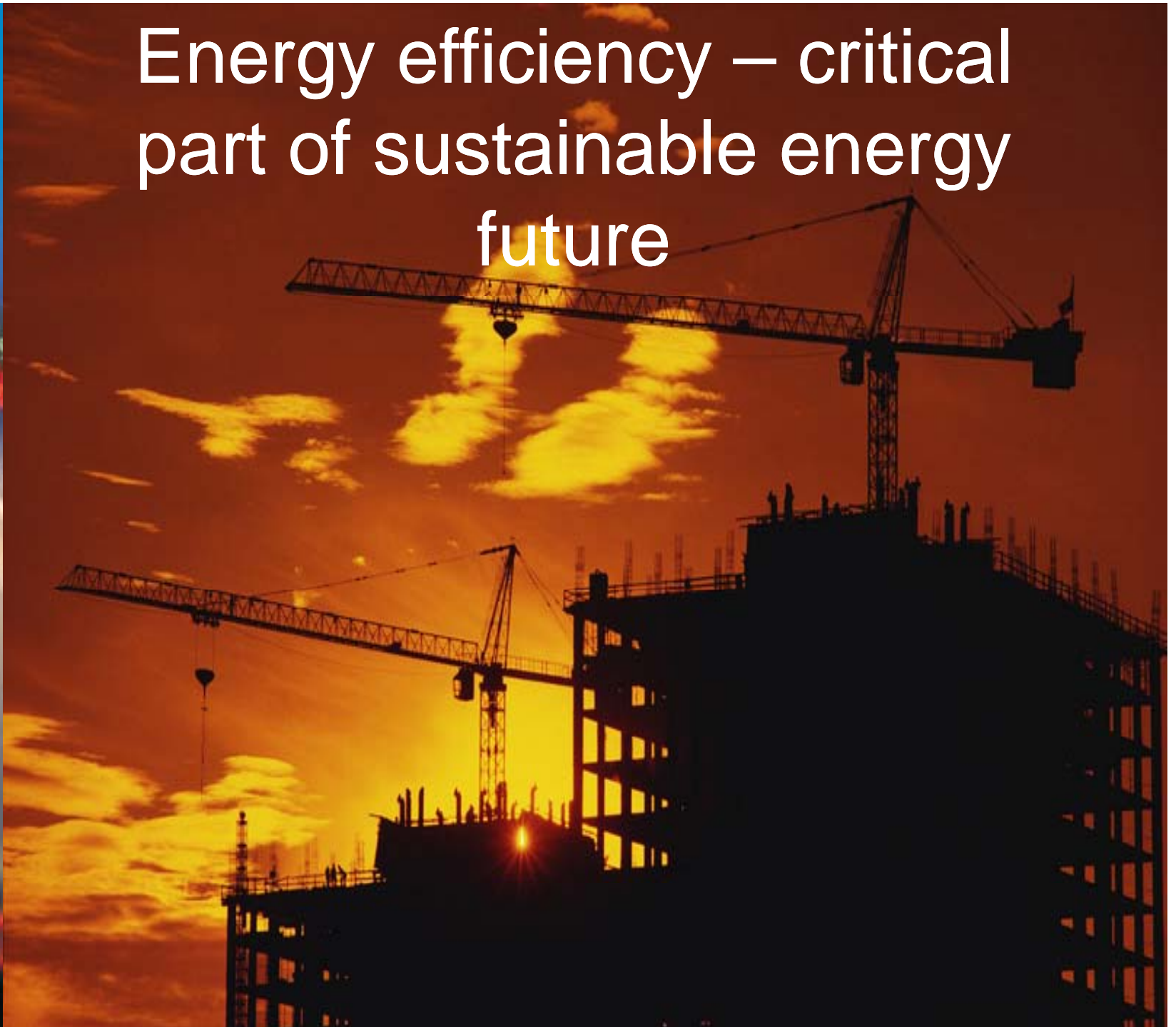


Energy efficiency – critical part of sustainable energy future

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25 Energy Efficiency Recommendations across 7 Sectors

Worldwide Implementation Now

Cross-sectoral



Buildings



Appliances and
equipment



Lighting



Transport

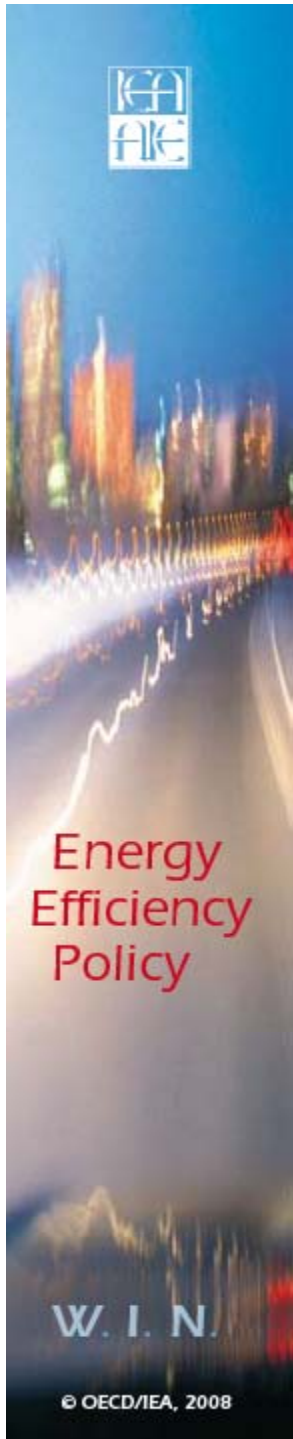


Industry



Energy utilities



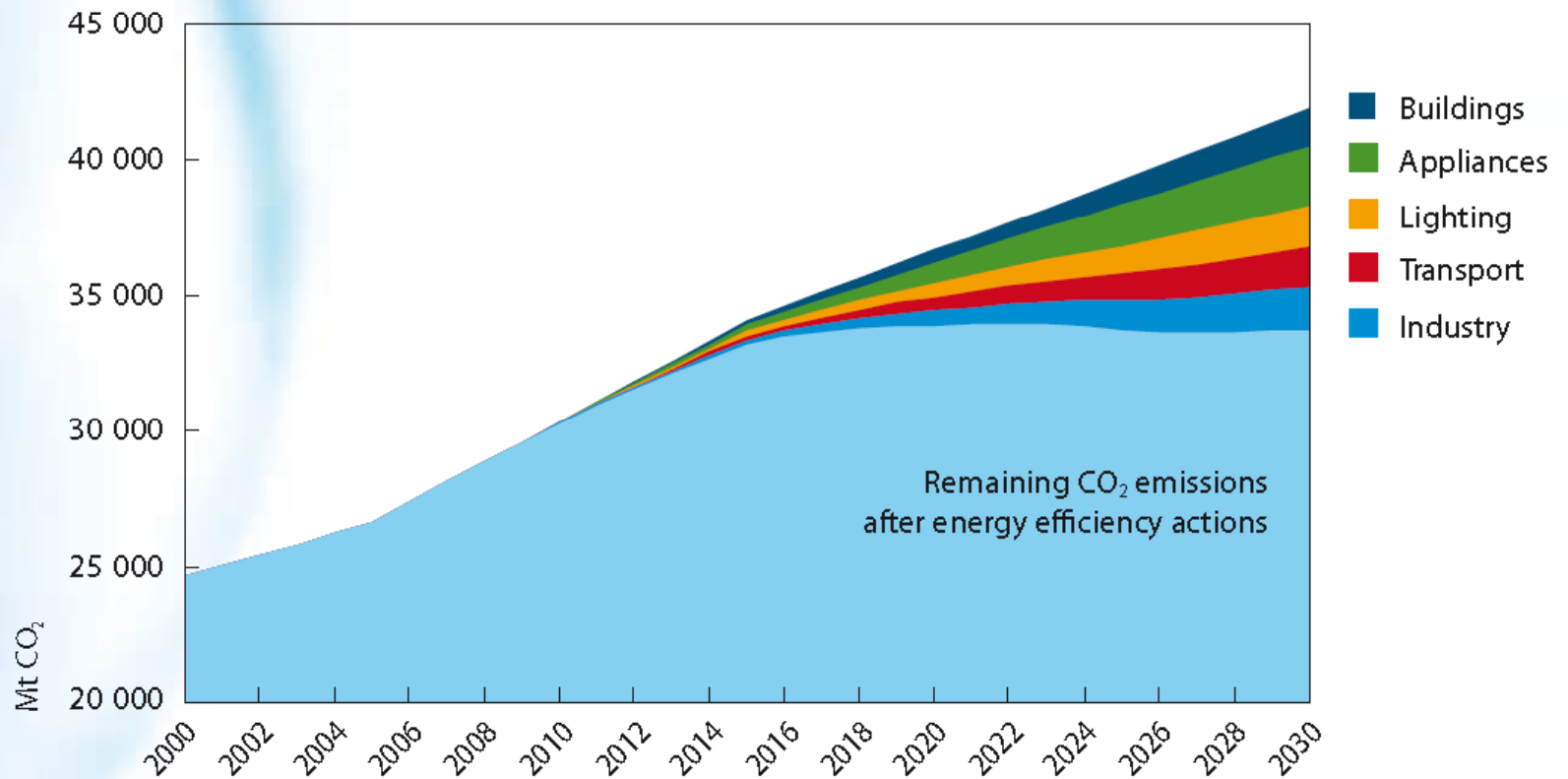


About the recommendations

- G8 Leaders:
 - committed to "maximize implementation of the IEA 25 recommendations on energy efficiency."
- Extensive analysis
- Four criteria
 - Significant energy savings at low cost
 - Address market imperfections or barriers
 - Address significant gaps in existing policy
 - High degree of political support
- Cohesive set
- Early implementation is key



CO₂ savings potential



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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



Energy utilities



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

Worldwide Implementation Now

Cross-sectoral



Buildings



Appliances and equipment



Lighting



Transport



Industry



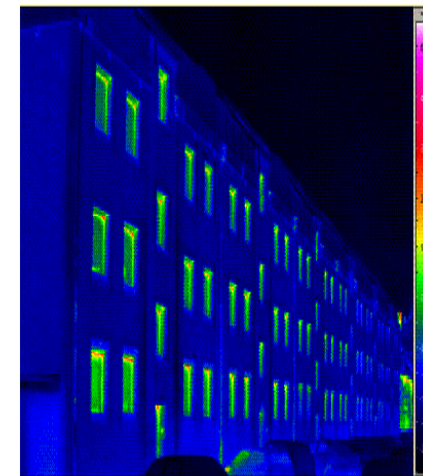
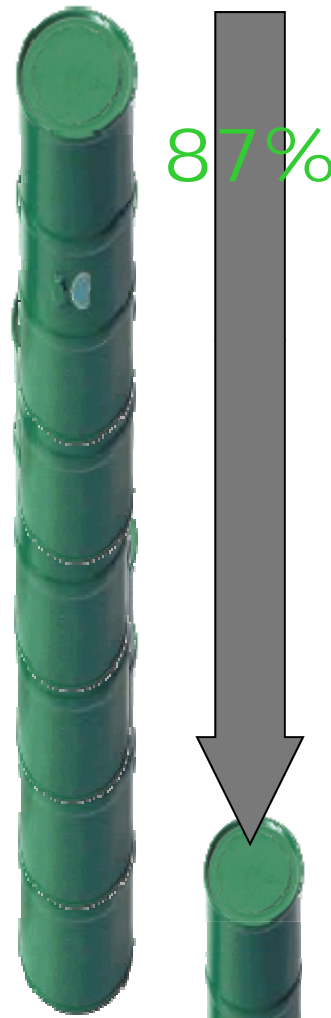
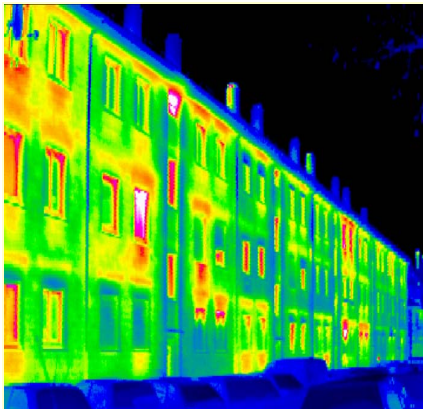
Energy utilities





2.3 Package for existing Buildings

Frankfurt Refurbishment using Passive House Technology



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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

Worldwide Implementation Now

Cross-sectoral



Buildings



Appliances and equipment



Lighting



Transport



Industry



Energy utilities



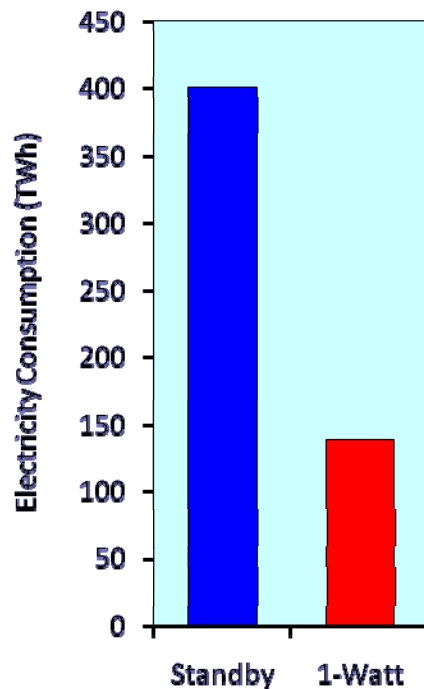


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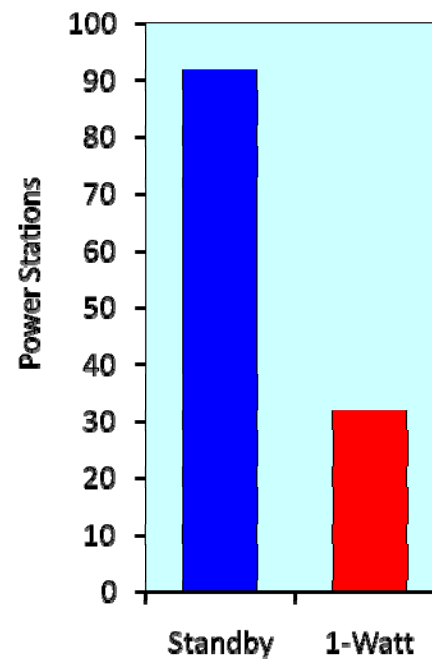
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3.2 Tackling Standby Power

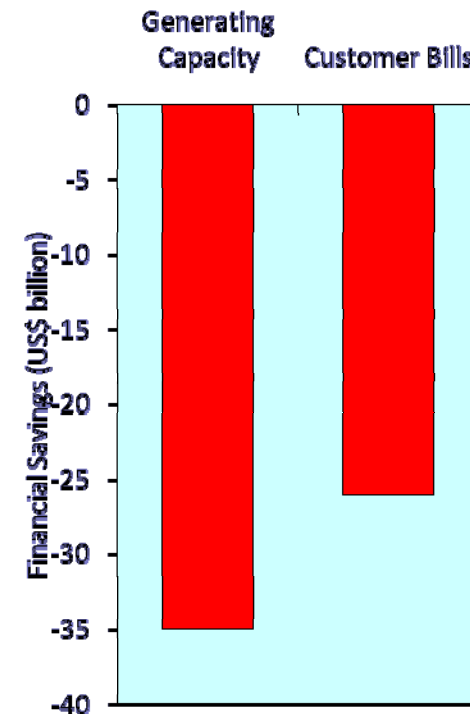
Less Consumption



Fewer Power Stations



Lower Costs



Source: IEA estimates



4 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

Worldwide Implementation Now

Cross-sectoral



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Appliances and equipment



Lighting



Transport



Industry



Energy utilities



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



Energy utilities



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

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Energy utilities

7.1 Utility end-use energy efficiency schemes

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Thank you

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http://www.iea.org/Textbase/Papers/2008/ee_recommendations_brochure.pdf

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