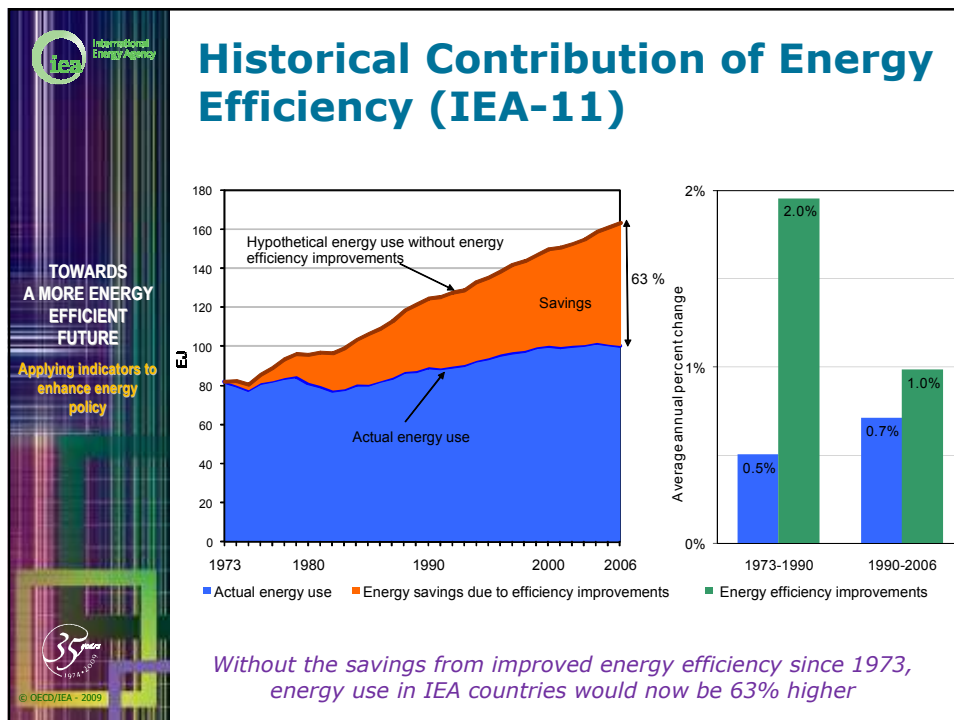


Energy efficiency: past trends and future potential

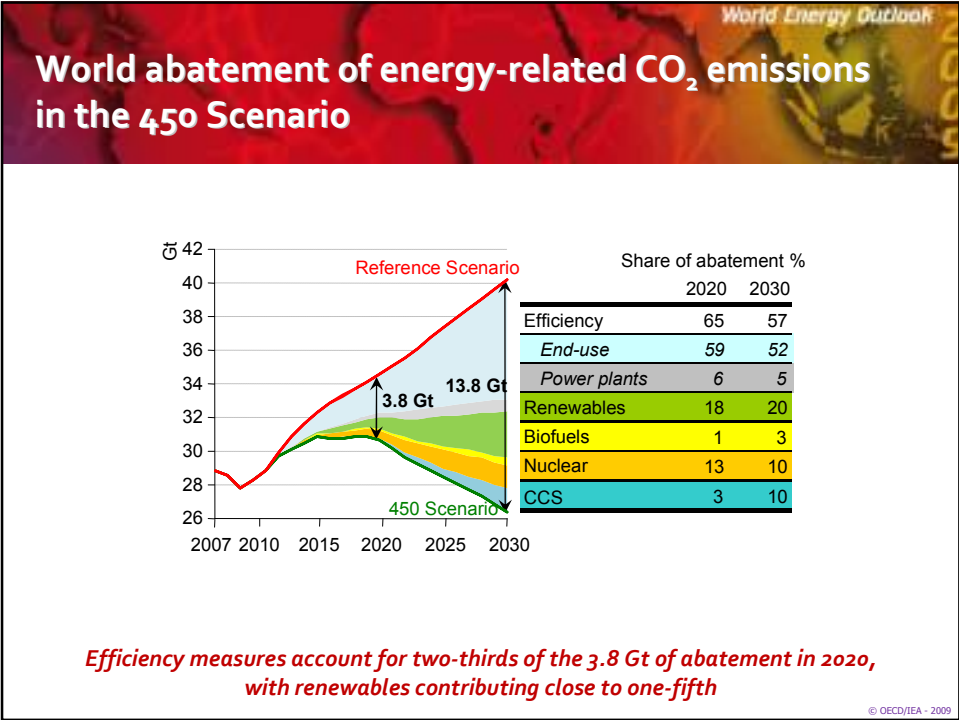
Smart Energy Usage for a Sustainable Society
 12th Hitachi Science and Technology Forum
 Brussels, Belgium, 7 May 2010

Dr Peter Taylor
 Head, Energy Technology Policy Division

© OECD/IEA 2010



No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author



25

Energy Efficiency
Recommendations
across 7 Sectors

Worldwide Implementation Now

Cross-sectoral

Buildings

Appliances and equipment

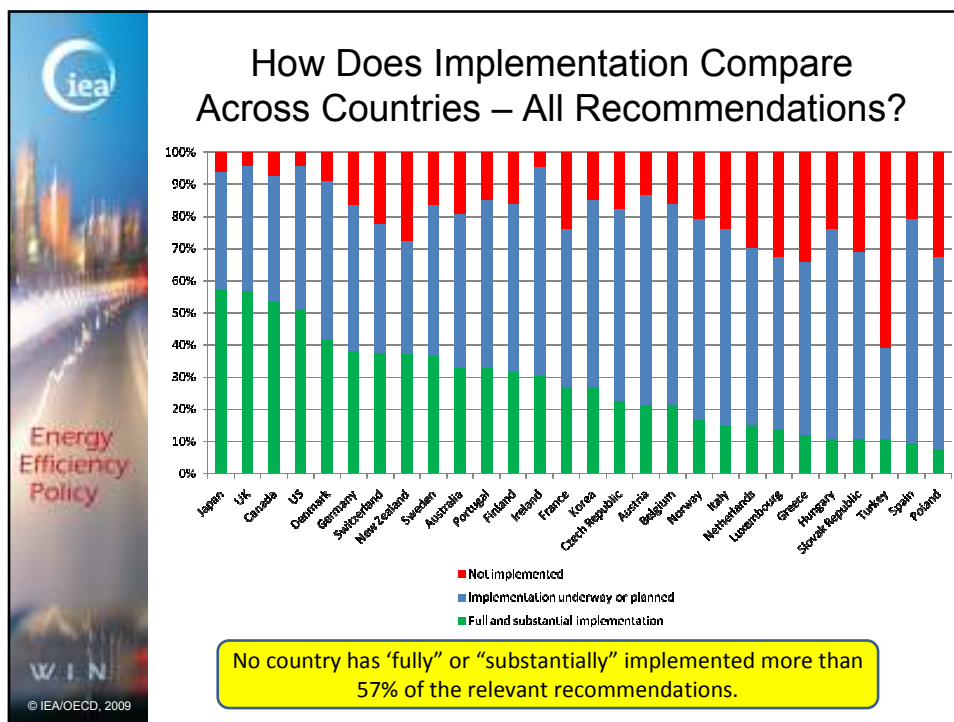
Lighting

Transport

Industry

Energy utilities

No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author



Key Messages

- Energy efficiency can contribute to all the main goals of energy policy
 - Economic growth
 - Energy security
 - Environmental protection
- Energy efficiency has shown sustained improvement over many years
 - Results are often not visible, as offset by other factors
 - Rate of improvement needs to be substantially increased
- Energy efficiency is the single most important option to reduce CO₂ emissions in the future
 - Often low cost and relatively quick to implement
 - Can buy time for less mature technologies to be developed
 - Barriers remain, but these can be overcome by effective policies
 - Requires Worldwide Implementation Now

© OECD/IEA 2009

International Energy Agency

No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author