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PRESS RELEASE

IEA WARNS URGENT ACTION IS REQUIRED ON LOW CARBON ENERGY TECHNOLOGIES

The International Energy Agency (IEA) Report 'Energy Technology Perspectives 2010', launched today in Washington DC and on 5th July in London, contains stark messages.

Heather Haydock, who heads up AEA's Energy and Climate Change Practice, and who was a Lead Adviser to the IEA report team, said: "The Report highlights the huge differences between a business as usual approach, and the approach needed to tackle both energy security and climate change. It also provides detailed roadmaps for some key technologies that could make this difference, while at the same time stimulating growth and creating jobs."

Under a business as usual scenario, global carbon dioxide emissions double by 2050, compared with the IEA's 'BLUE Map' scenario in which they can halve. Primary energy use grows by 84%, compared with an increase of 32%. 80% of new Light Duty Vehicles are conventional petrol or diesel vehicles, compared with 80% being electric, plug in hybrids or powered by fuel cells.

Business as usual scenario by 2050	IEA's 'BLUE Map' scenario by 2050
Global carbon dioxide emissions double	Global carbon dioxide emissions halve
Primary energy use grows by 84%	Primary energy use grows by only 32%
80% of new Light Duty Vehicles are conventional petrol or diesel vehicles	80% of new Light Duty Vehicles are electric, plug in hybrids or powered by fuel cells

Technology can be the differentiator between these futures, but a much more strategic and global approach is needed. There is some progress, for instance in the large increase in solar and wind power, but in general the IEA finds that actions are too small and too fragmented.

The IEA confirms that a wide portfolio of technologies is needed, and that Governments will have to intervene much more aggressively to stimulate and support many activities, from knowledge sharing to capital intensive infrastructure, and from research to public education. Investment in clean technology has to rise from the present \$165 billion, to \$750 billion in 2030, to \$1.6 trillion in 2050. The IEA recommends that public expenditure on energy technology research, development and demonstration should be increased to several times current levels, with greater focus on technologies that could contribute to deep emissions cuts in future decades.

And it's not just Governments that must act. There is a responsibility on, and an opportunity for, the private sector. The transition will create new industries and change the nature of many existing ones. Energy efficiency offers an early opportunity for many businesses to reduce energy consumption and save money. The investment community has a vital role to play in working with governments to distribute innovation funding more effectively.

AEA's Chief Technical Officer, Robert Bell comments "The IEA concludes that '*governments, investors, and consumers around the world need to take bold steps*'. The technology transitions presented in the Report provide the data and insights that they will need to do this, and provide roadmaps for action which we can all follow."

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The full report is now available on the IEA website:

http://www.iea.org/publications/free_new_Desc.asp?PUBS_ID=2100

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About The IEA

The International Energy Agency (IEA) is an intergovernmental organisation which acts as energy policy advisor to 28 member countries in their effort to ensure reliable, affordable and clean energy for their citizens.

For further information please visit www.iea.org

About AEA

AEA is one of the world's leaders in energy and environmental consultancy and information management. The company operates in the UK, Europe, the US and China advising the UK Government, the EU and major private sector organizations in energy and climate change, air and water quality, risk management, carbon management, resources and waste, sustainable transport and knowledge transfer.

AEA has been consistently voted number one consultancy for Climate Change and Renewables by industry consultants (Eddie Consultancy Survey 2006, 2007, 2008 and 2009).

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