BUILDINGS IN A LOW-CARBON WORLD

COP 21
Research & Capacity Building in Energy Efficiency and Green Buildings Side Event
Paris, 3 December 2015

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To shift the energy sector onto a low-carbon path that supports economic growth and energy access:

1. Take five key actions, led by energy efficiency and renewables, to peak then reduce global energy emissions.
2. Use the Paris Agreement to drive short-term actions consistent with long-term emission goals.
3. Accelerate energy technology innovation to make decarbonisation easier and even more affordable.
4. Enhance energy security by making the energy sector more resilient to climate change impacts.
Buildings are responsible for ~30% of global energy related CO$_2$ emissions.

Source: IEA Energy Technology Perspectives 2015
Buildings energy consumption increased by 33% since 1990. It could increase by another 50% to 2050 without action.

Source: IEA Energy Technology Perspectives 2015
Buildings (and clean power generation) are capable of supporting emissions reductions of 210 Gt CO\textsubscript{2} to 2050.

Source: IEA Energy Technology Perspectives 2015
Over 85% of projected growth in buildings energy demand to 2050 (4DS) is expected to occur outside the OECD.

Source: IEA Energy Technology Perspectives 2015
Energy Efficiency as a means to support economic and social development.
THANK YOU

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