

Using less. Doing more.

# Energy Productivity: The First Fuel for Meeting NDCs

Kateri Callahan President, Alliance to Save Energy COP22 | Nov. 11, 2016



## IEA Climate Bridge Scenario





#### What is Energy Productivity?

Economic output (e.g. GDP)

Energy Productivity

Energy consumption (e.g. kilowatt hours)

### Energy productivity measures the economic benefits of energy efficiency



#### **Energy Productivity elevates energy to national interests** It includes energy efficiency, but is a much broader concept

#### **Energy Efficiency**

Energy savings and profit Negative-conservation focused Operational issue Individual technologies Investment in objects Multiple benefits not quantified Limited scale and scope economies Mainly a micro-level concept **Energy Productivity** Value creation and growth Positive-output focused Strategic issue Technological complementarity Investment in systems Multiple benefits main driver Large scale and scope economies Both a micro and macro level concept

Credit to KAPSARC



#### Alliance Advocacy: Setting Bold Goals Drives Policy Action





#### America could save \$327 BILLION IN 2030



**\$139** BILLION in Transportation



**\$94** BILLION in Industry

#### TO OUR COUNTRY THIS MEANS



#### A CLEANER ENVIRONMENT

Decrease U.S.  $CO_2$  emissions to 4 billion metric tons – 33% less than 2005

GREATER SECURITY Reduce energy imports by over \$100 billon

STRONGER ECONOMY The U.S. could add **1.3 million** jobs and boost GDP by up to 2%

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# Thank you!

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