



# The Outlook for Energy: A View to 2040

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December 11, 2012

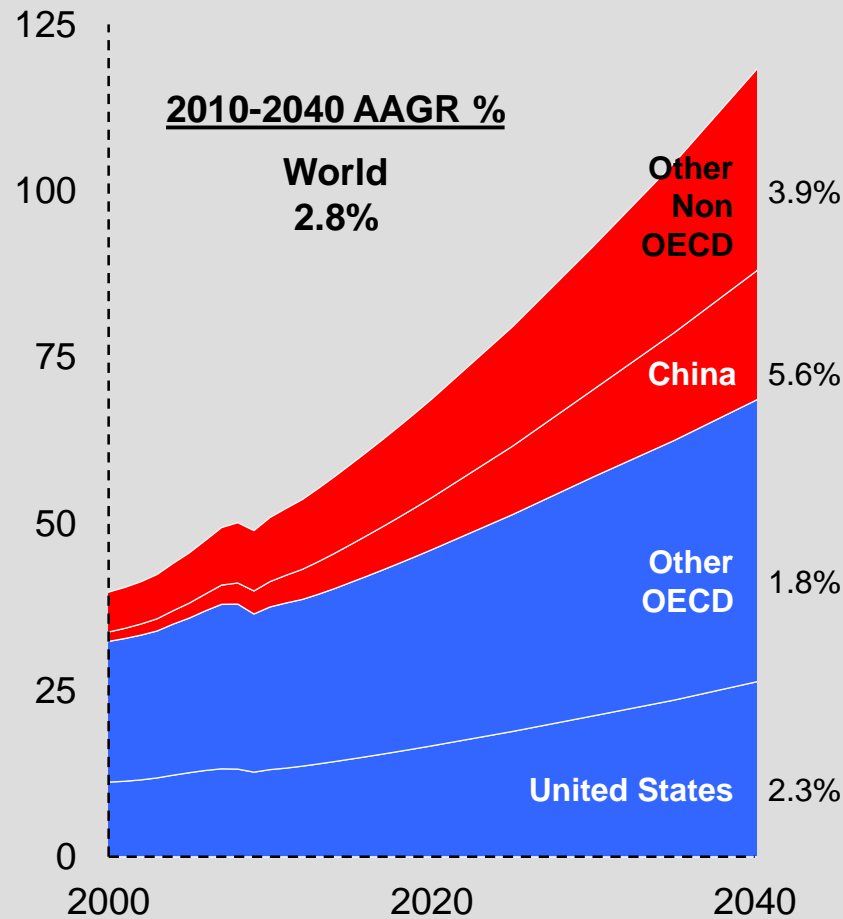
This presentation includes forward-looking statements. Actual future conditions (including economic conditions, energy demand, and energy supply) could differ materially due to changes in technology, the development of new supply sources, political events, demographic changes, and other factors discussed herein and under the heading "Factors Affecting Future Results" in the Investors section of our website at: [www.exxonmobil.com](http://www.exxonmobil.com). The information provided includes ExxonMobil's internal estimates and forecasts based upon internal data and analyses as well as publically-available information from external sources including the International Energy Agency. This material is not to be used or reproduced without the permission of Exxon Mobil Corporation. All rights reserved.

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# Economic Growth Drives Energy Demand

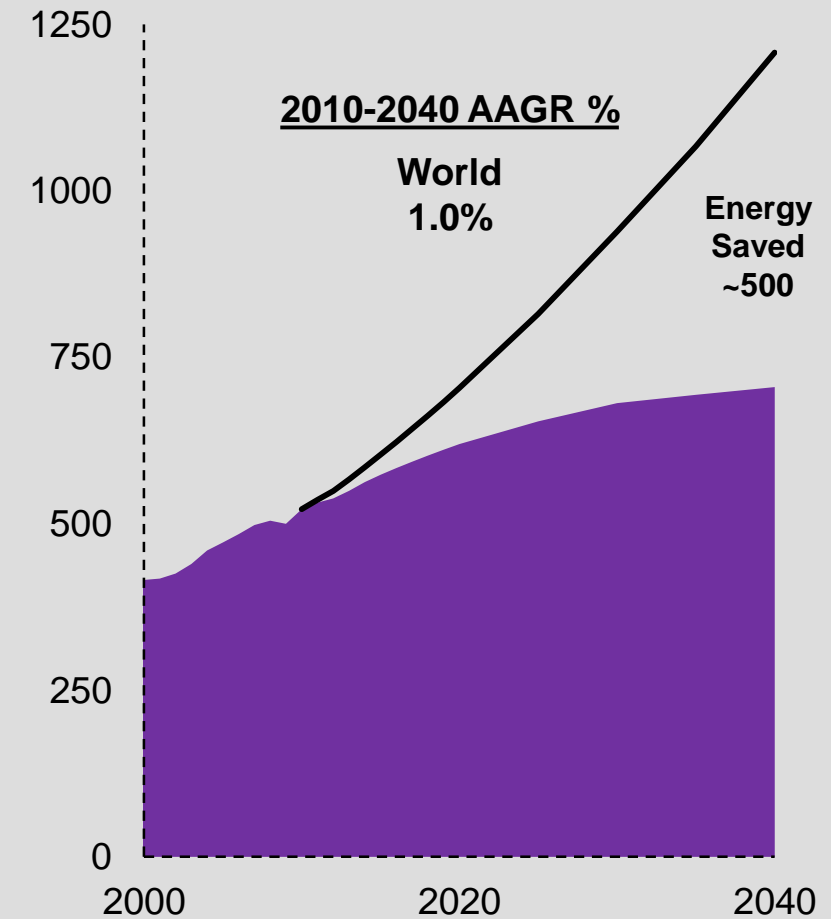
## GDP

Trillion 2005\$



## Energy Demand

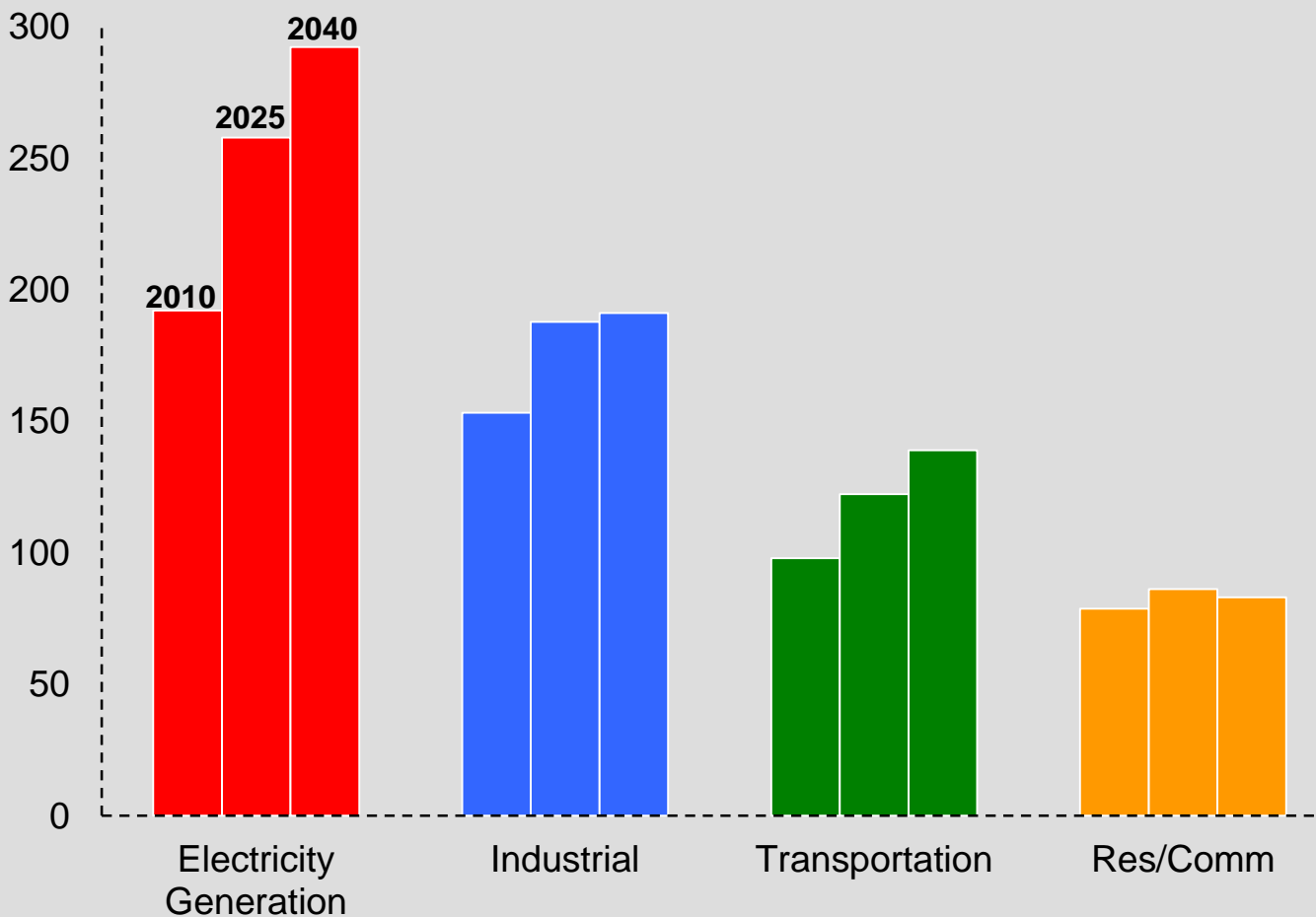
Quadrillion BTUs



# Electricity Generation Leads Growth

## Energy Demand by Sector

Quadrillion BTUs





# Transportation

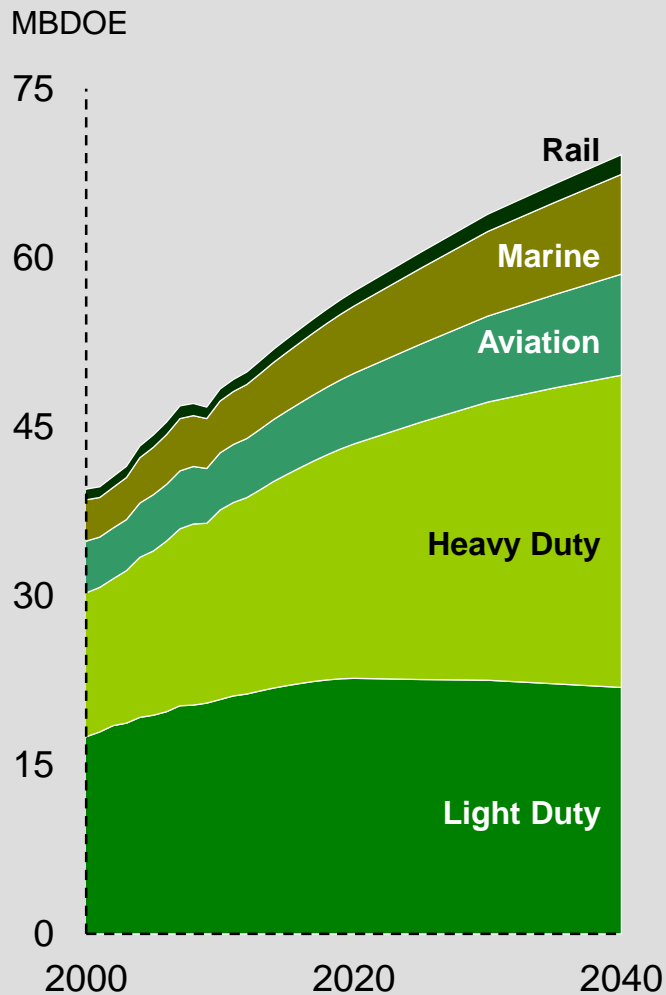
# 65%

Heavy duty transportation demand grows 65 percent by 2040.

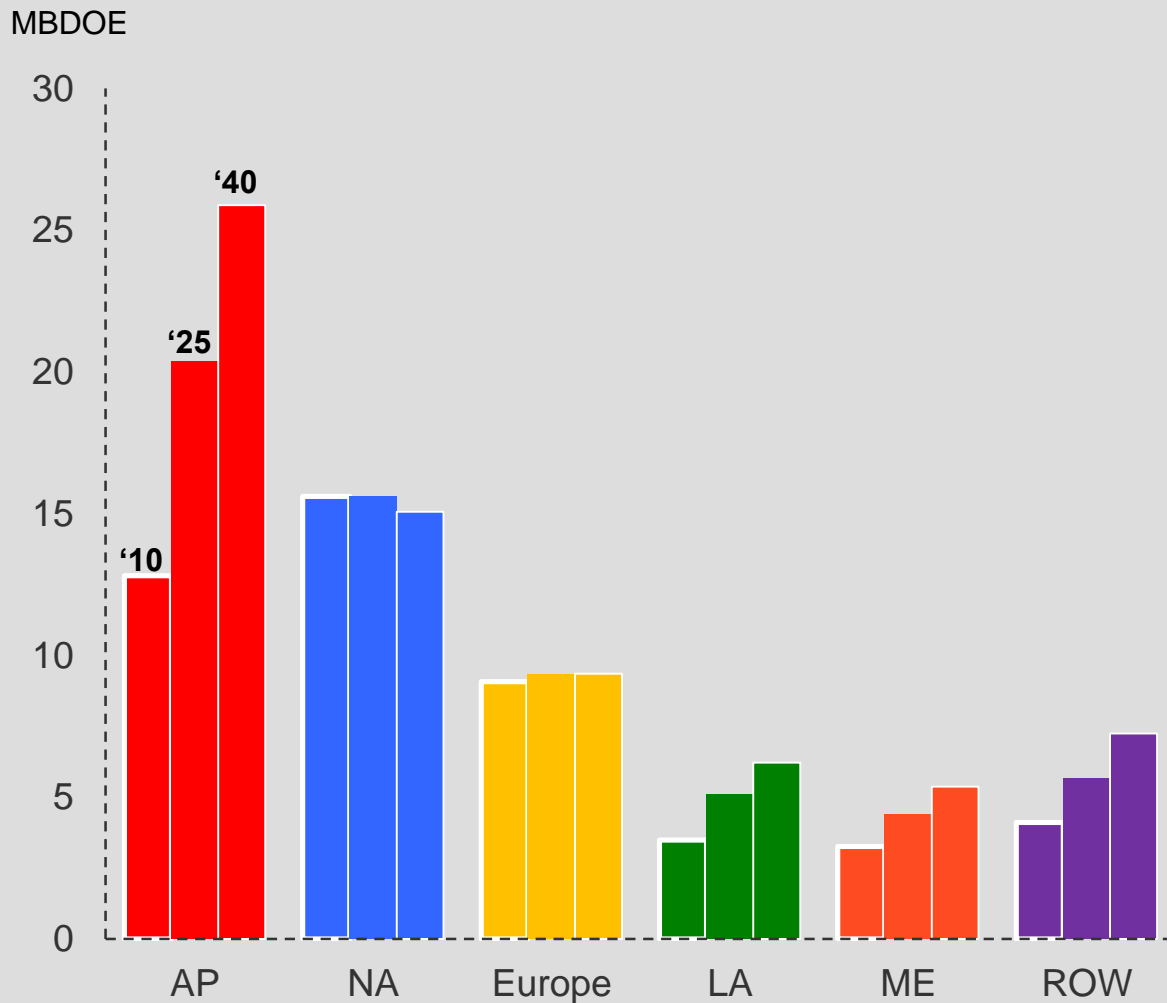


# Transportation Demand

## Sector Demand

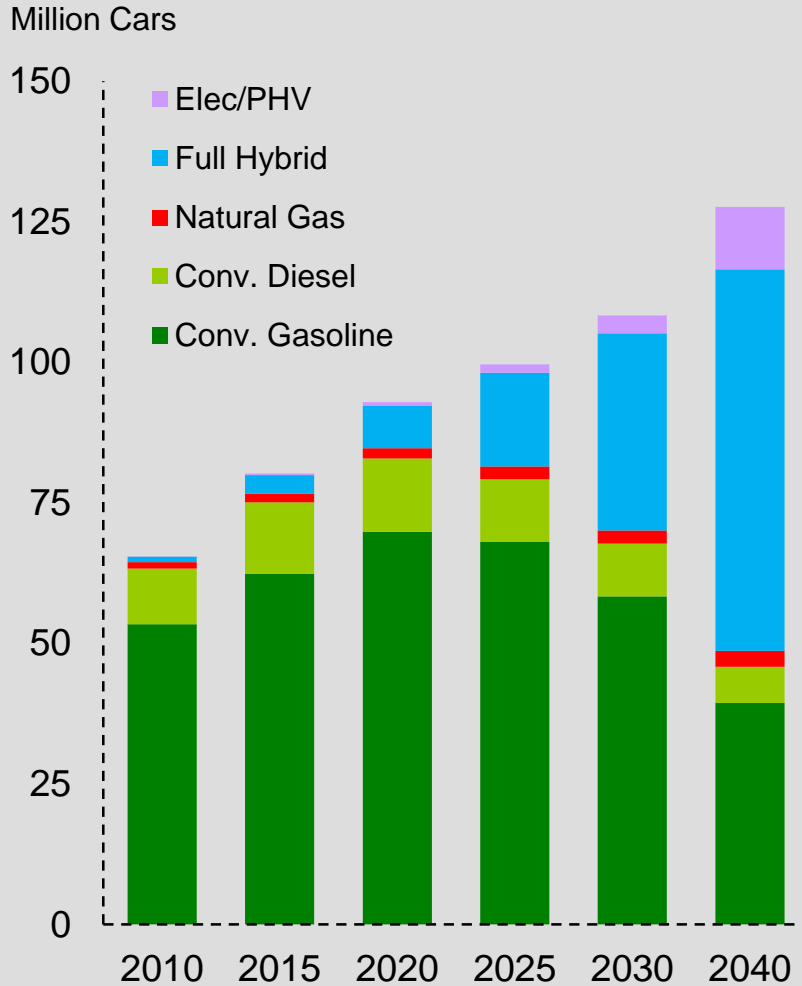


## Demand by Region

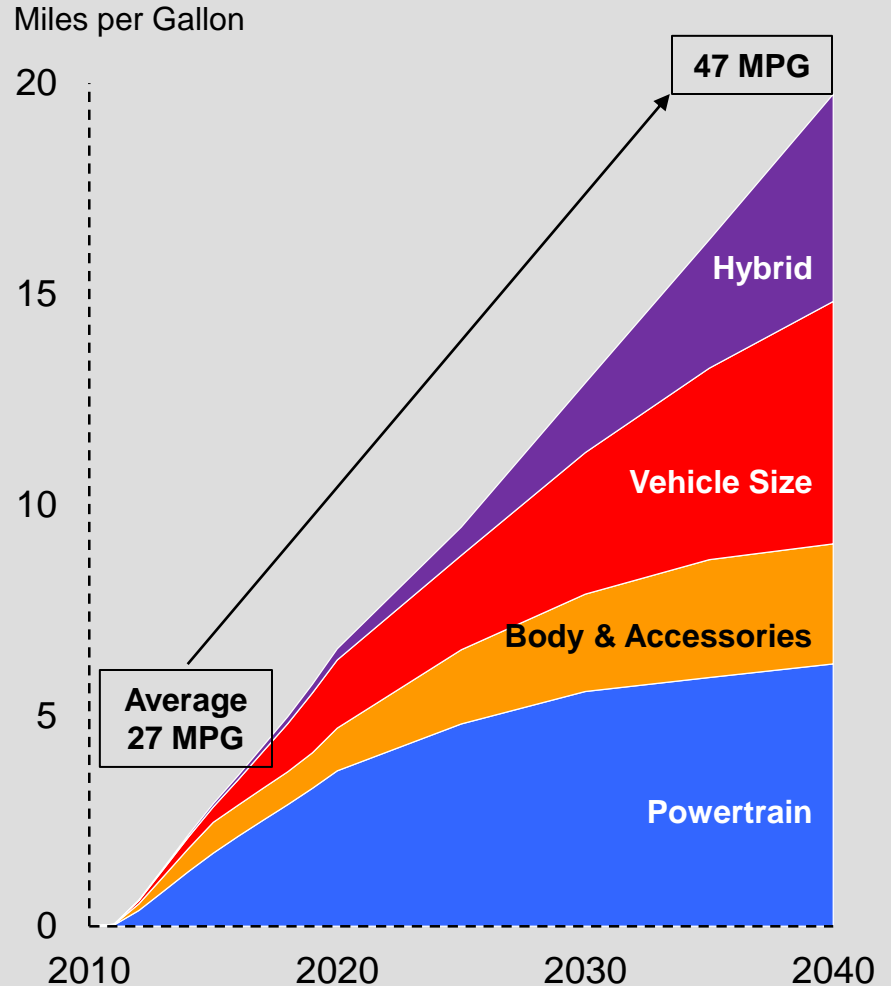


# Light Duty Vehicle Sales & Efficiency

## Annual New Car Sales by Type



## Incremental Vehicle Efficiency Gains

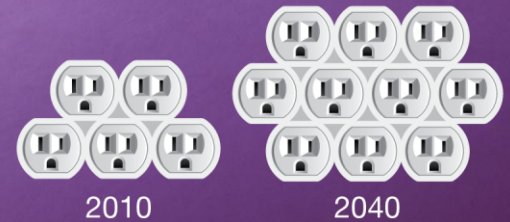




# Electricity generation

# 85%

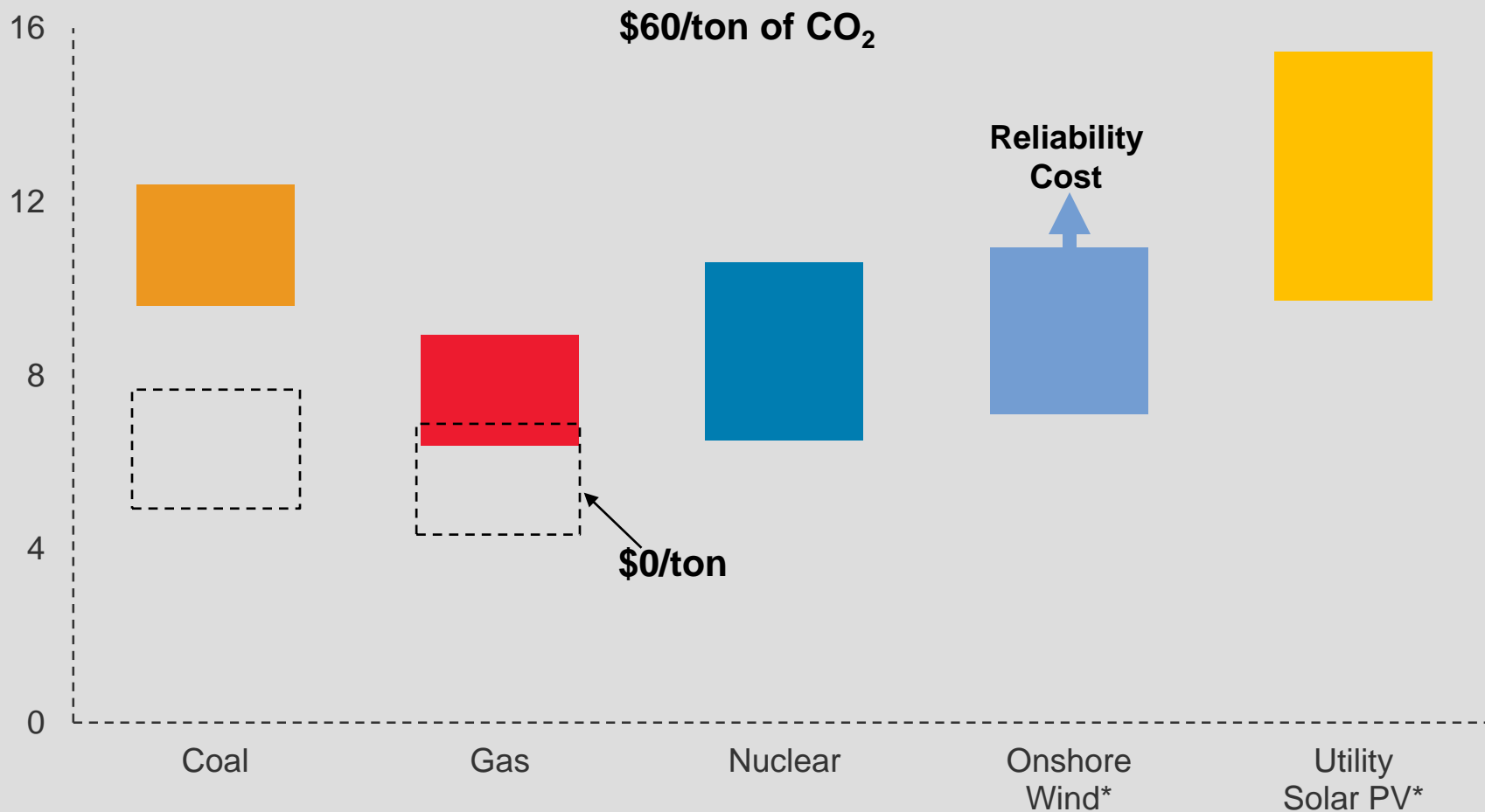
Global electricity demand will grow by 85 percent over the *Outlook* period.



# Economic Choices for U.S. Electricity

## Baseload, Startup 2030

2012 cents/kWh



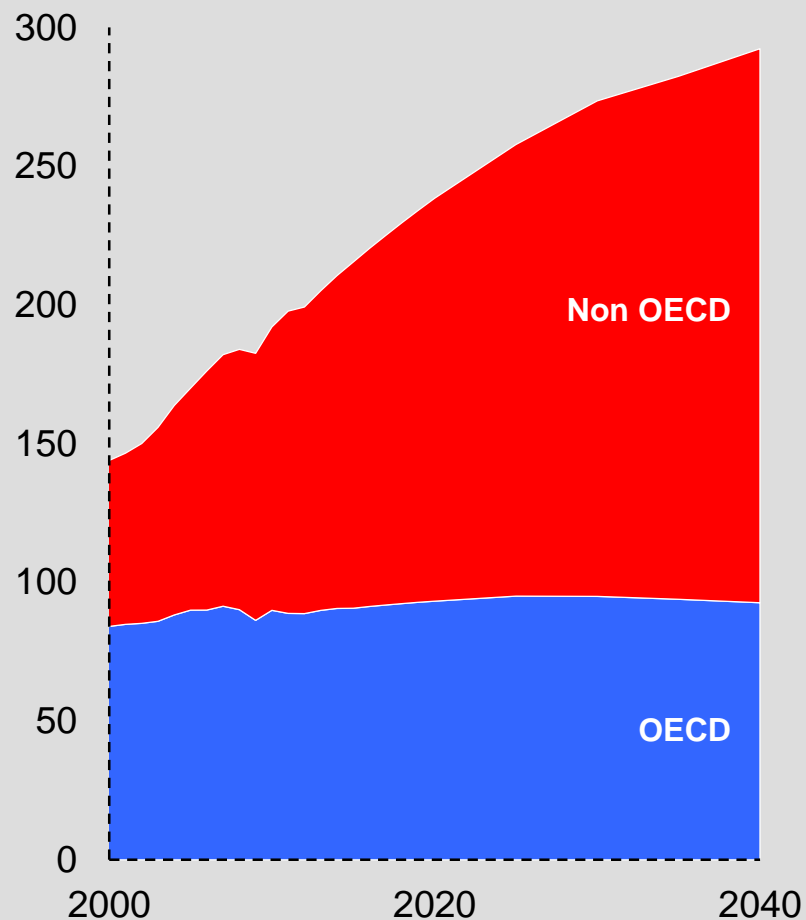
\*Wind and solar exclude costs for integration, backup capacity and additional transmission



# Fueling Electricity Generation Varies by Region

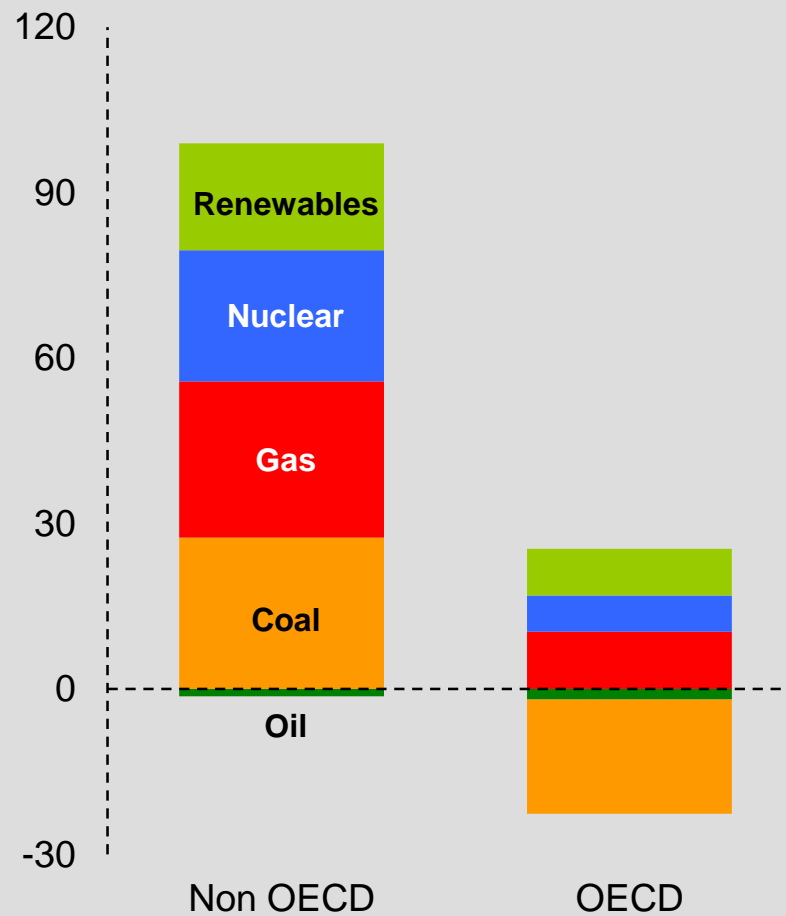
## Electricity Generation

Quadrillion BTUs



## Growth in Fuels from 2010 to 2040

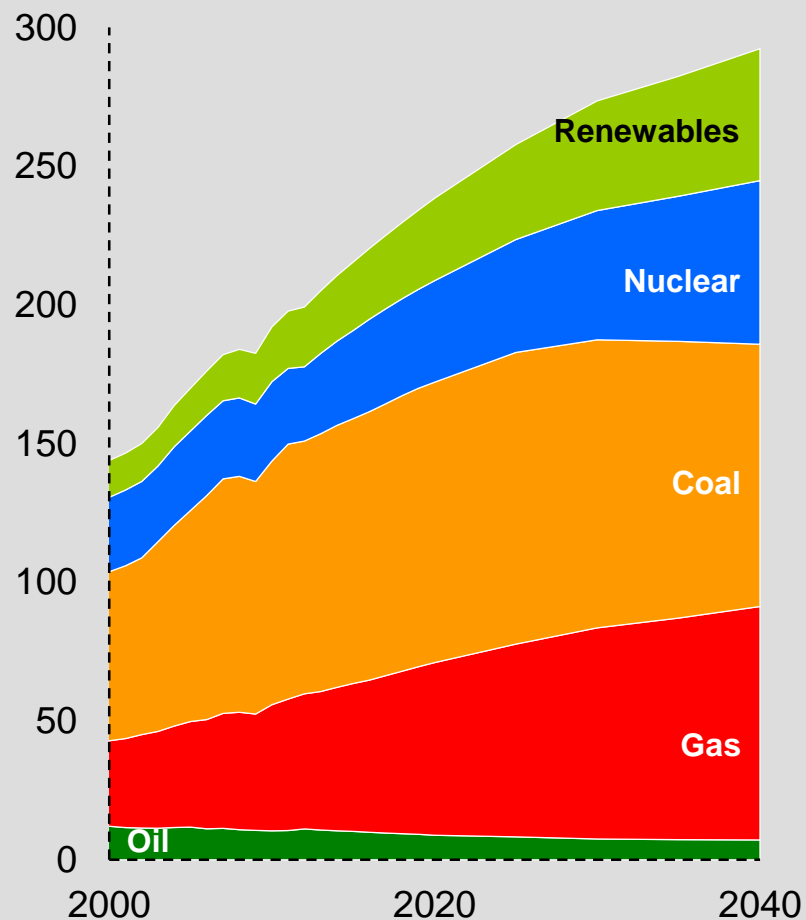
Quadrillion BTUs



# Fueling Electricity Generation Varies by Region

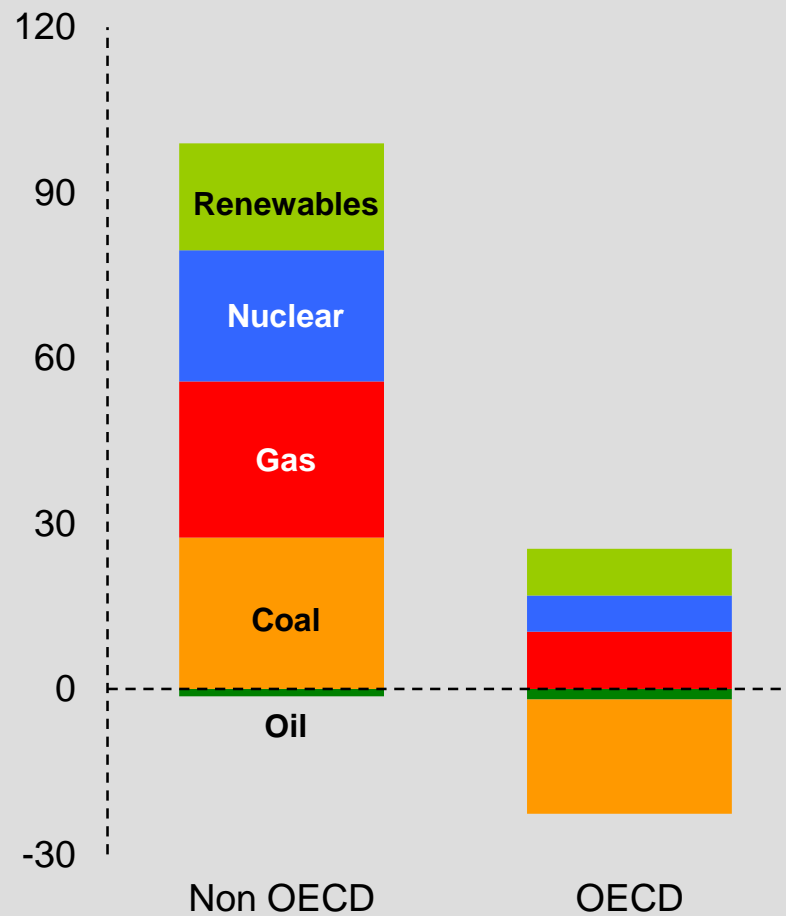
## Electricity Generation

Quadrillion BTUs



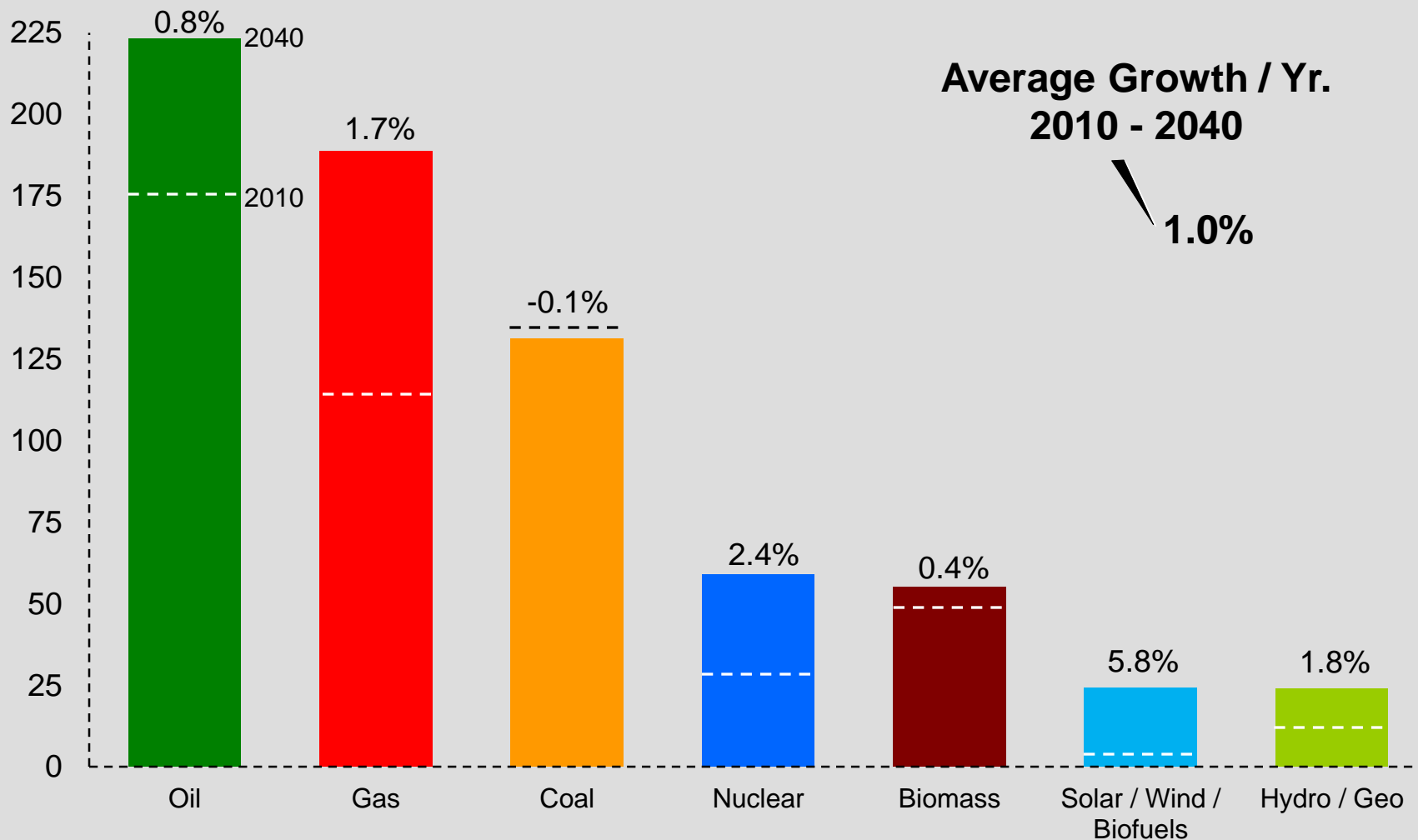
## Growth in Fuels from 2010 to 2040

Quadrillion BTUs



# Energy Mix Continues to Evolve

Quadrillion BTUs

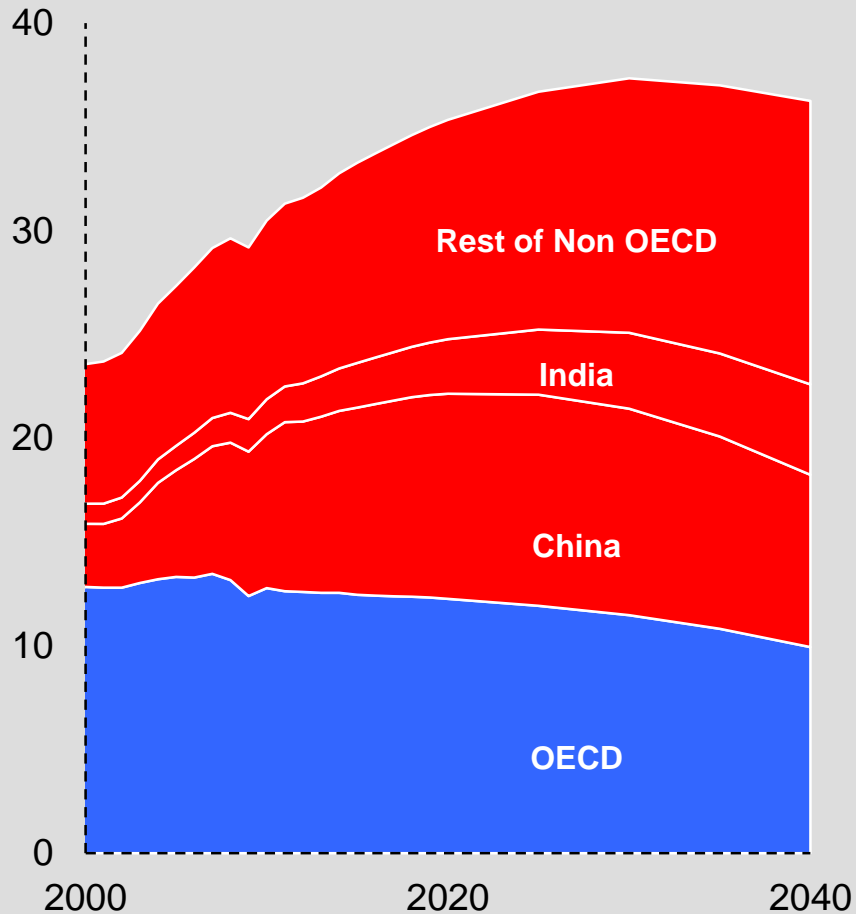


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# CO<sub>2</sub> Emissions Plateau

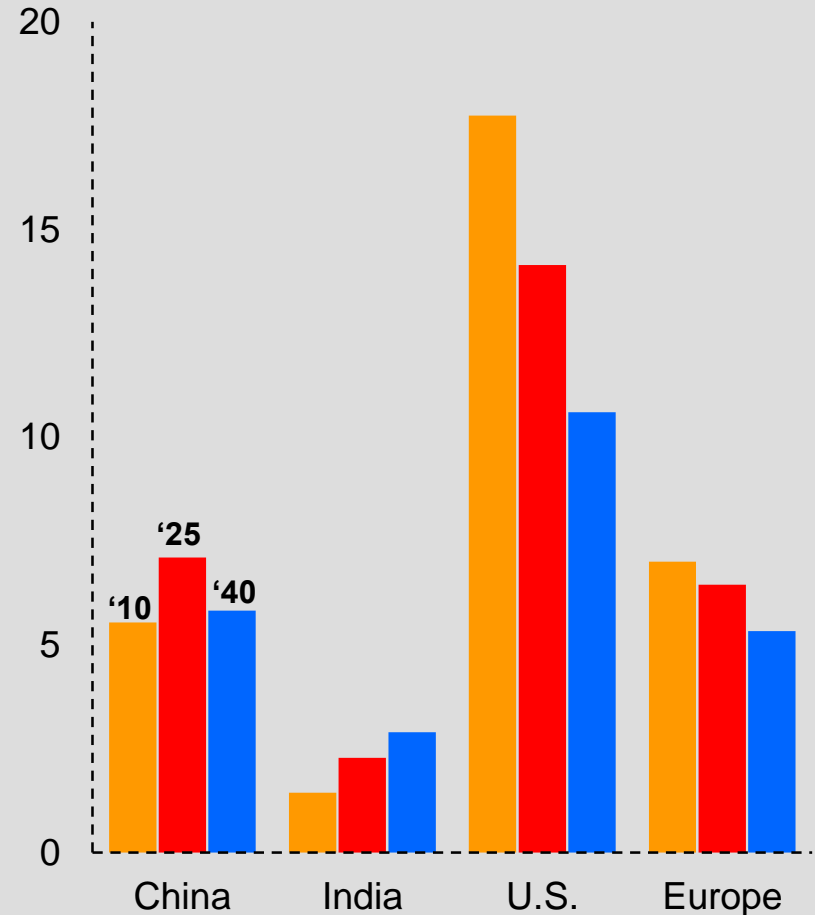
## By Region

Billion Tons



## Emissions Per Capita

Tons per Person



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# Supply



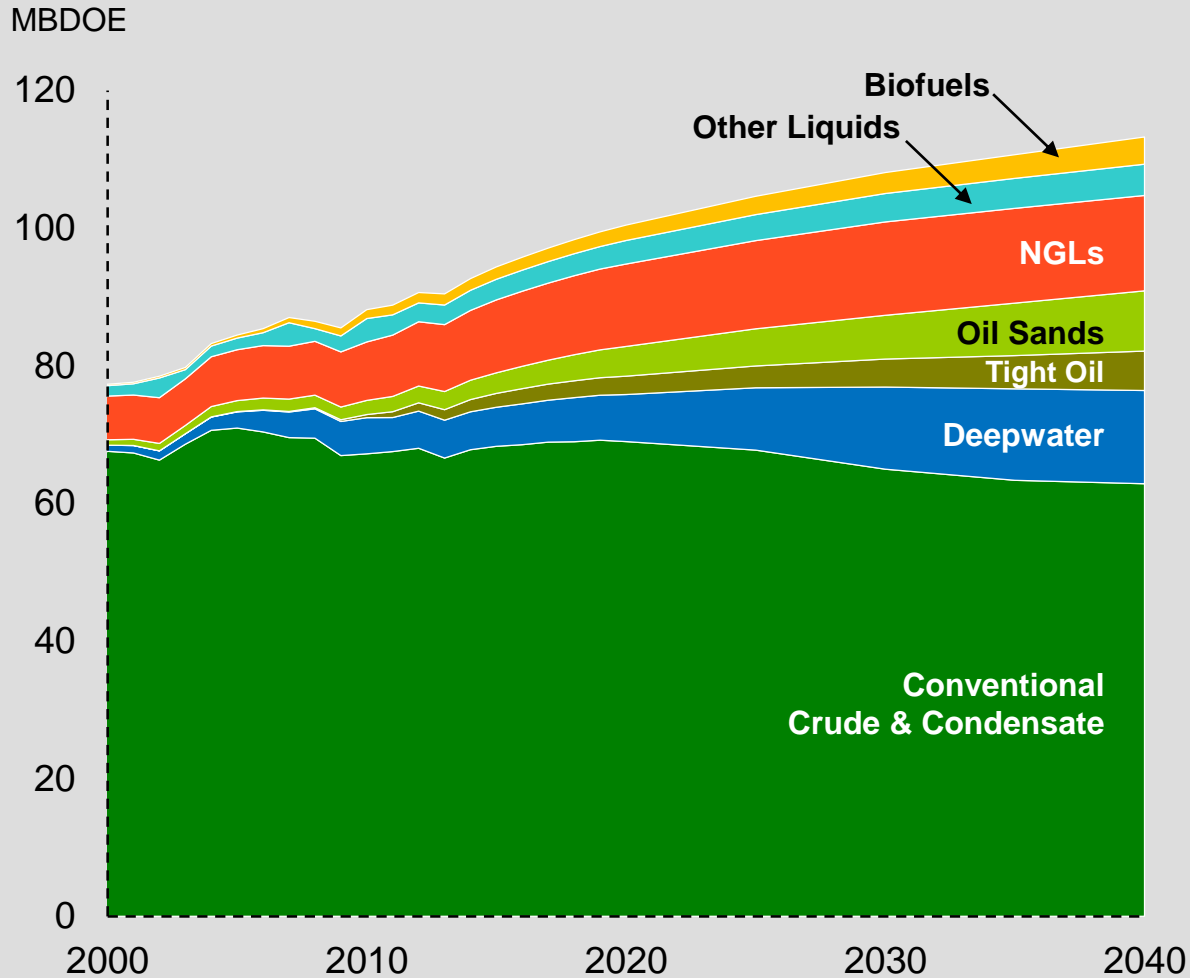
# 60%

Oil and gas will supply about 60 percent of global energy demand in 2040, up from 55 percent in 2010.

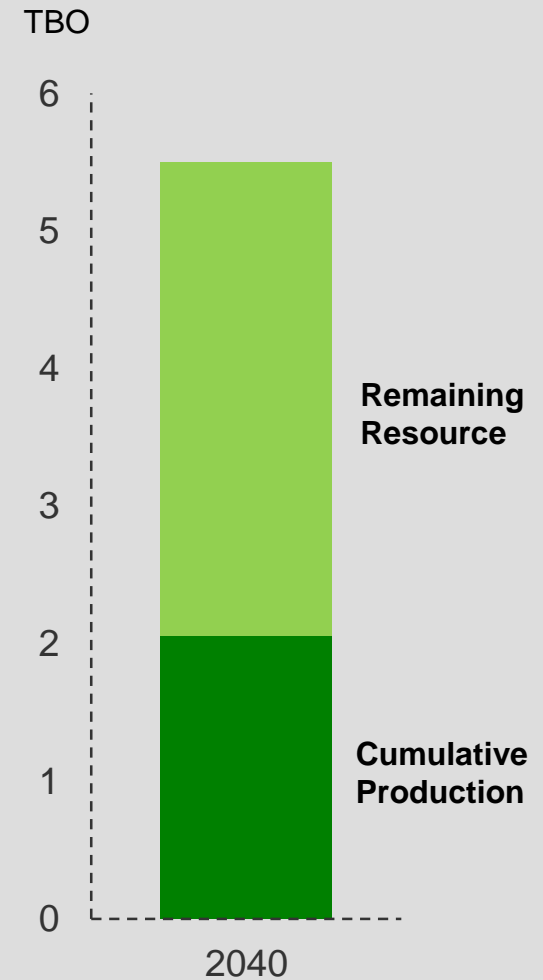


# Liquids Supply

## Supply by Type

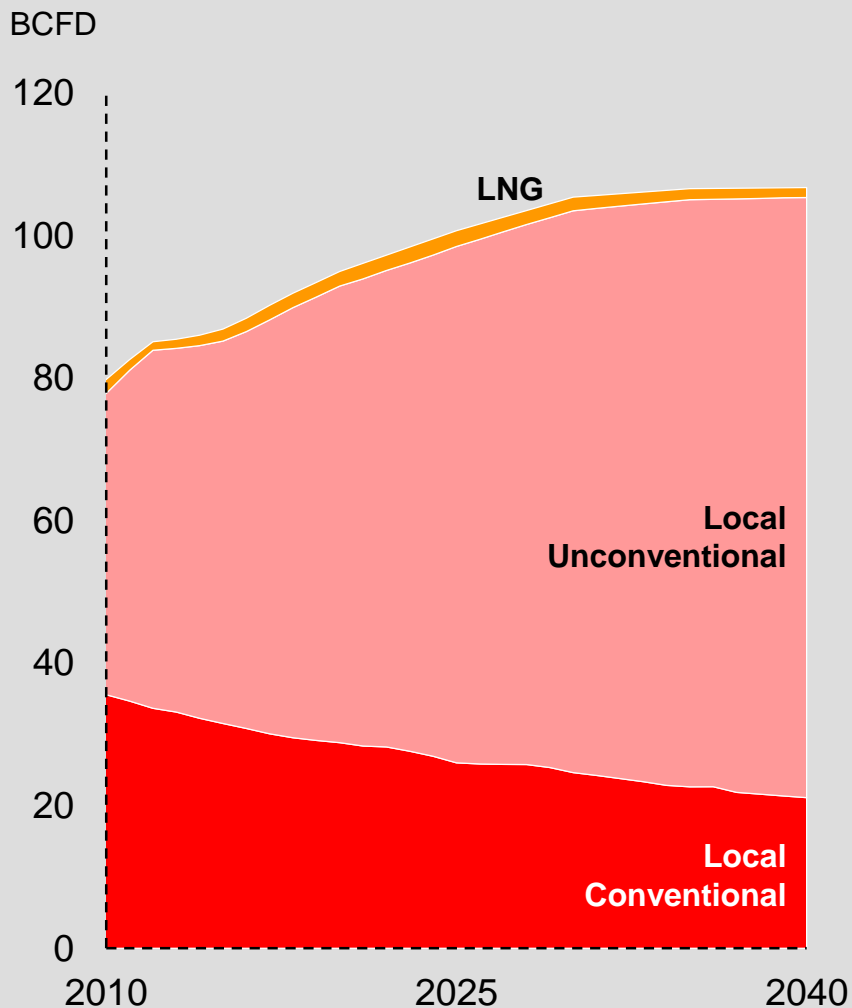


## Resource\*

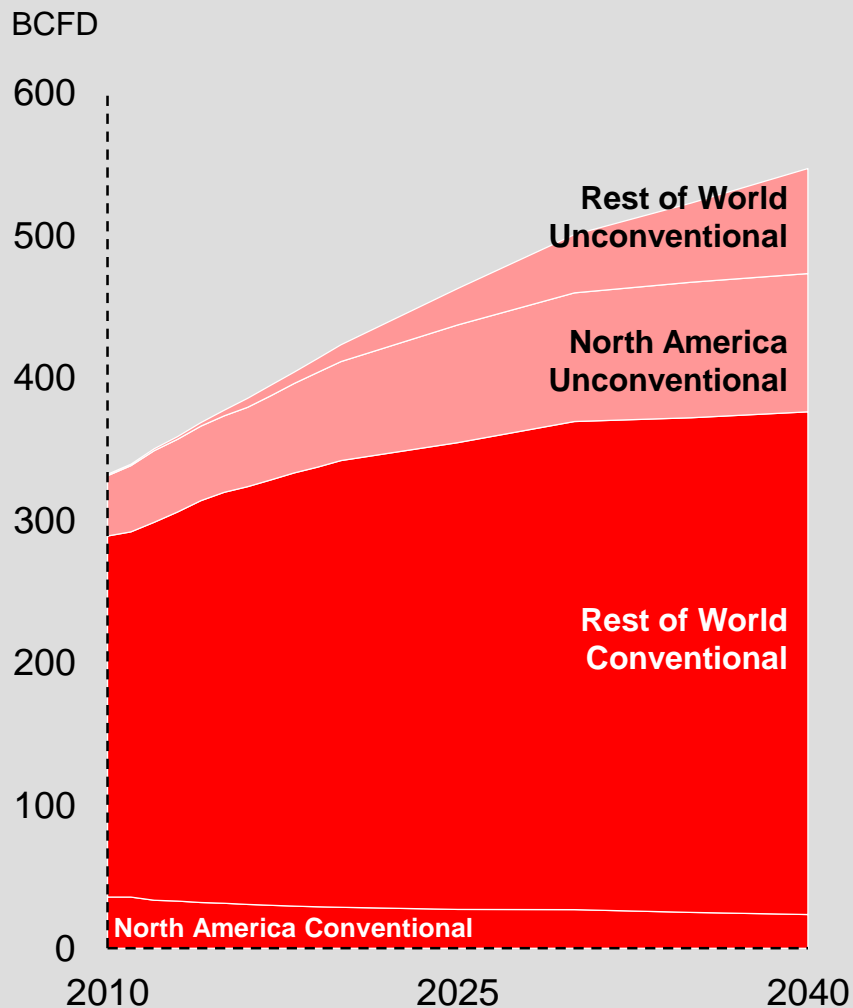


# Natural Gas Supply and Demand Shifts

## North America Gas Supply



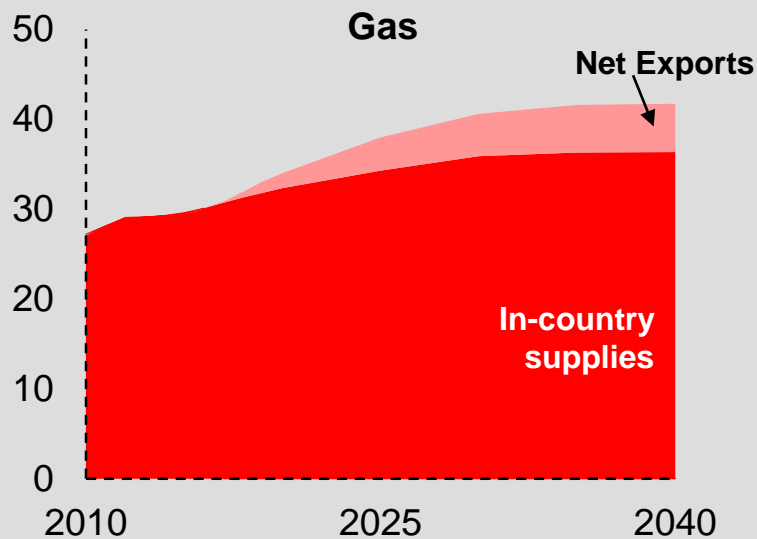
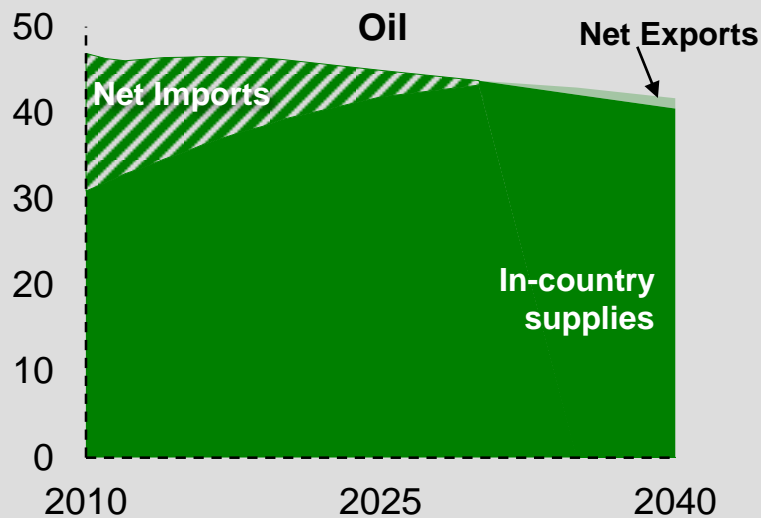
## Global Gas Supply



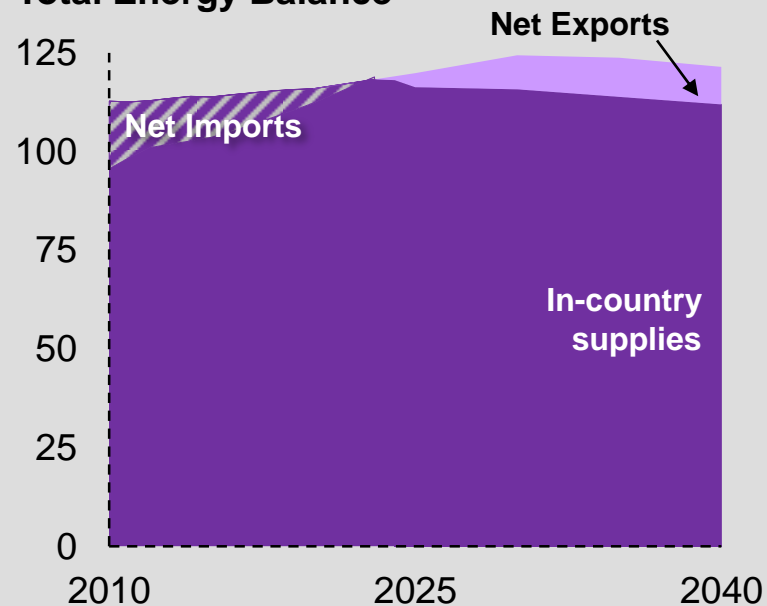
# North America Energy Balance



Quadrillion BTUs

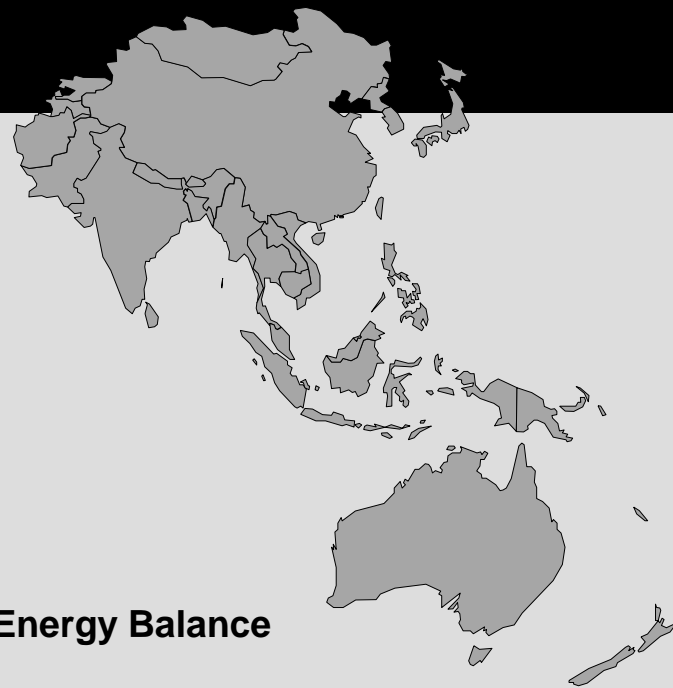


### Total Energy Balance

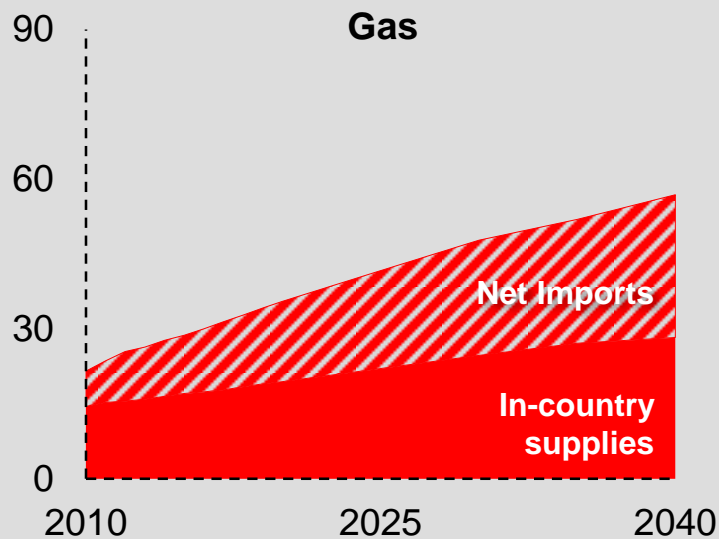
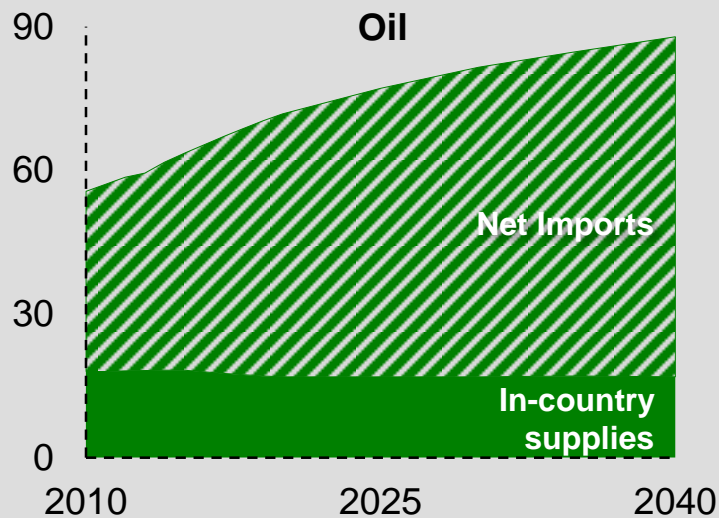




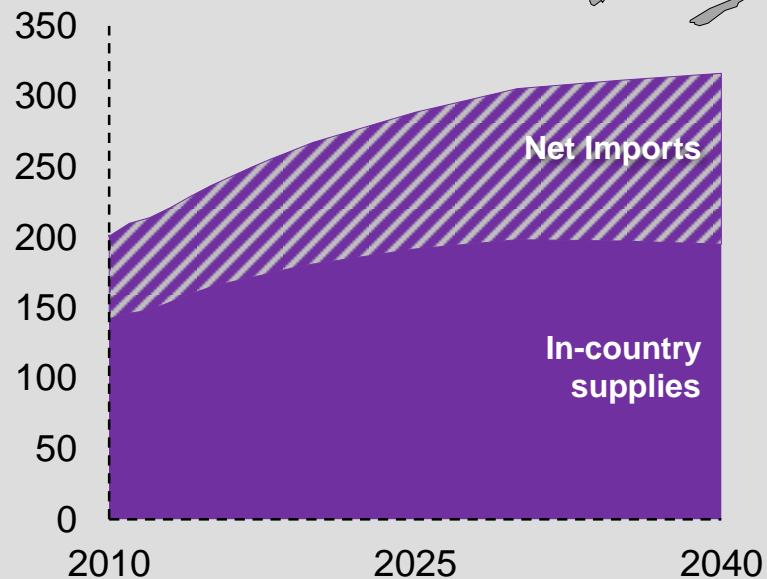
# Asia Pacific Energy Balance



Quadrillion BTUs



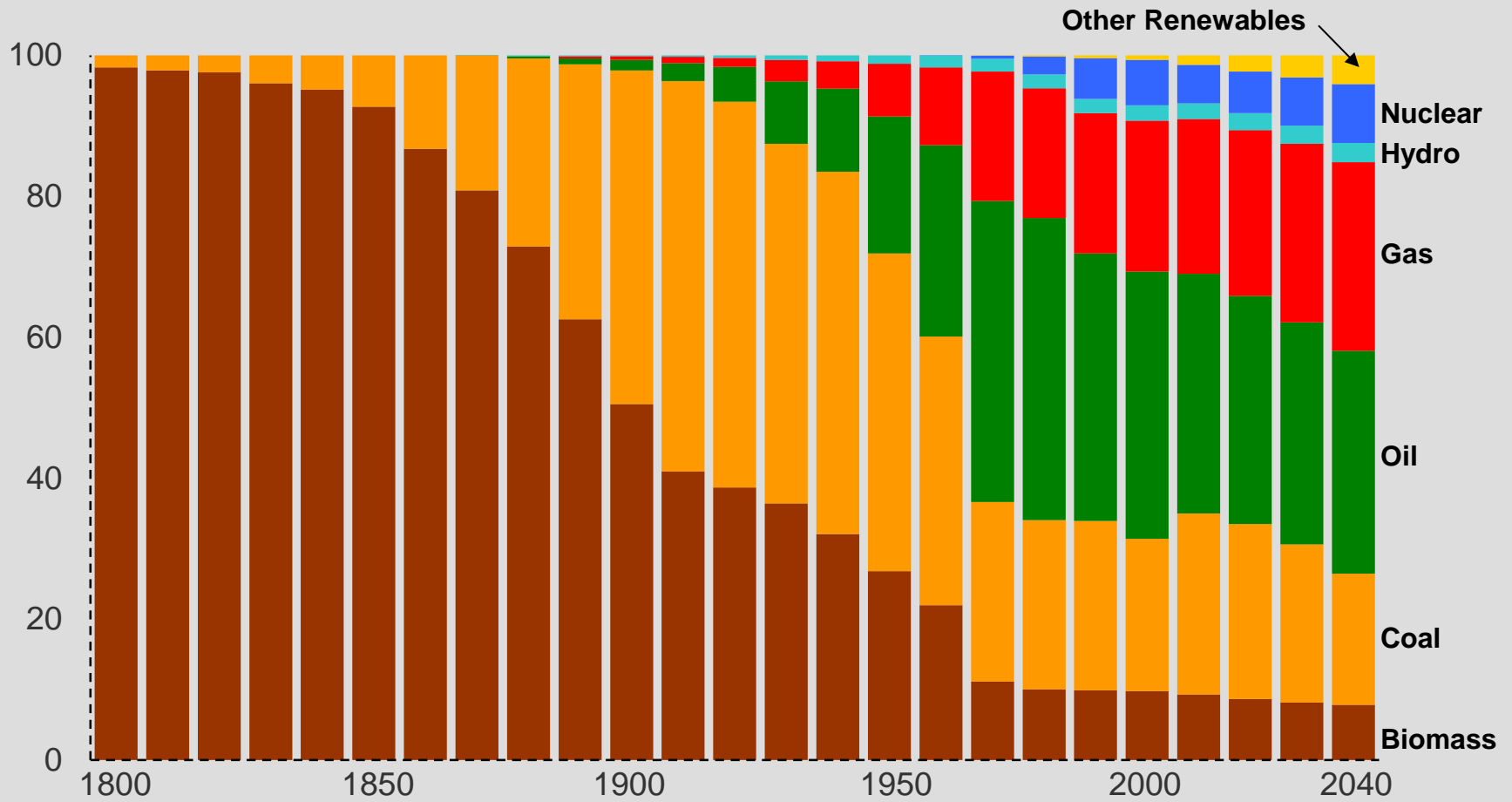
### Total Energy Balance



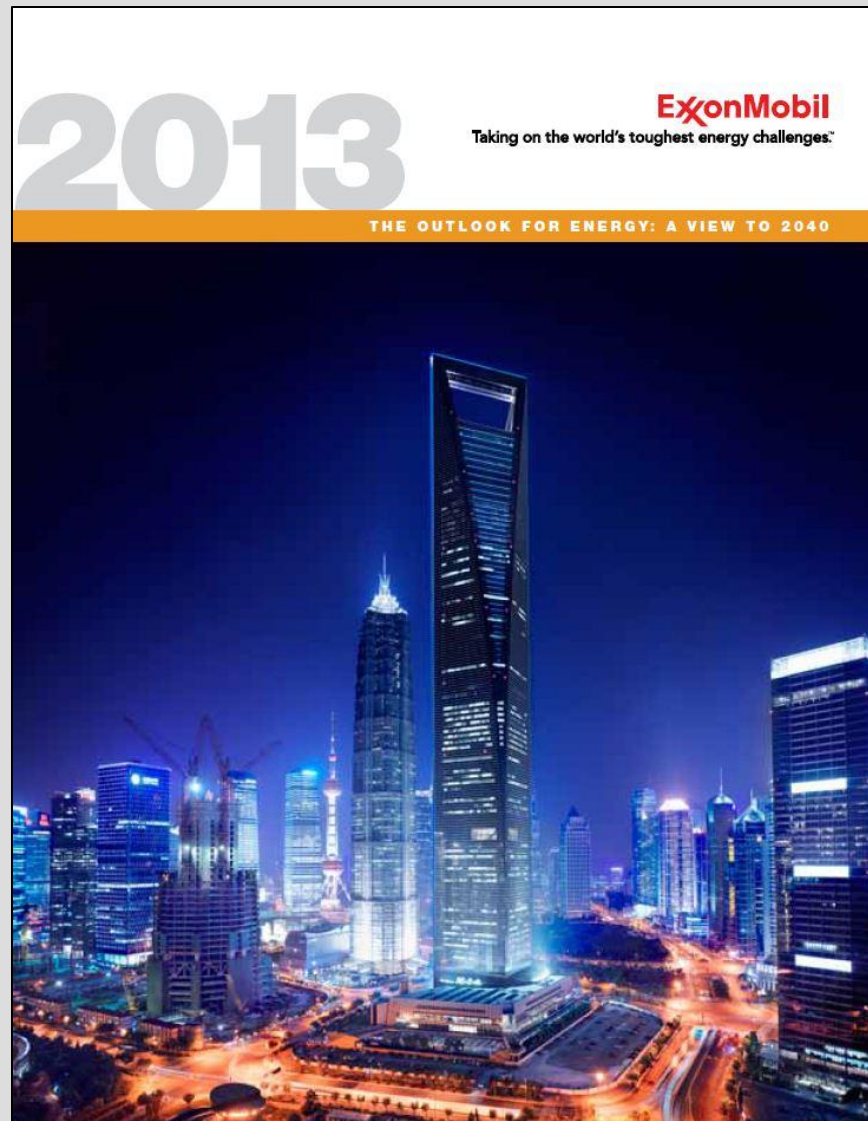
# Energy Use Evolves Over Time

## Global Percent Mix of Fuels

Percent



# Conclusions



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