

The Outlook for Energy: A View to 2040

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December 9, 2014

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. The information provided includes ExxonMobil's internal estimates and forecasts based upon internal data and analyses as well as publicly-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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Energy Outlook Development

100 countries

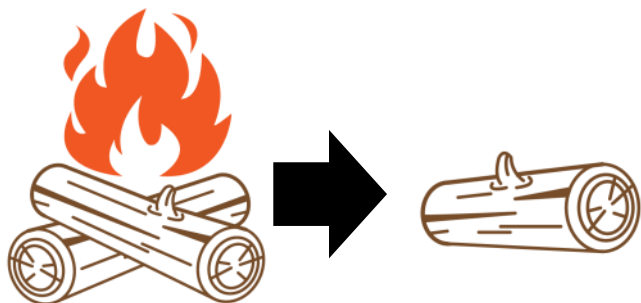
**15 demand
sectors**

**trade
flows**

**20 fuel
types**

technology & policy

Energy Measures and Units



1 log = 24,500 BTU

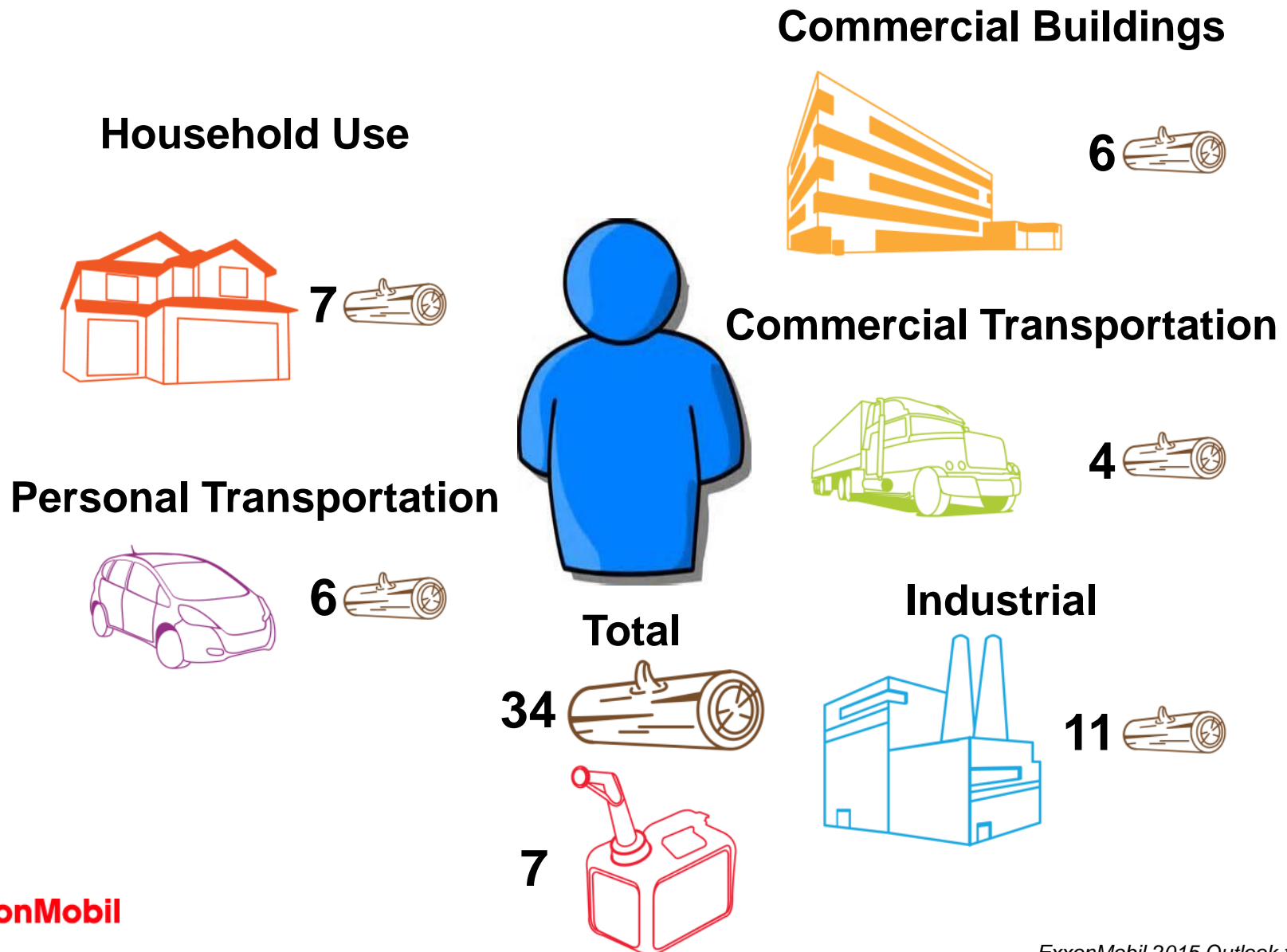


1 gallon gasoline = 5 logs



**1 gallon gasoline = 36 kWh
13,000 AA batteries
4,000 smart phone batteries**

2010 U.S. Daily Per Capita Energy Demand



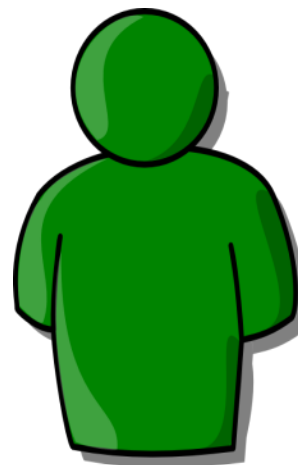
2010 World Daily Energy Demand



U.S. Per Capita

34 

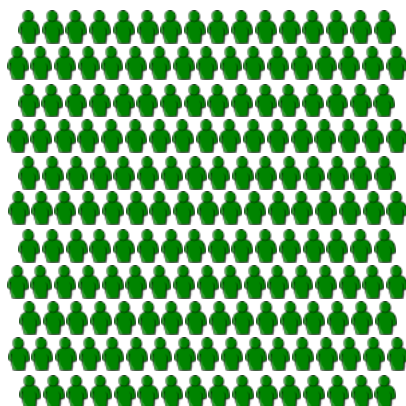
7 



World Per Capita

9 

1.7 



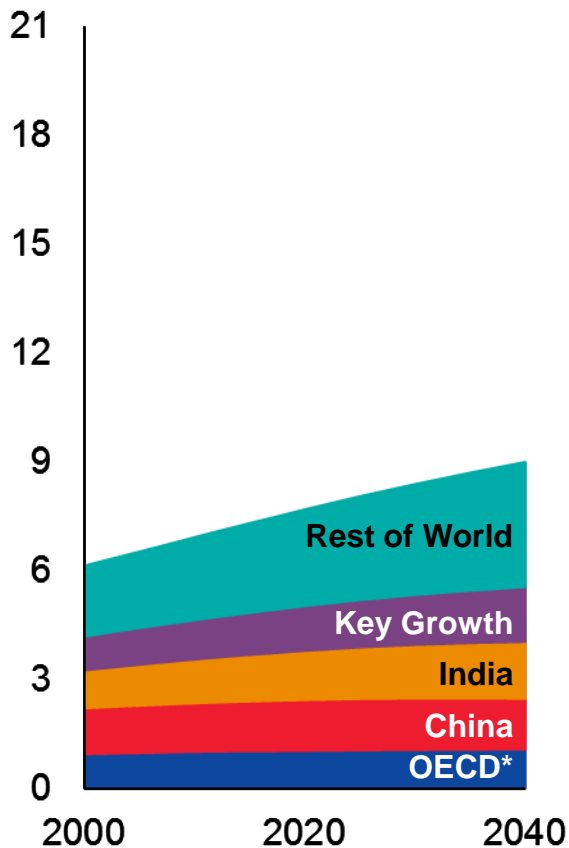
Times 7 billion people =
~12 billion gallons per day

260 MBDOE
525 QUADS

Global Progress Drives Demand

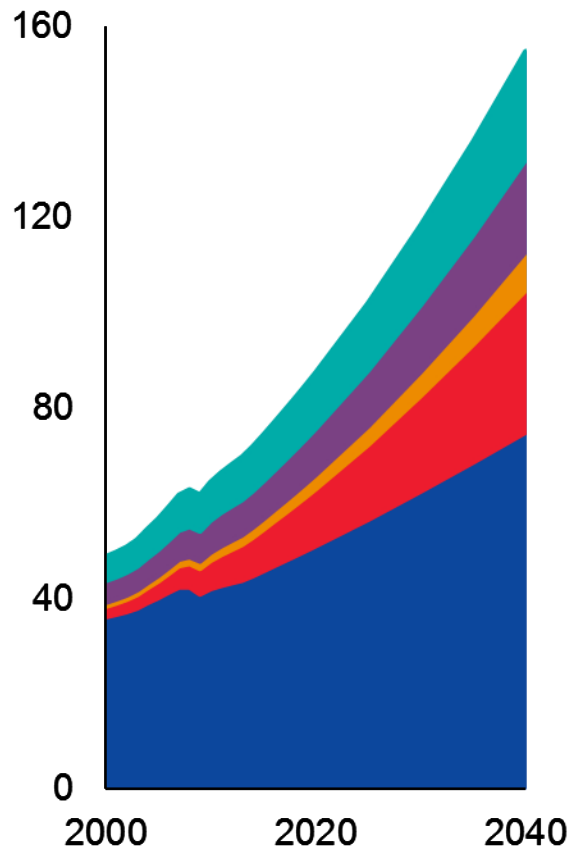
Population

Billion



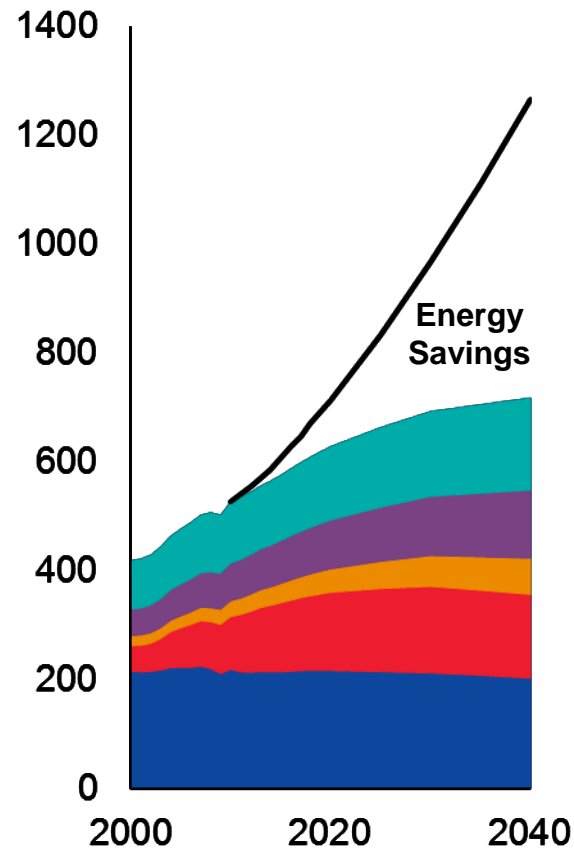
GDP

Trillion 2010\$



Energy Demand

Quadrillion BTUs

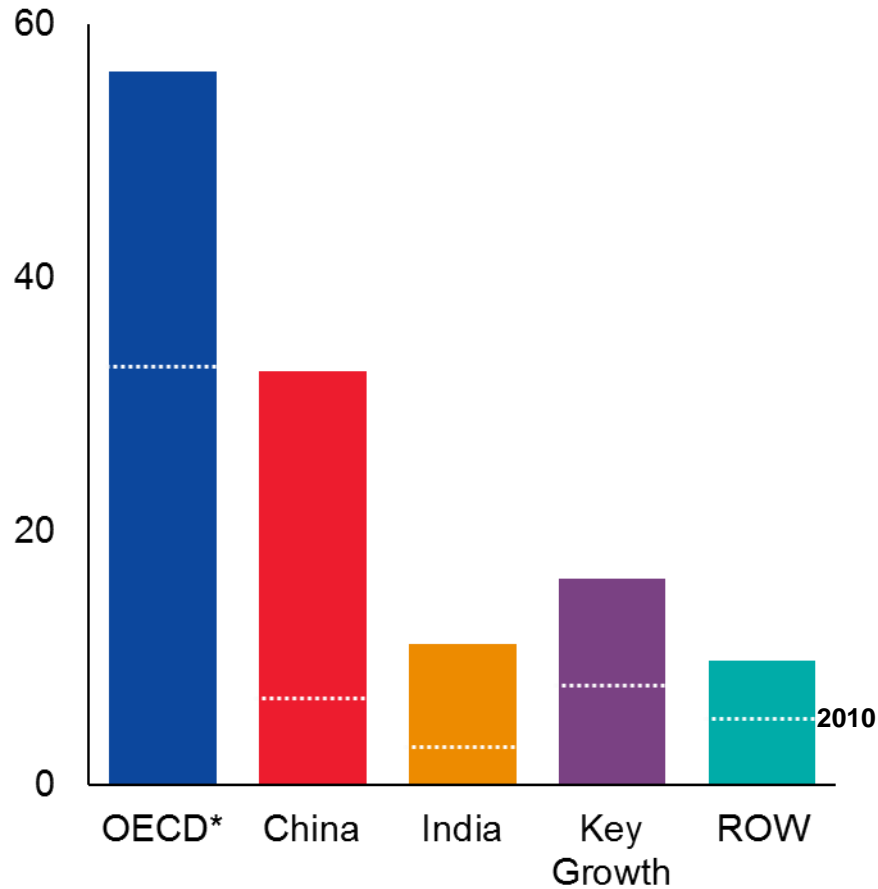


**Mexico and Turkey included in Key Growth countries*

Standards of Living Increase in the Non OECD

2040 GDP per Capita

PPP 2005\$k



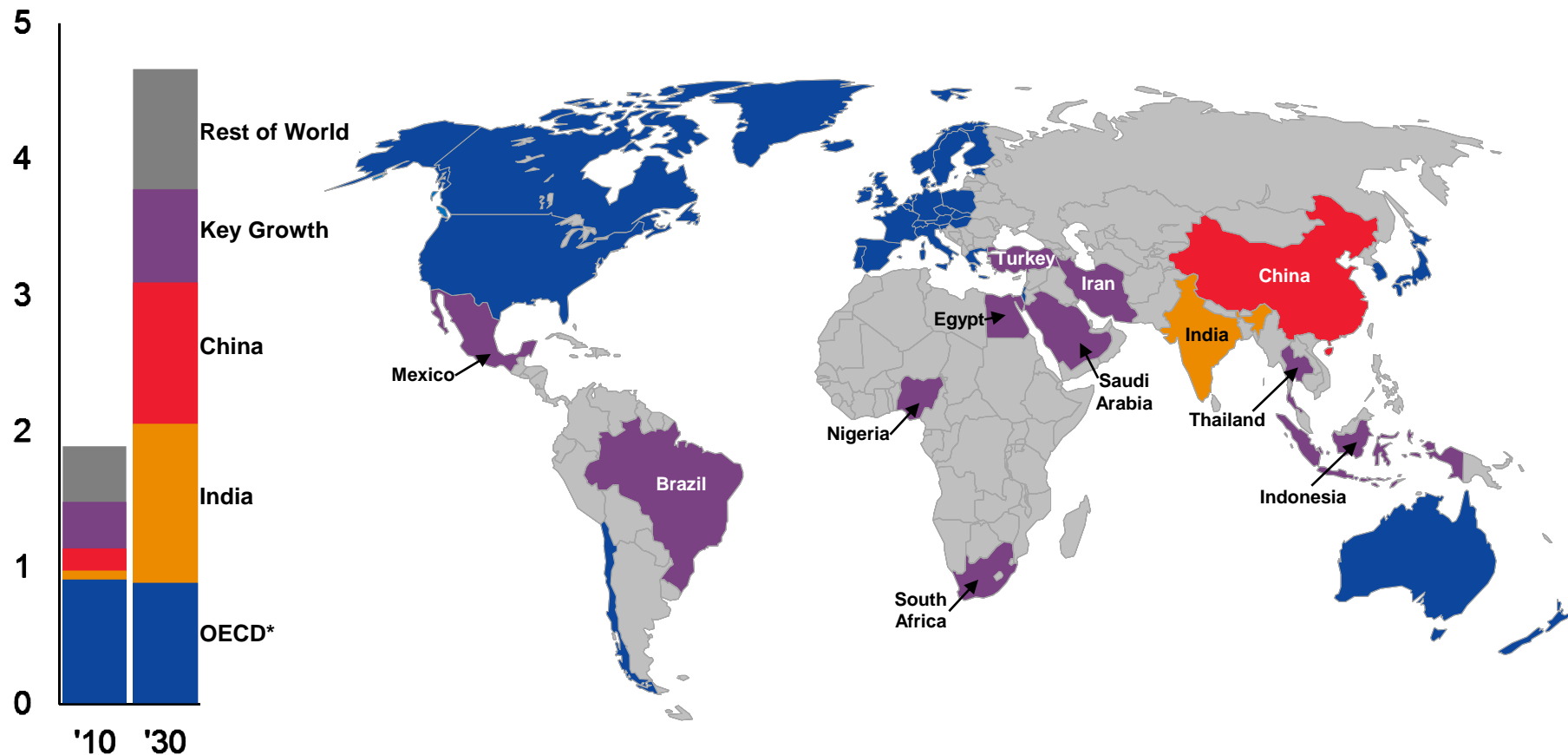
*Mexico and Turkey included in Key Growth countries



The Middle Class Continues to Grow

Middle Class per The Brookings Institution

Billion People

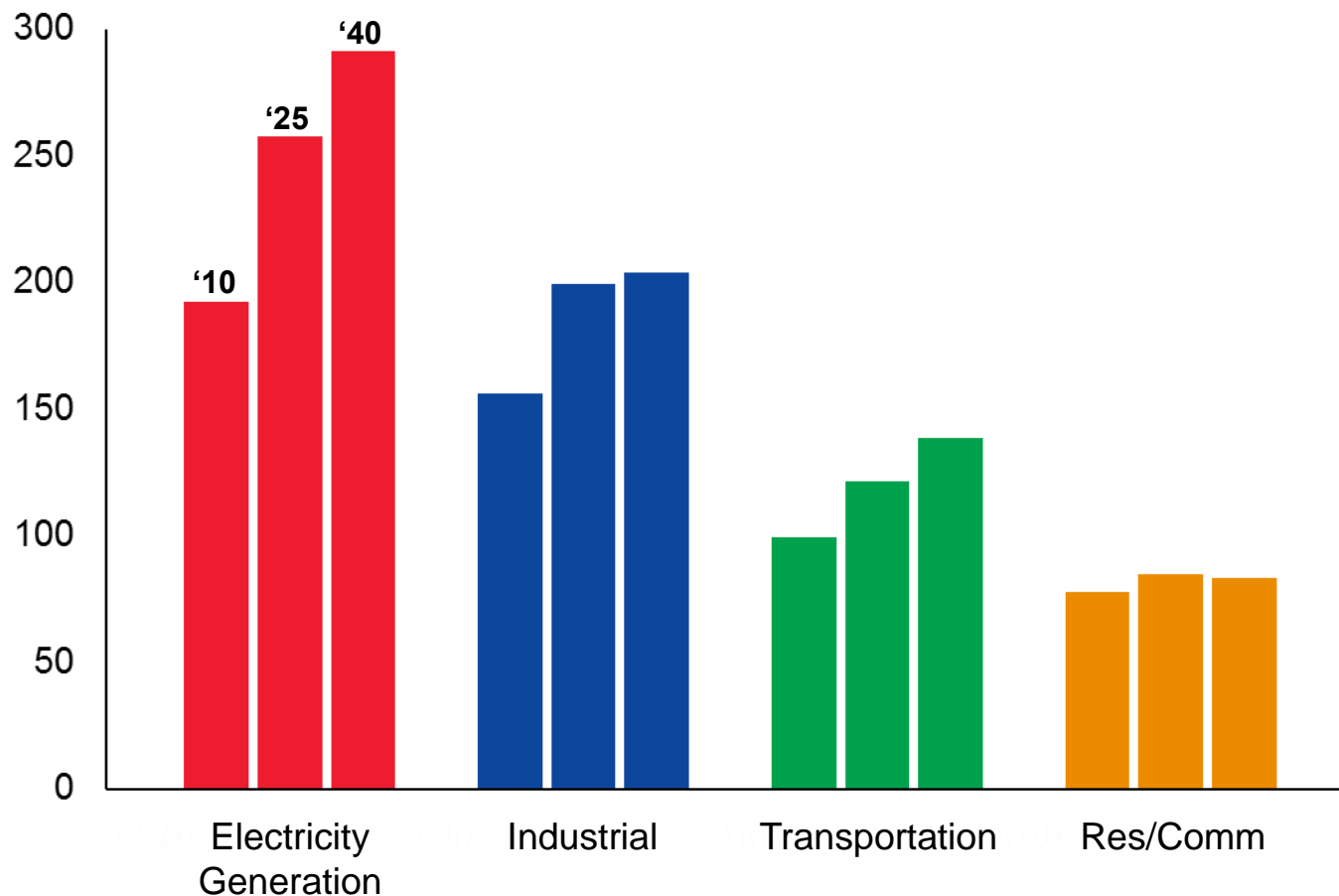


**Mexico and Turkey included in Key Growth countries*

Electricity Generation Leads Growth

Primary Energy Demand by Sector

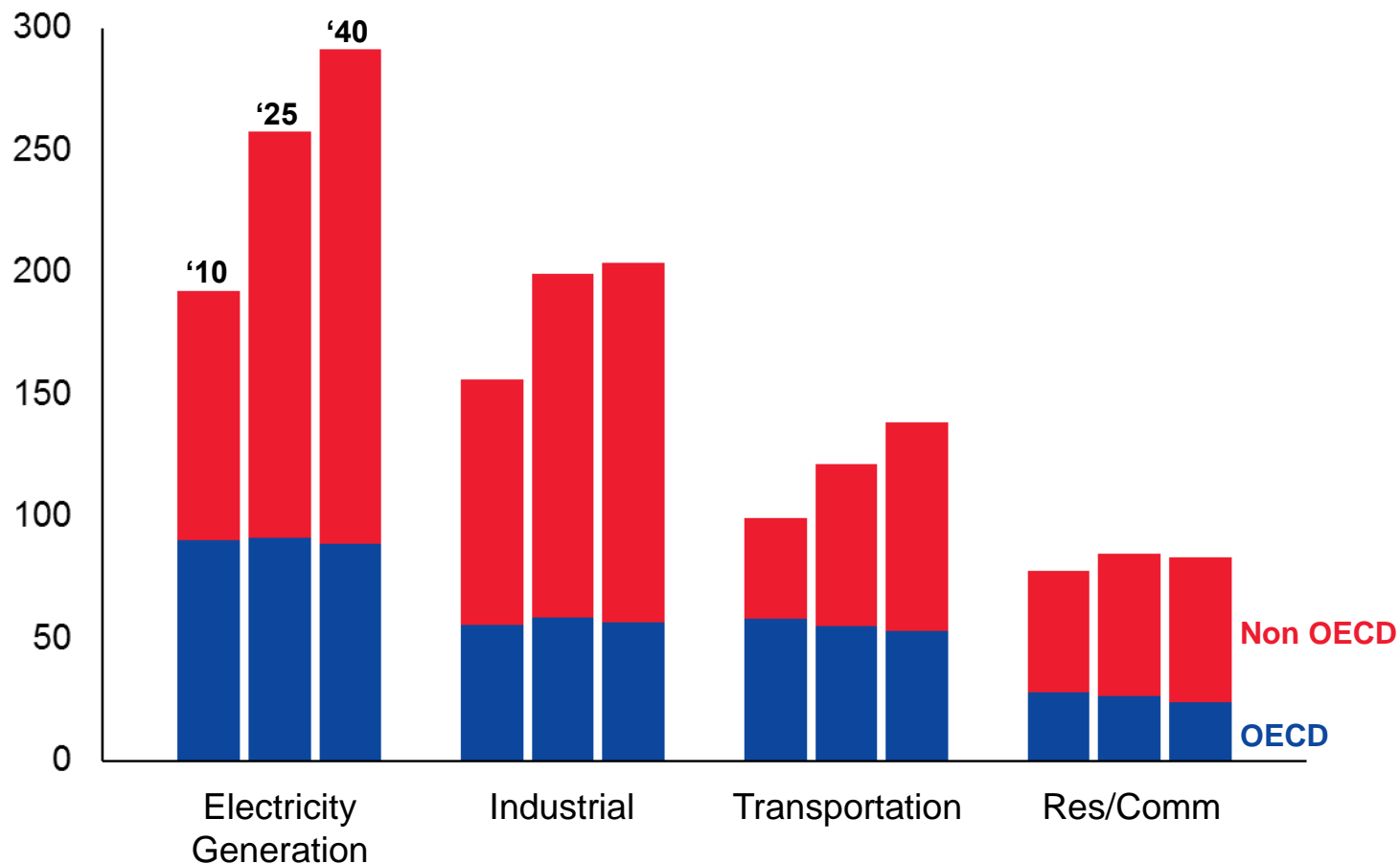
Quadrillion BTUs



Electricity Generation Leads Growth

Primary Energy Demand by Sector

Quadrillion BTUs



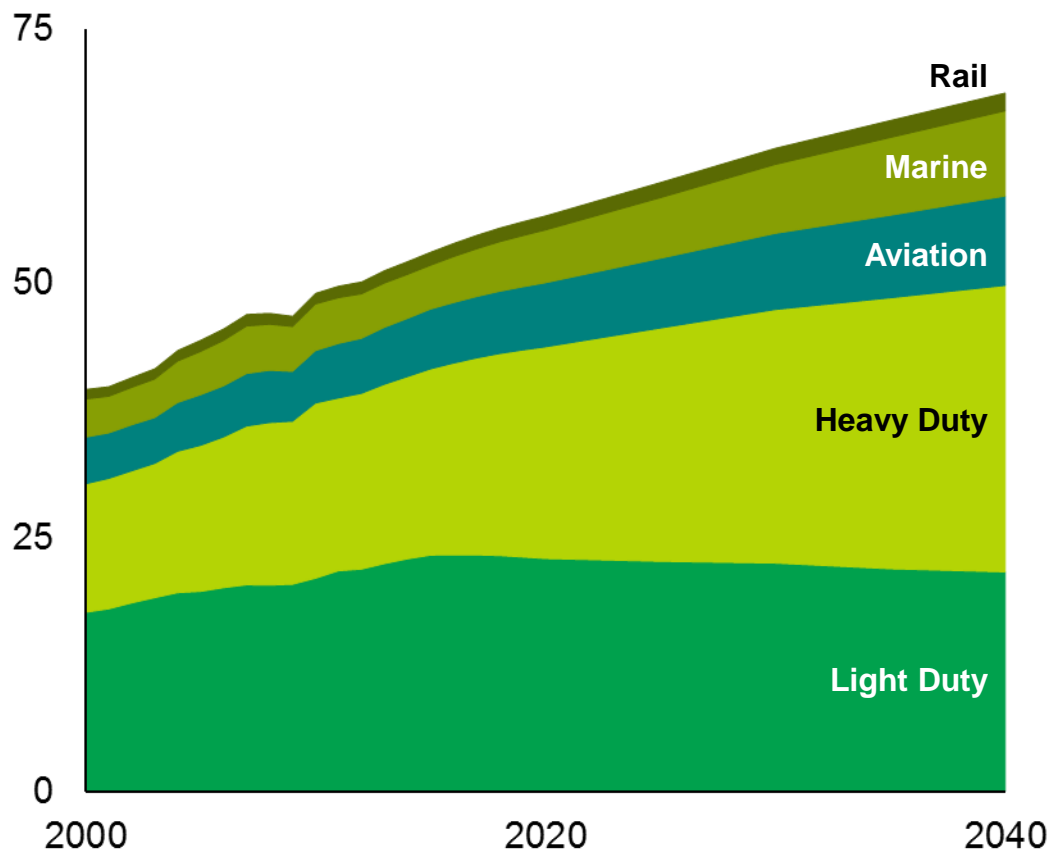
Transportation



Transportation Demand

Sector Demand

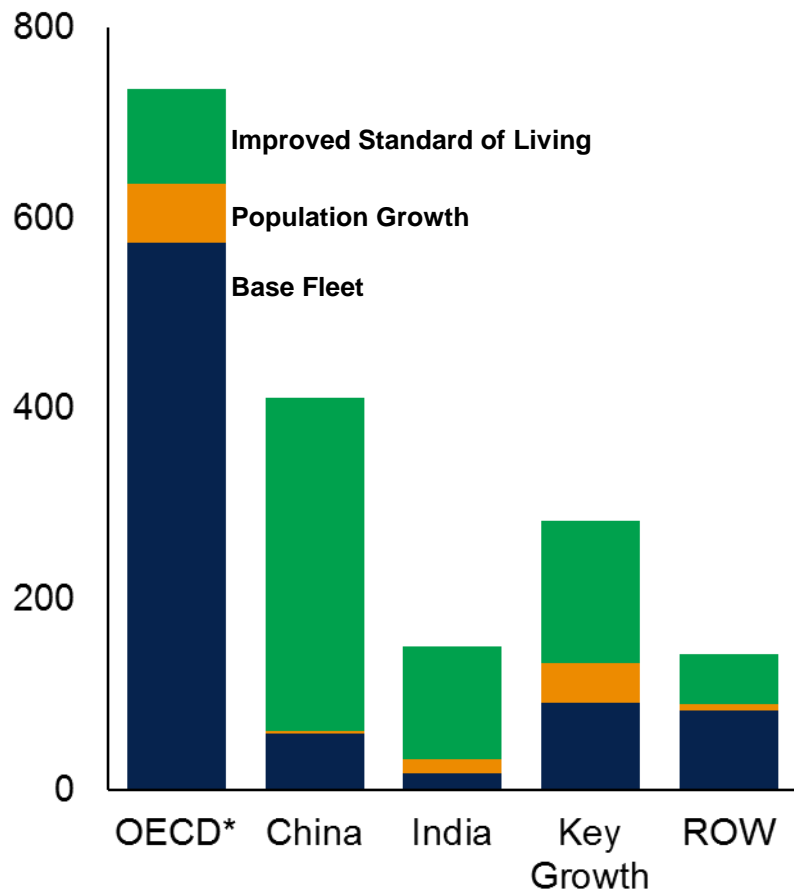
MBDOE



Light Duty Vehicle Fleet and Demand

2040 LDV Fleet

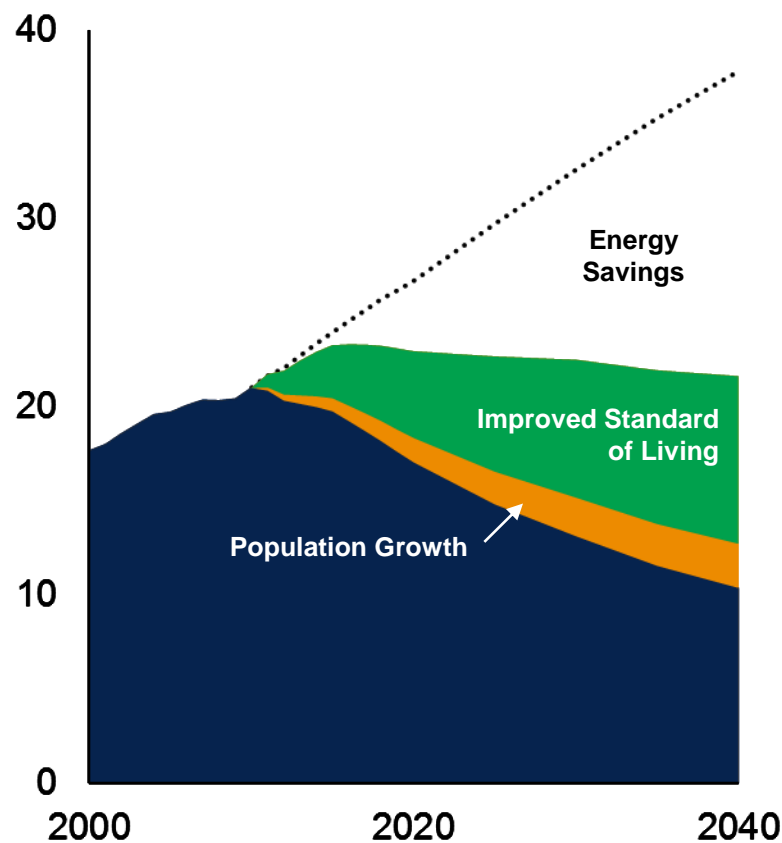
Million



**Mexico and Turkey included in Key Growth countries*

World LDV Demand

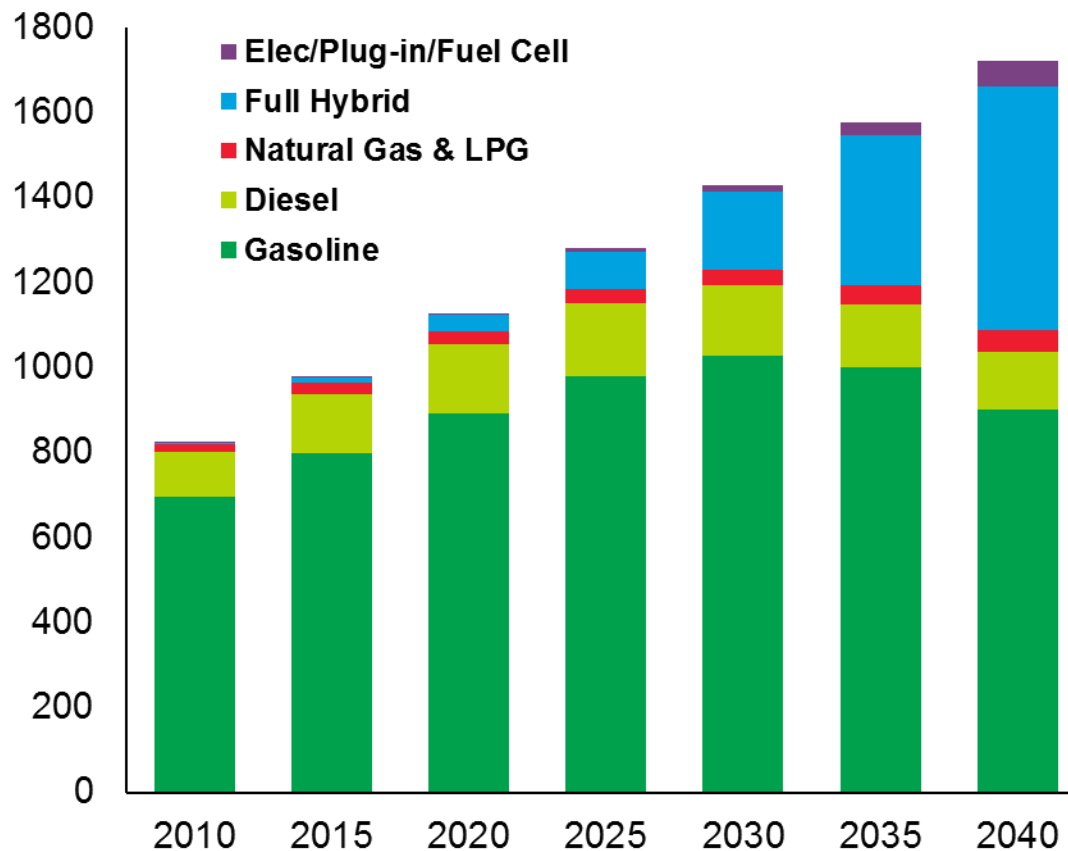
MBDOE



Light Duty Vehicles

Fleet by Type

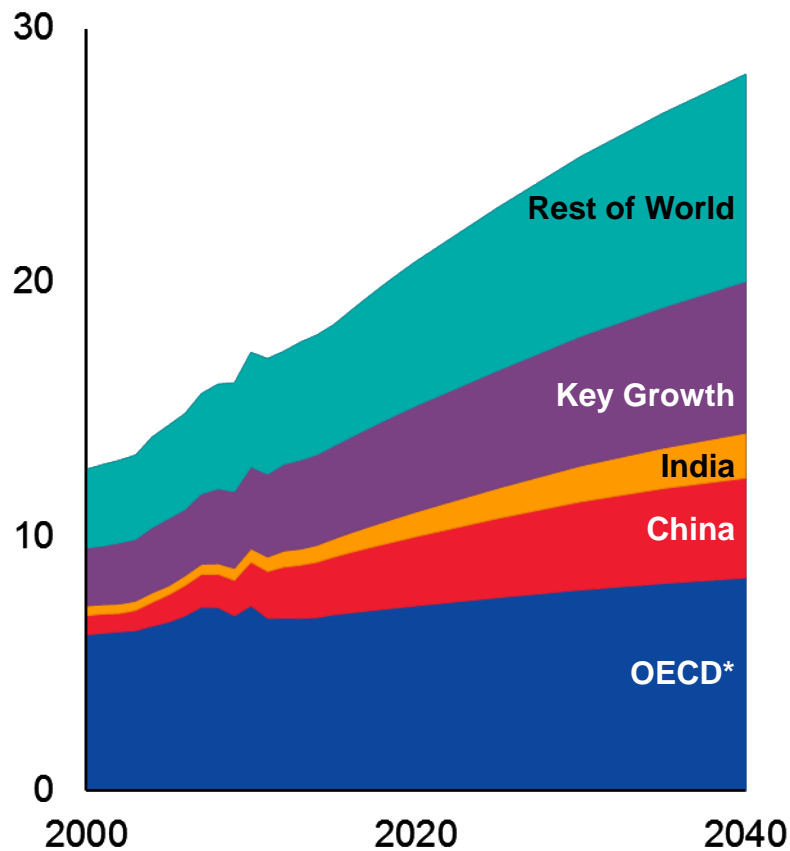
Million



Heavy Duty Transportation

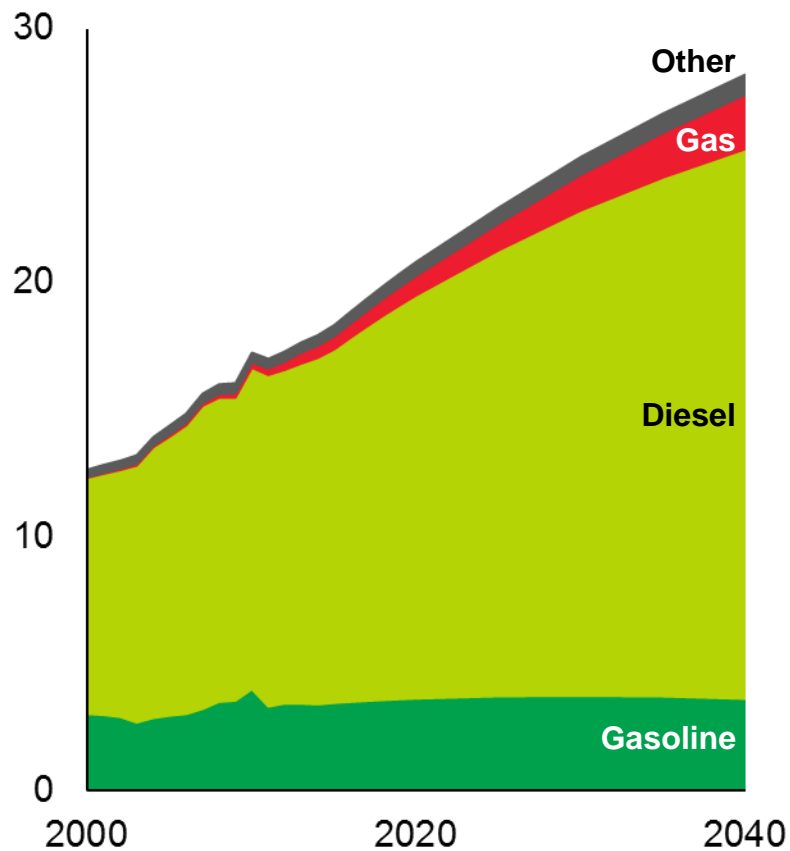
Heavy Duty Demand by Region

MBDOE



Heavy Duty Demand by Fuel

MBDOE



**Mexico and Turkey included in Key Growth countries*

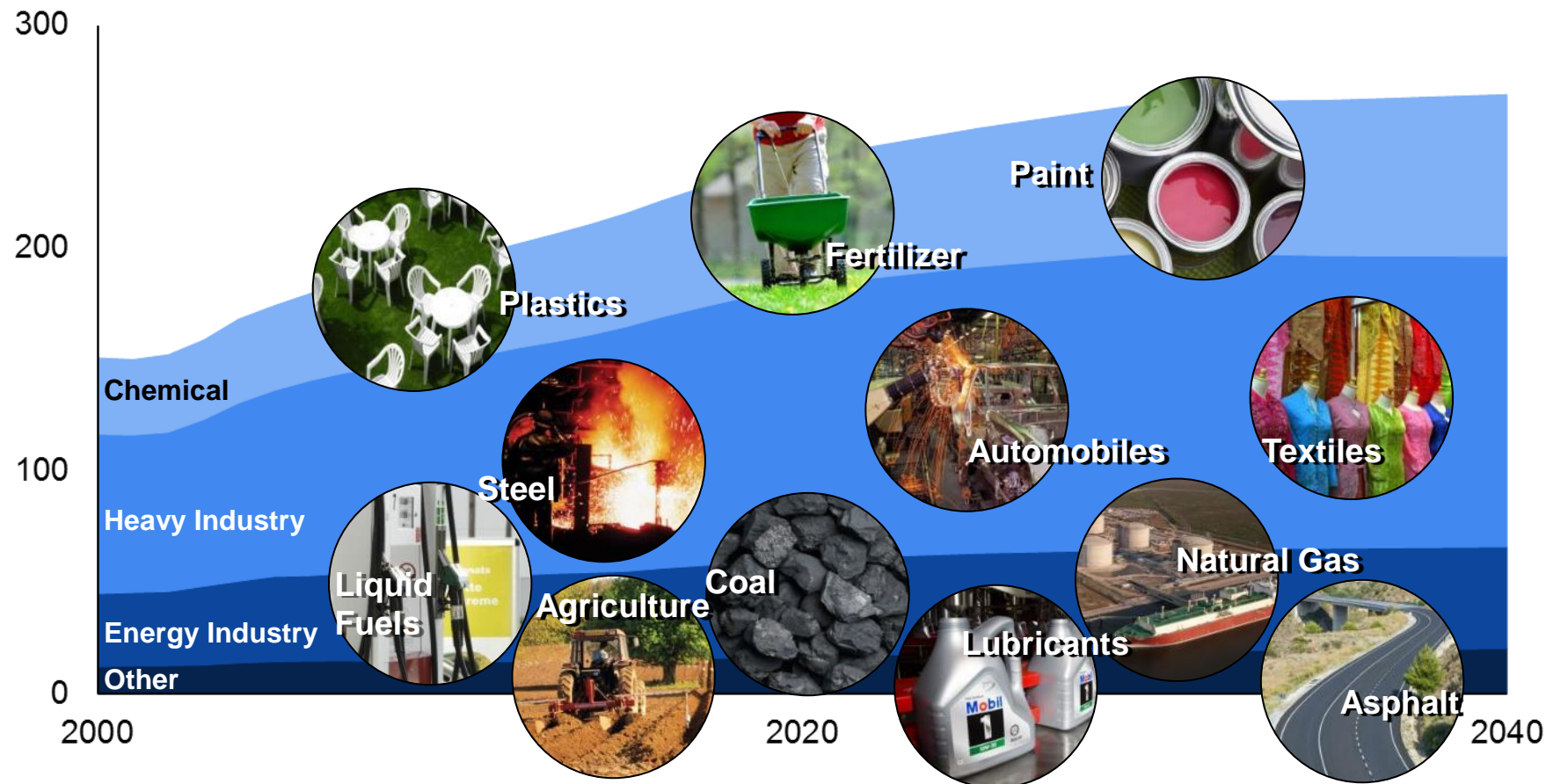
A photograph of an industrial car body assembly line. Two car chassis are visible, one above the other, both in a light blue-grey paint. They are suspended by yellow overhead cranes. To the right, a large orange robotic arm is visible, with a black flexible hose attached to it. The background is filled with various industrial components, including green structural beams and yellow machinery. The word "Industrial" is overlaid in white text on the left side of the image.

Industrial

Industrial Demand

Industrial Demand by Sector

Quadrillion BTUs



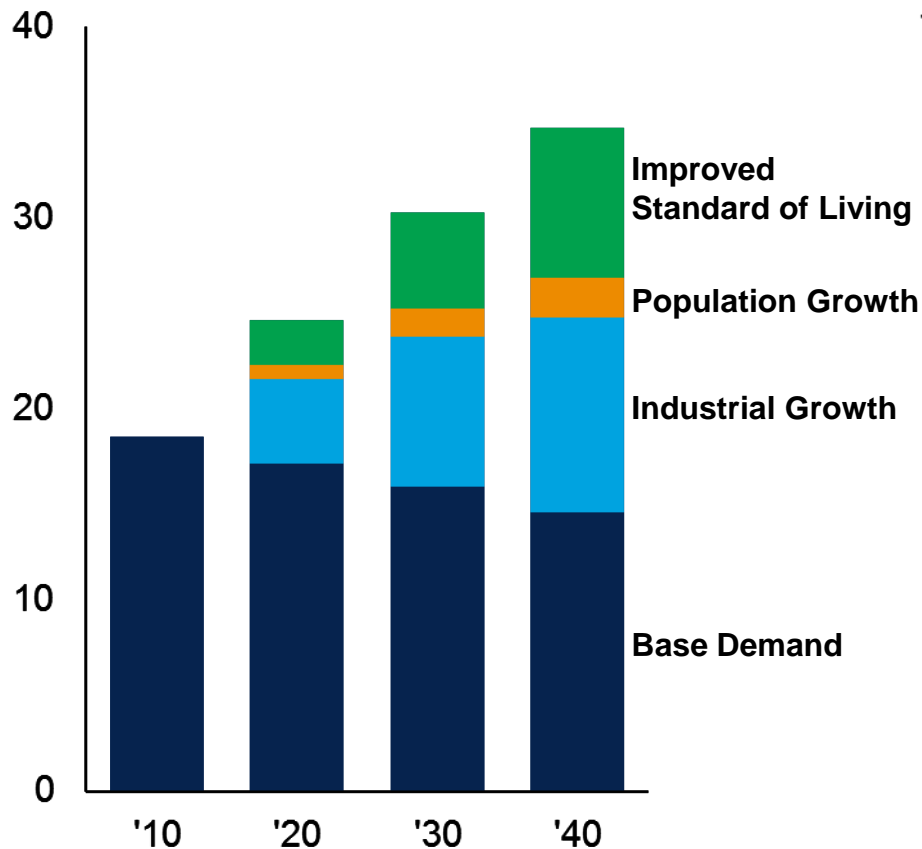
Electricity Generation



Electricity Demand

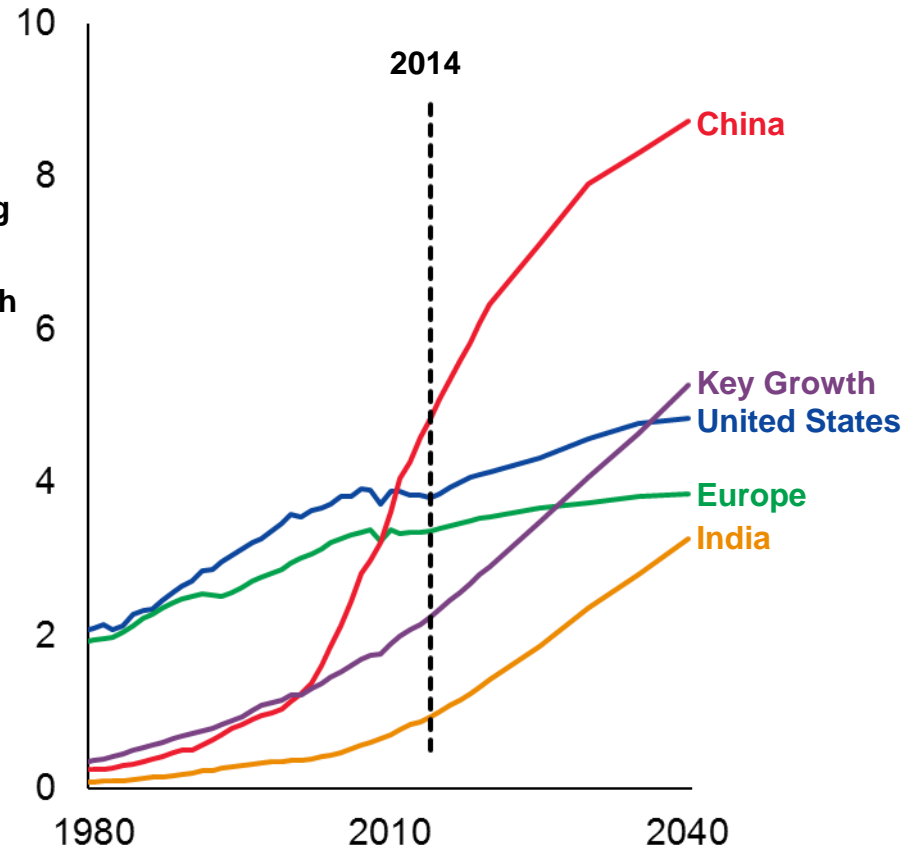
Electricity Demand

Thousand TWh

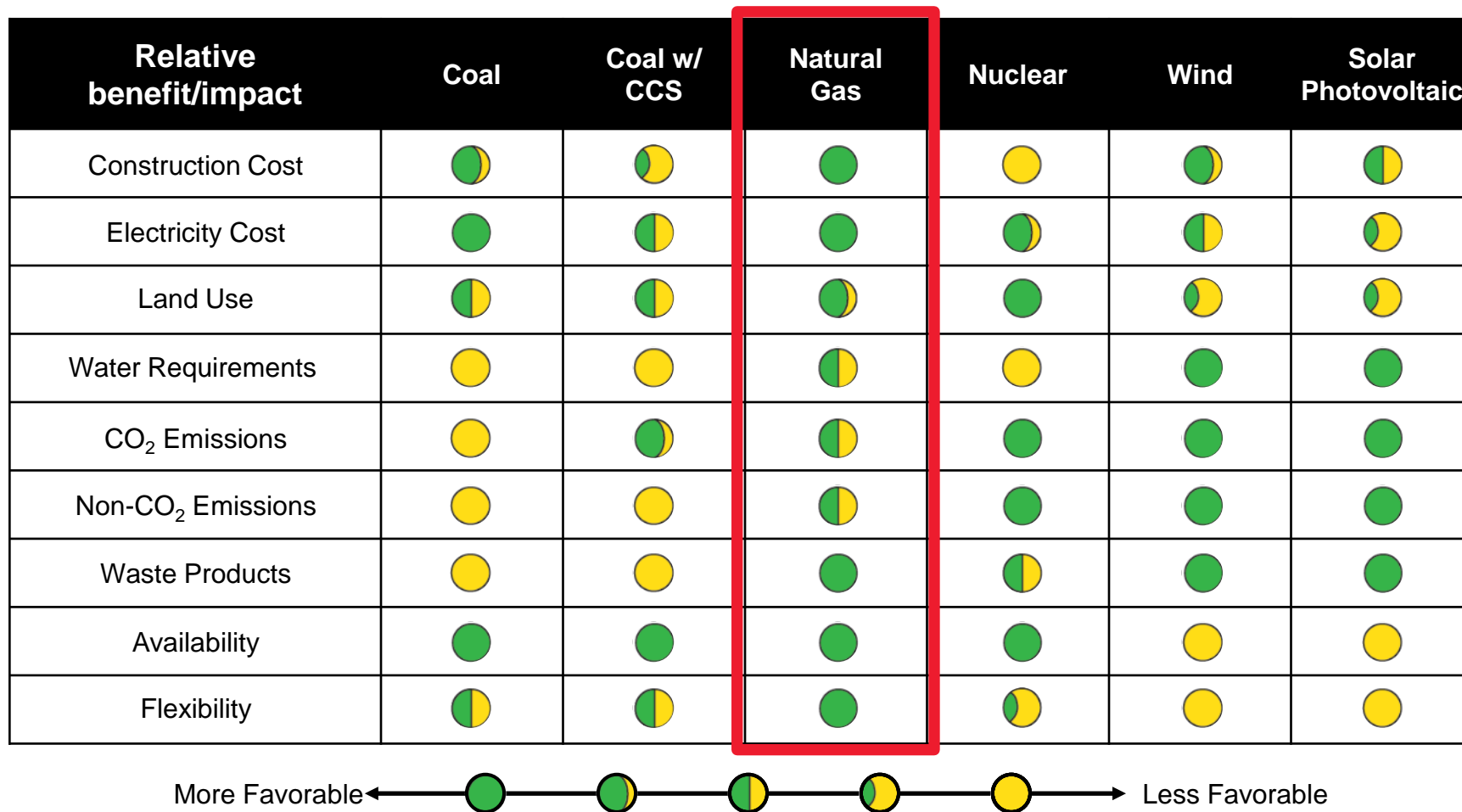


Electricity Demand by Region

Thousand TWh



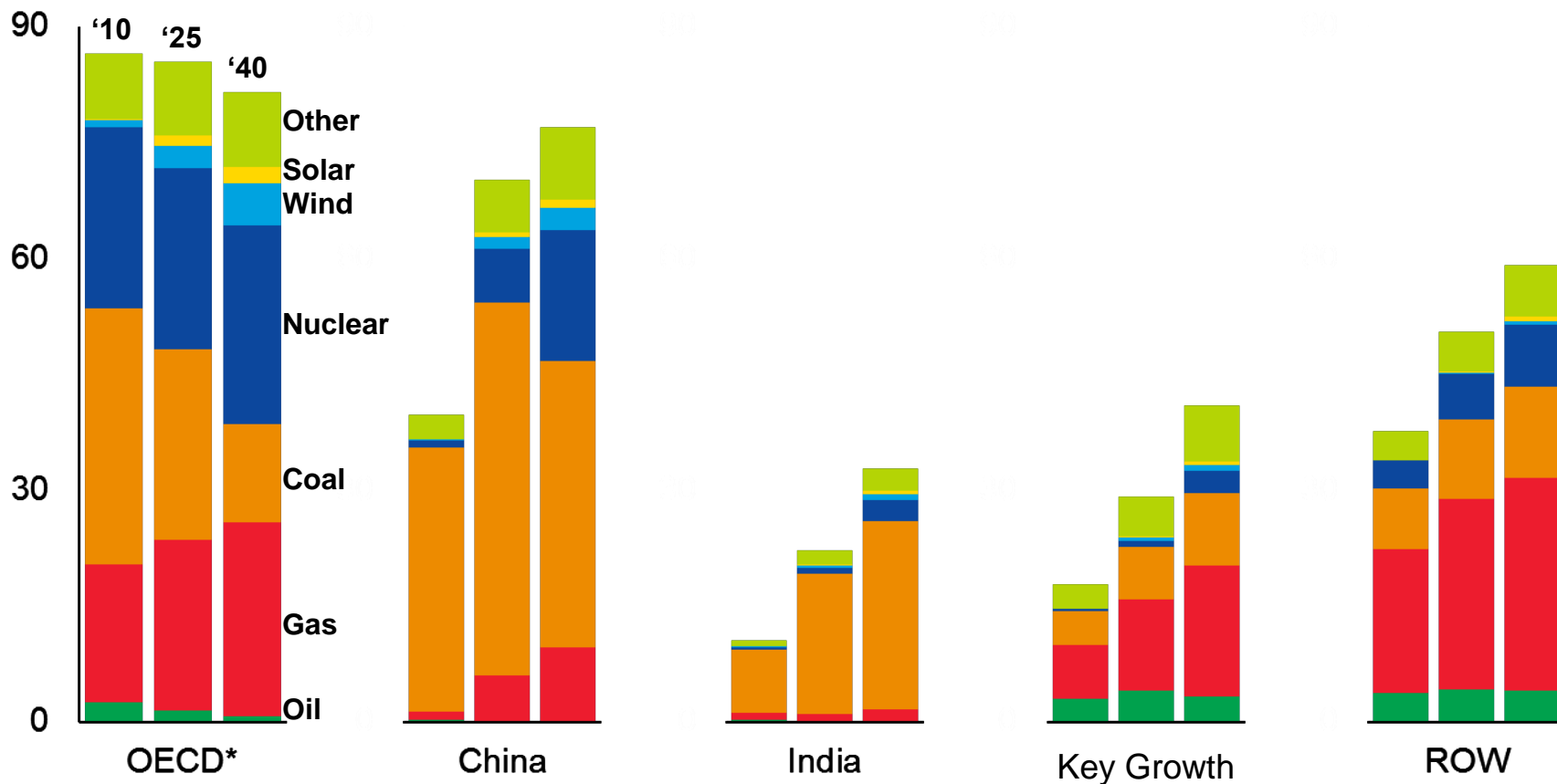
Fuel Choices for Power Generation



Source: EPRI, Generation Technology Assessment

Electricity Generation Fuel by Region

Quadrillion BTUs

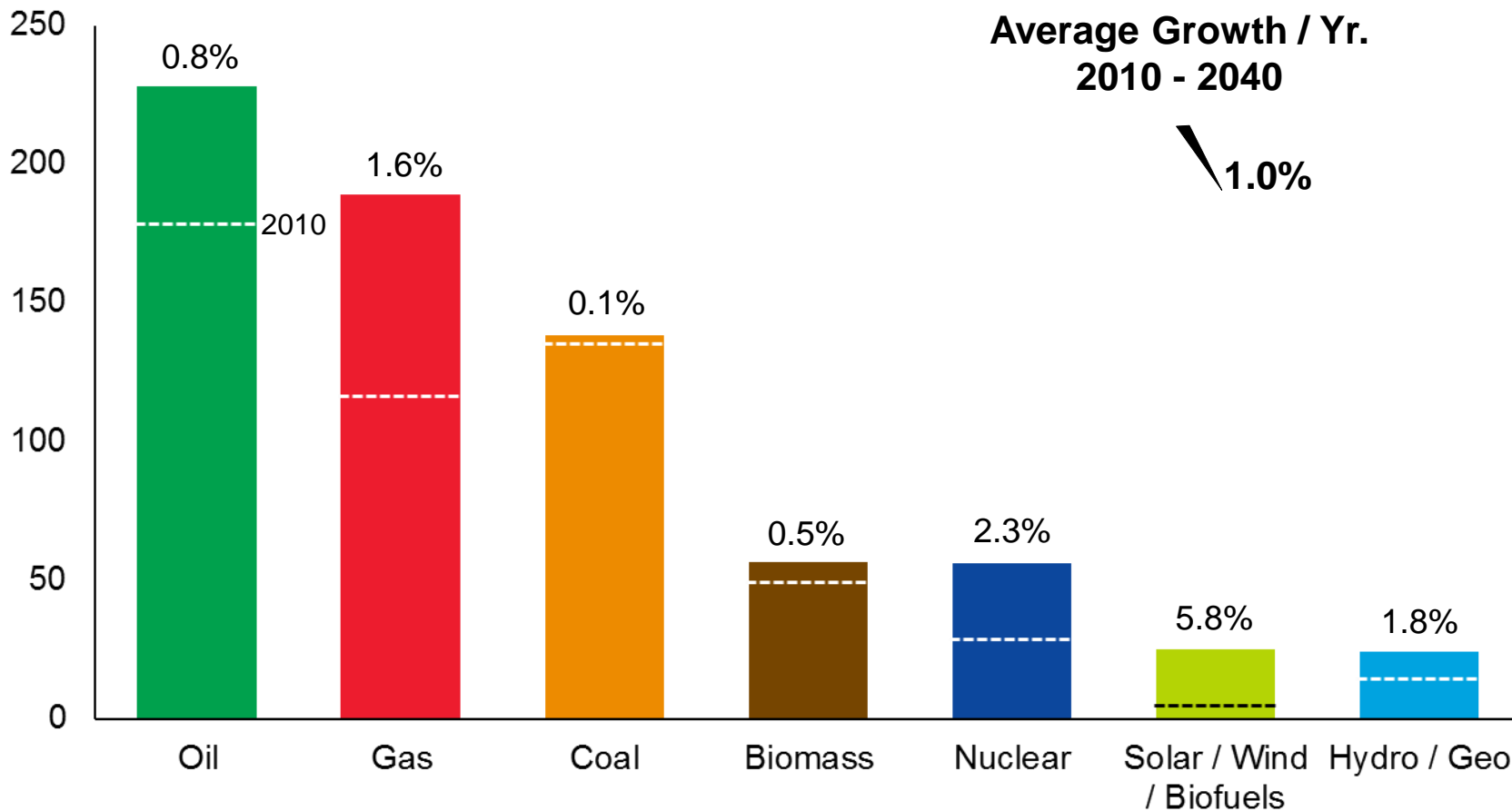


*Mexico and Turkey included in Key Growth countries

Global Demand

2040 By Fuel

Quadrillion BTUs



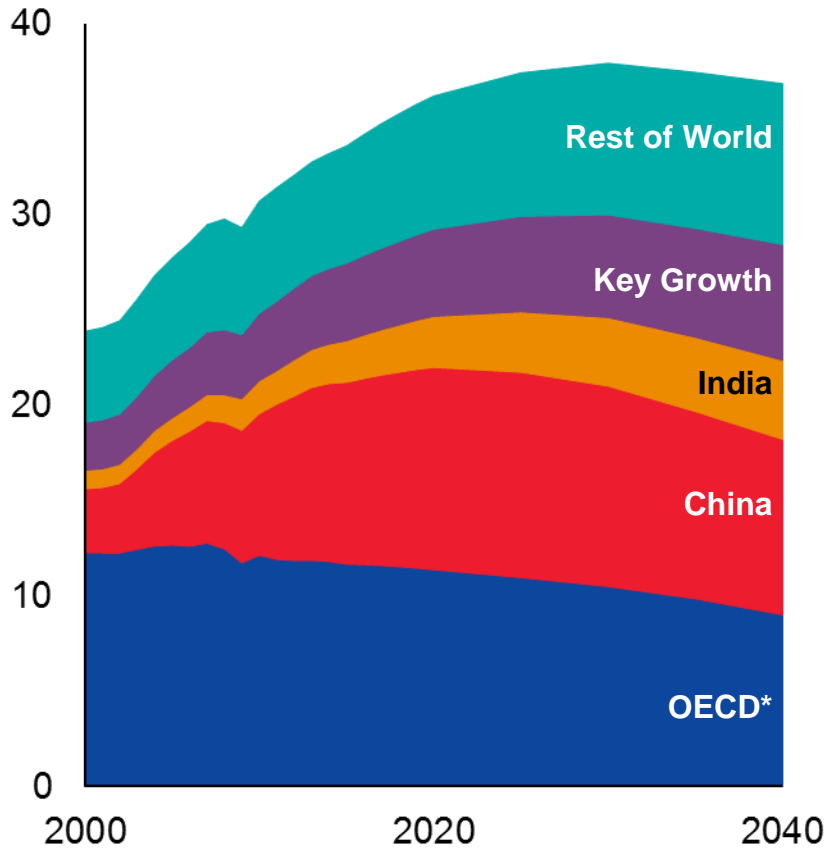
CO₂ Emissions



World Emissions

CO₂ Emissions by Region

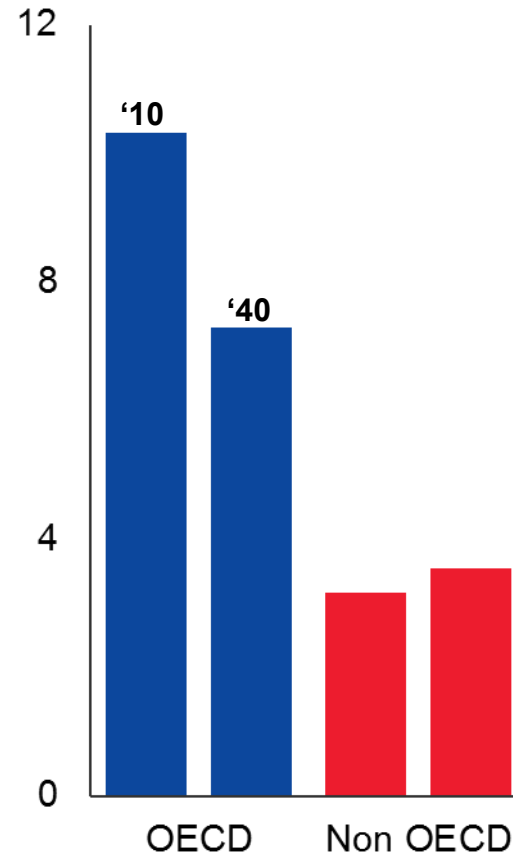
Billion metric tonnes



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Emissions per Capita

Tonnes / Person



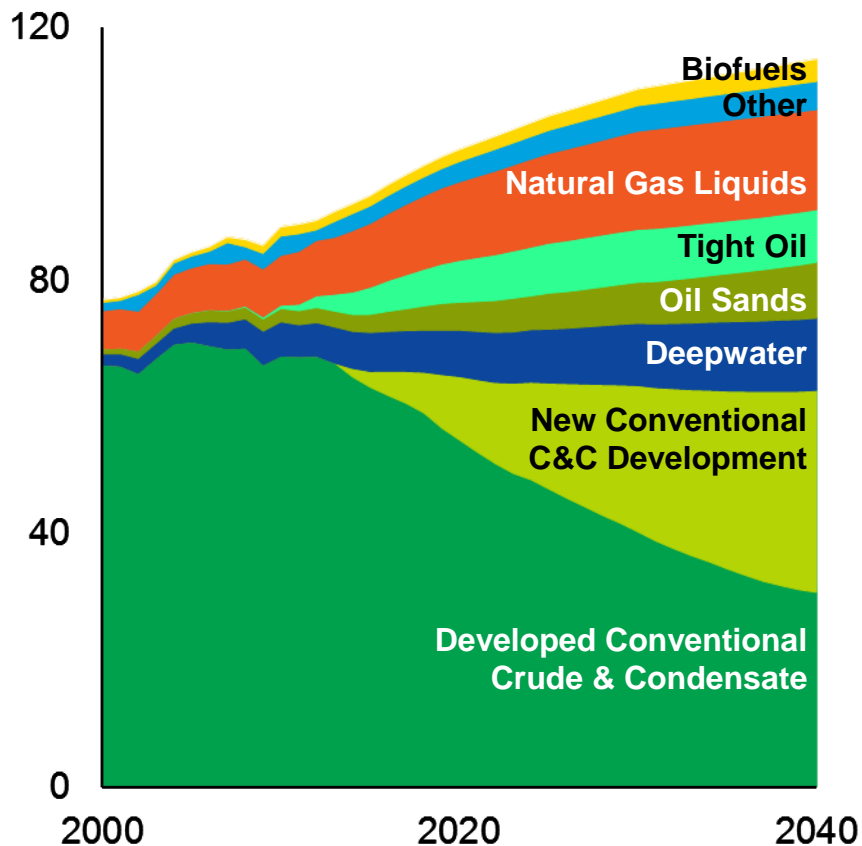
A tall drilling rig stands on a snow-covered mountain slope at dusk. The rig is illuminated with bright lights, and its base features the 'PACEX' logo. The surrounding landscape is rugged and covered in snow, with dark evergreen trees scattered across the slopes. In the background, more snow-capped mountains are visible under a cloudy sky with a hint of sunset light. To the right of the rig, there are several small, dark structures, possibly storage containers or small buildings.

Supply

Liquids Supply

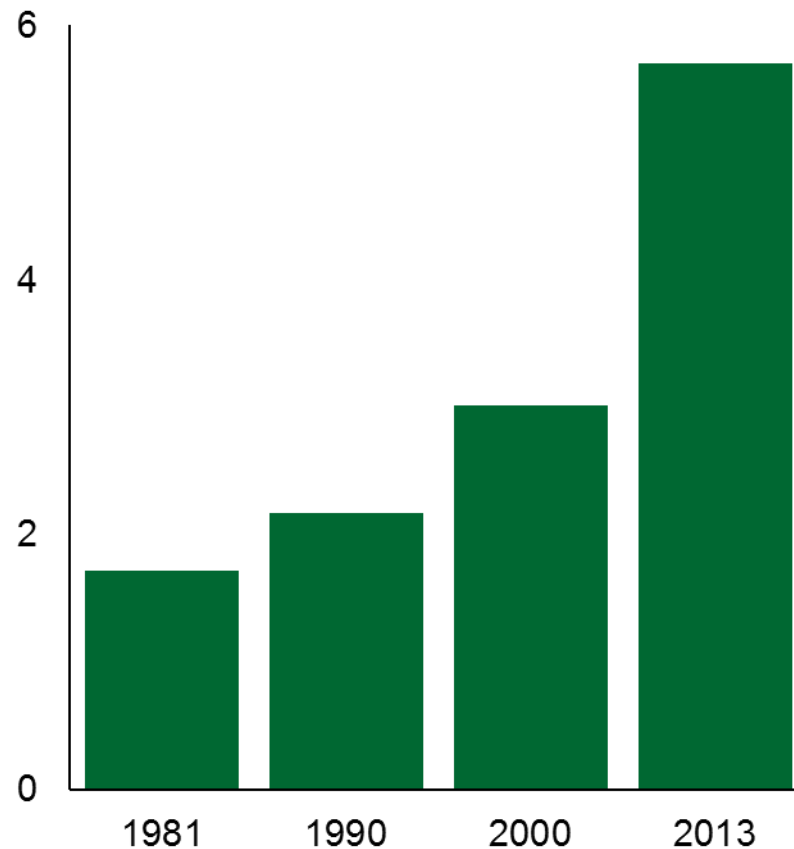
World Supply by Type

MBDOE



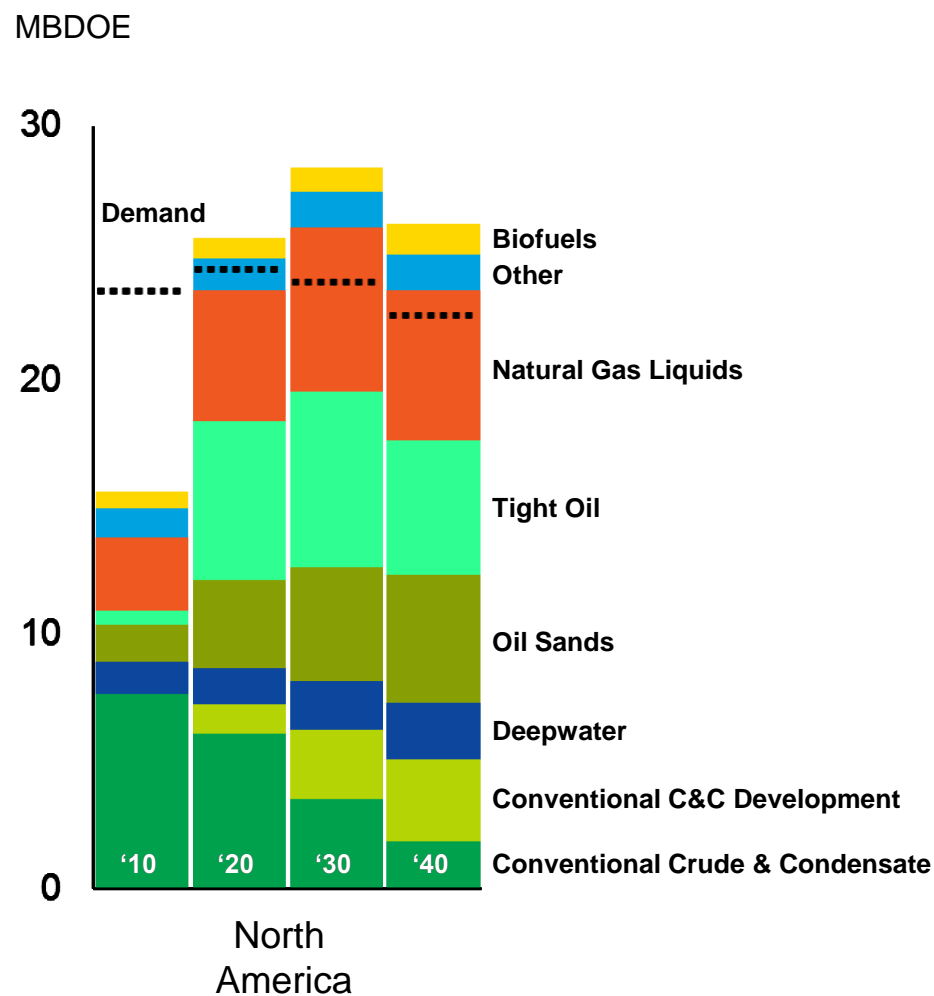
Crude & Condensate Resource Estimates

Trillion Barrels

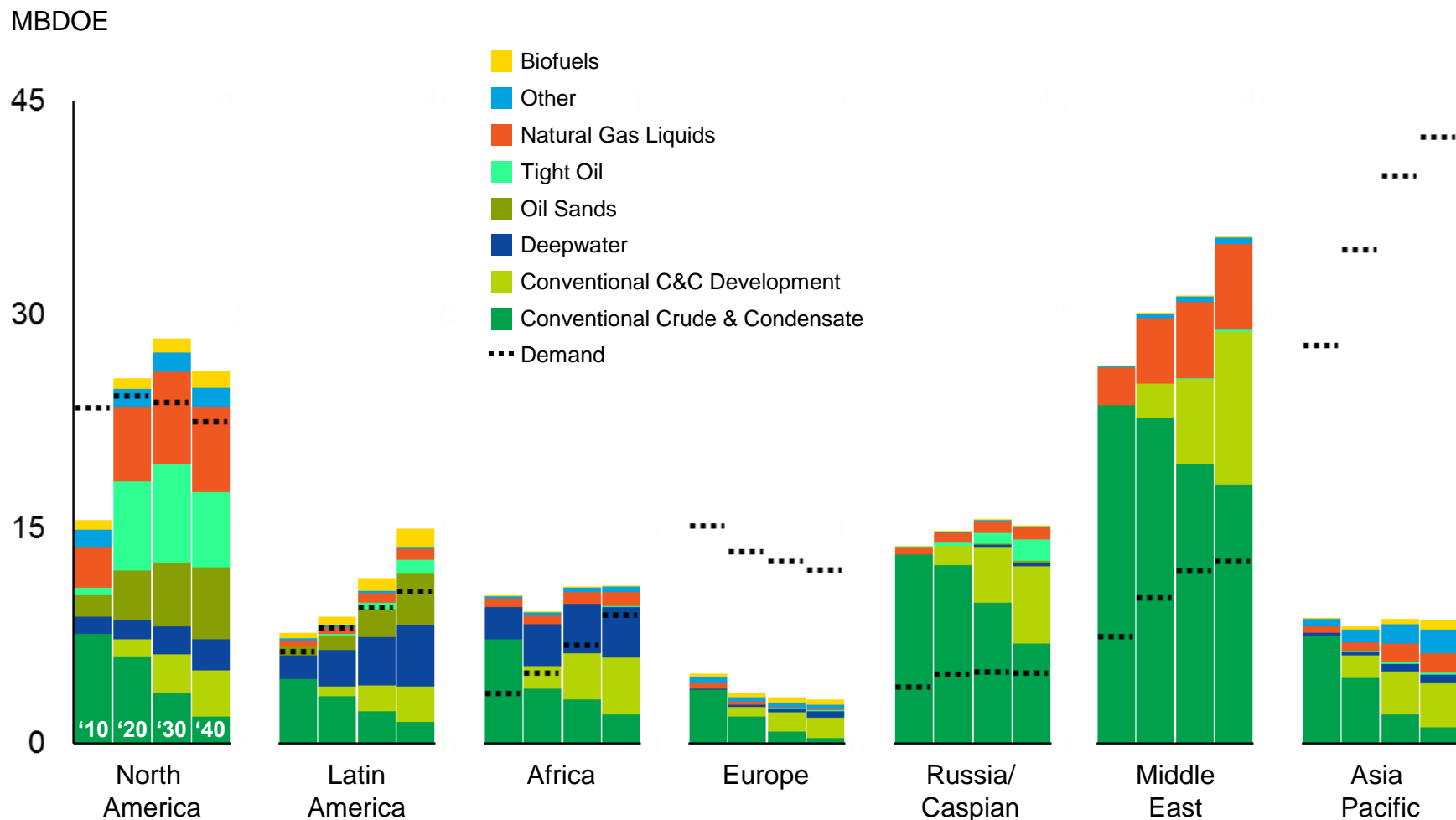


Source: USGS and IEA historical estimates

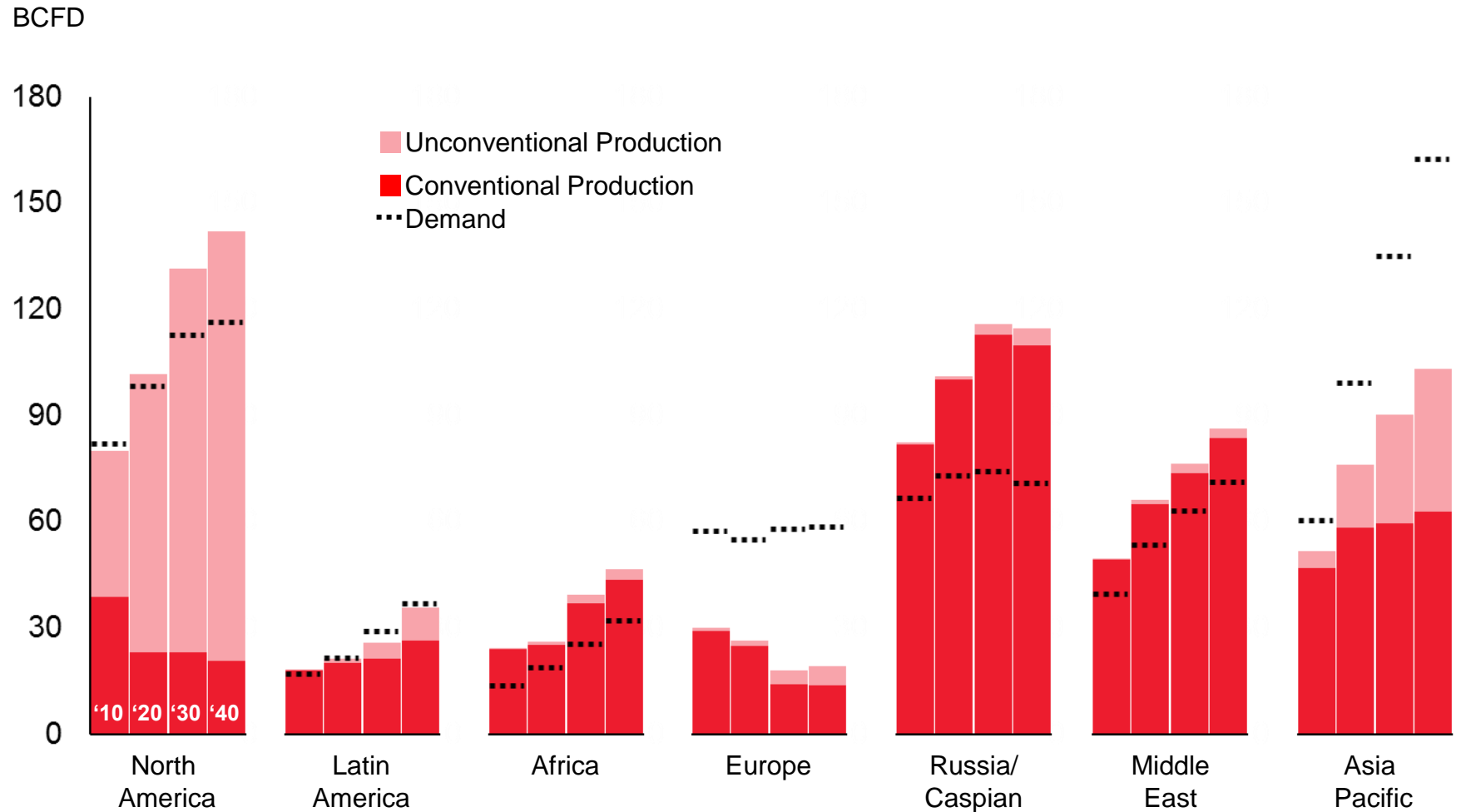
Liquids Trade Balance by Region



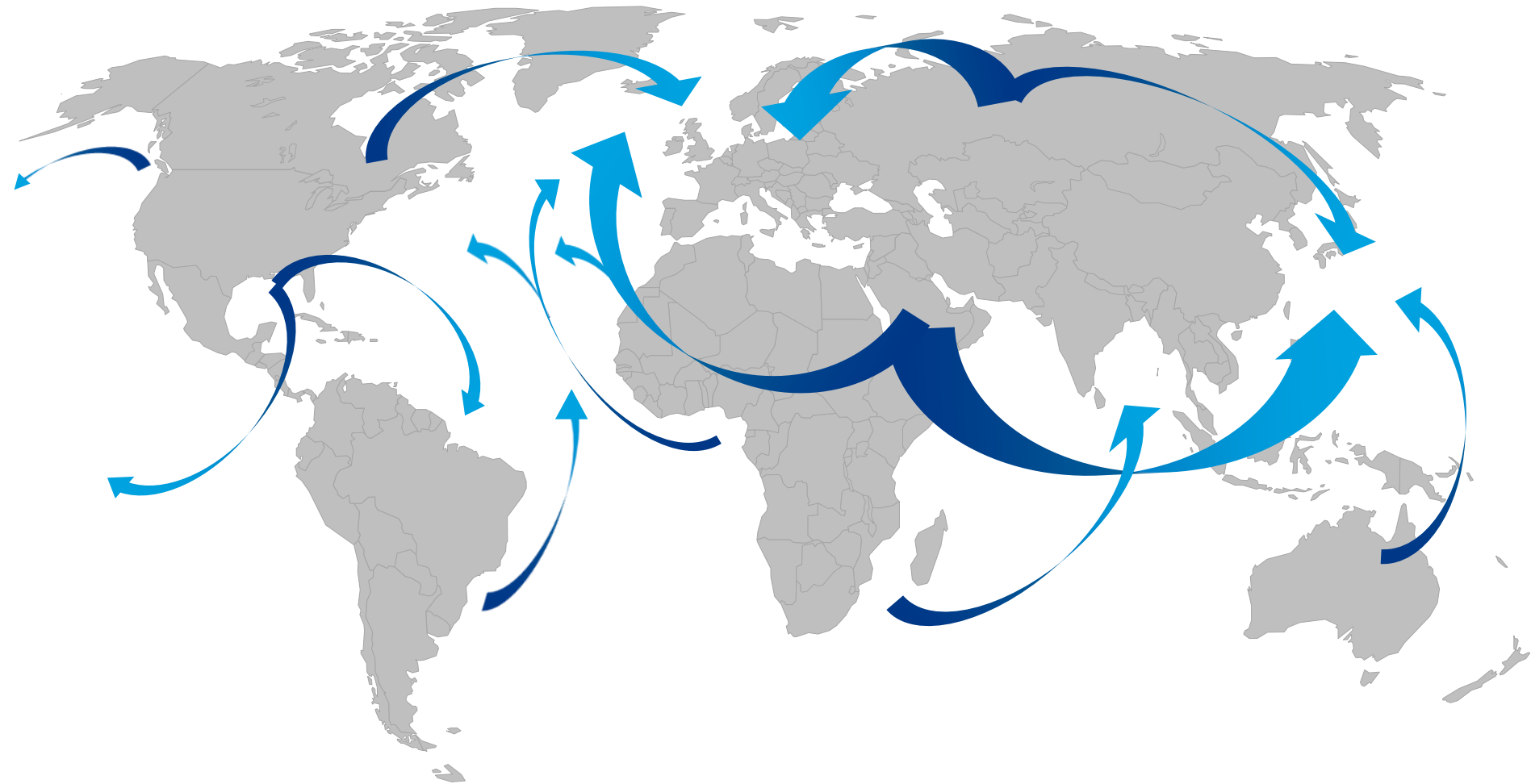
Liquids Trade Balance by Region



Gas Trade Balance by Region



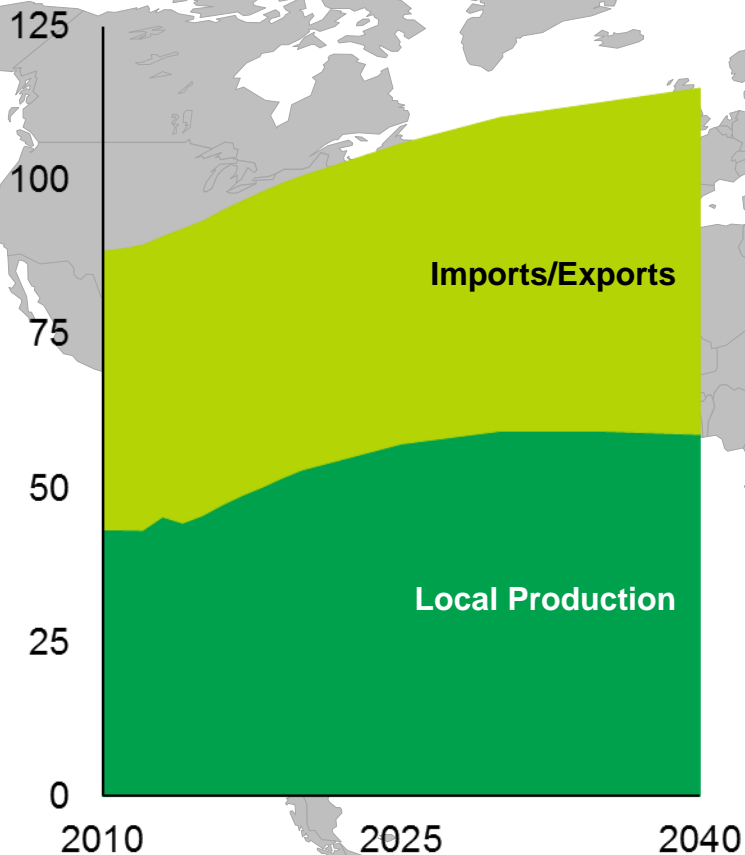
Energy Trade



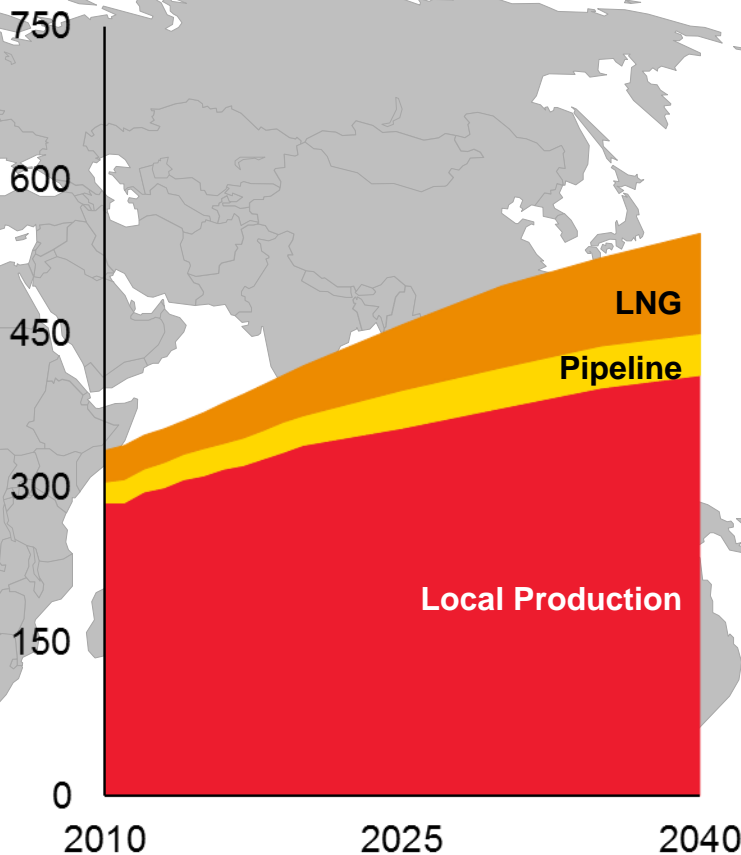
Indicative trade flows

Energy Trade

Liquids Demand
MBDOE



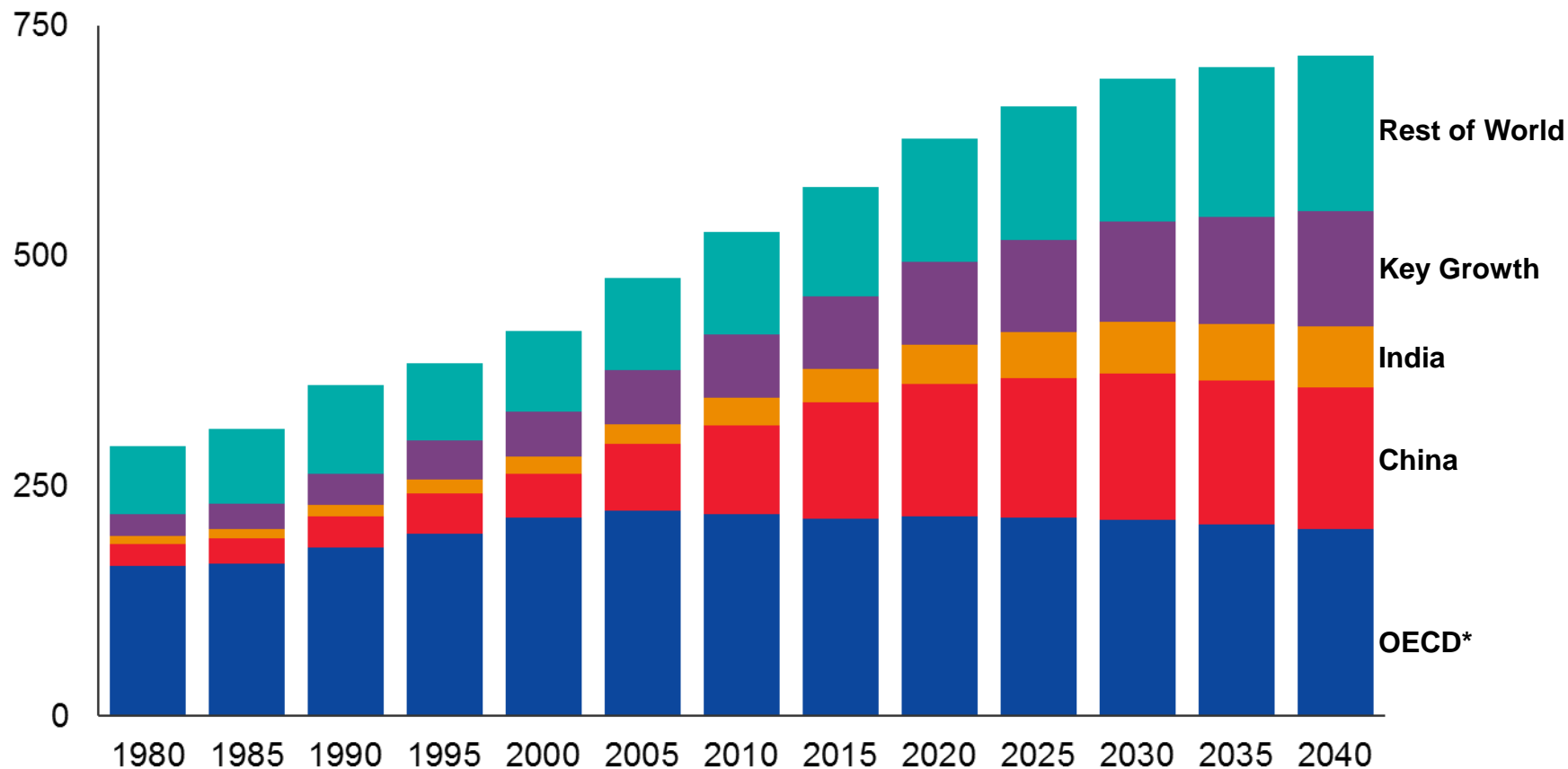
Gas Demand
BCFD



Developing Economies Dominate Growth

Demand by Region

Quadrillion BTUs

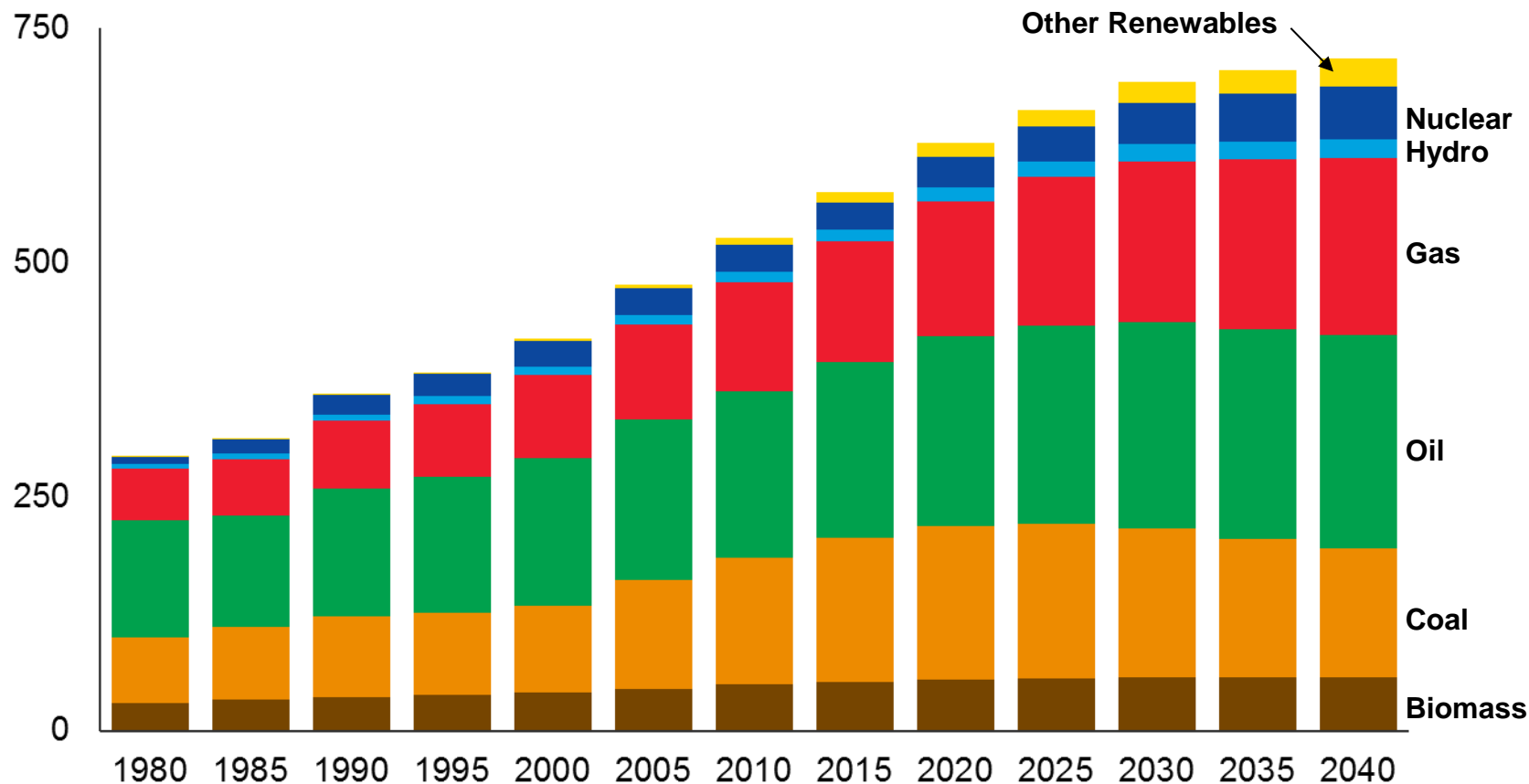


**Mexico and Turkey included in Key Growth countries*

Energy Use Evolves Over Time

Demand by Fuel

Quadrillion BTUs



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2015

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