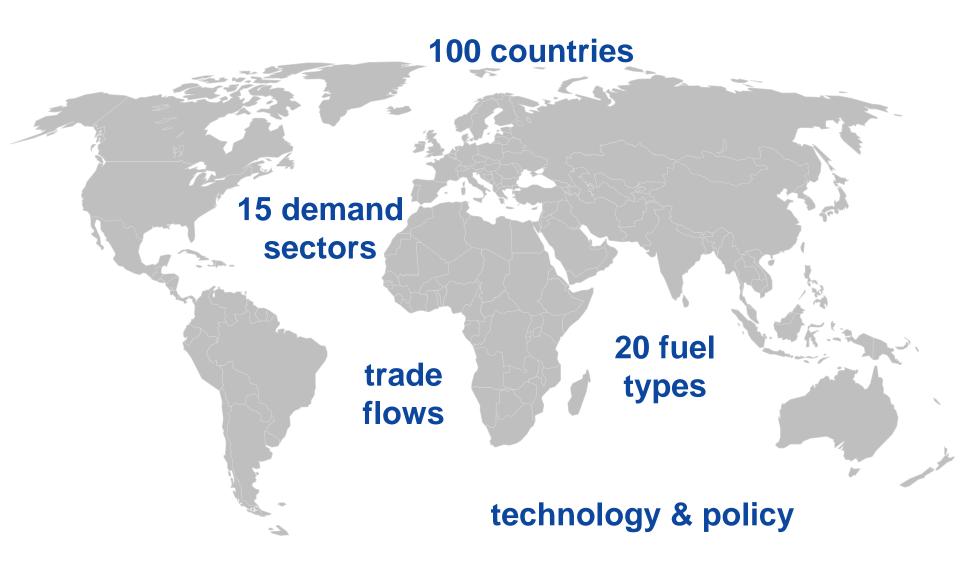


Energy Outlook Development



Key Energy Outlook Themes



Energy is fundamental to standards of living.



Developing nations lead gains in GDP and living standards.



Economics and **policies** impact the fuel mix.



Oil remains the world's primary fuel through 2040.

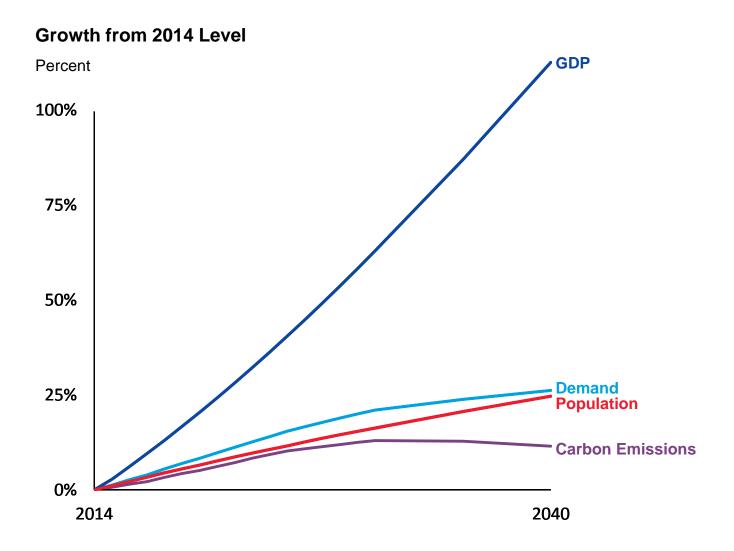


Natural gas grows more than any other energy source.



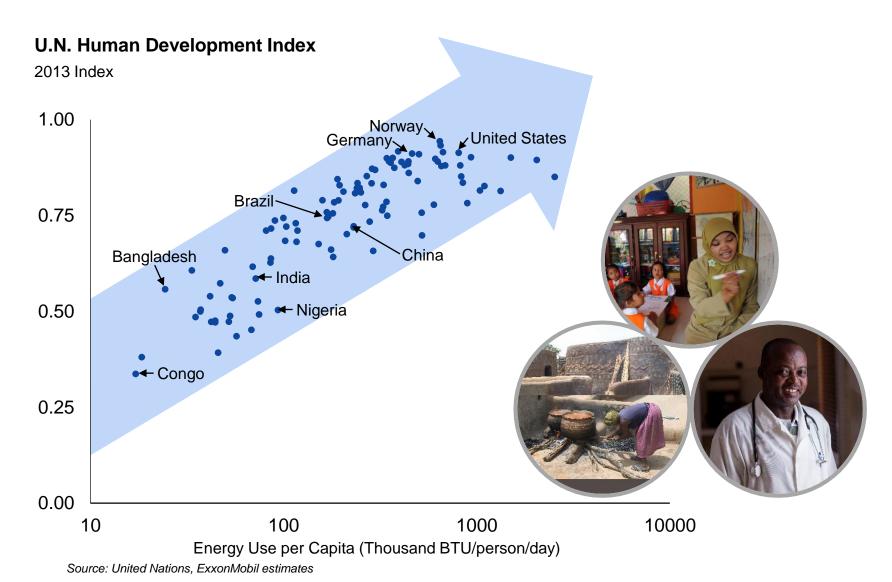
Technology has the highest potential and greatest uncertainty.

Global Trends Continue to Evolve



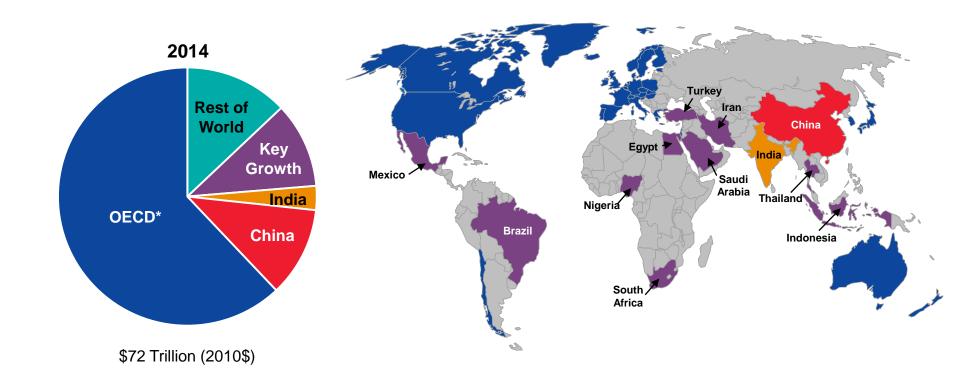


Energy Fuels Human Development





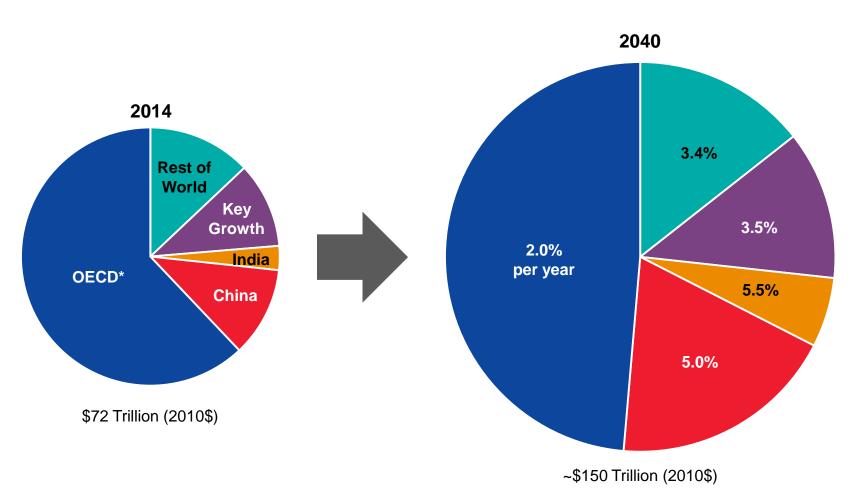
Global GDP Shifts Toward Developing Nations



*Mexico and Turkey included in Key Growth countries



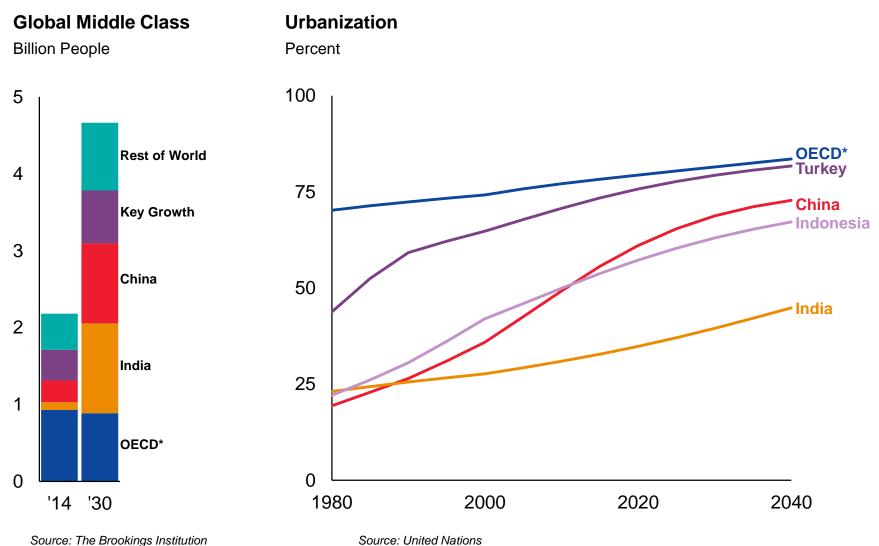
Global GDP Shifts Toward Developing Nations

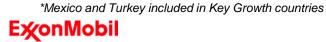


*Mexico and Turkey included in Key Growth countries



Middle Class and Urbanization Increase

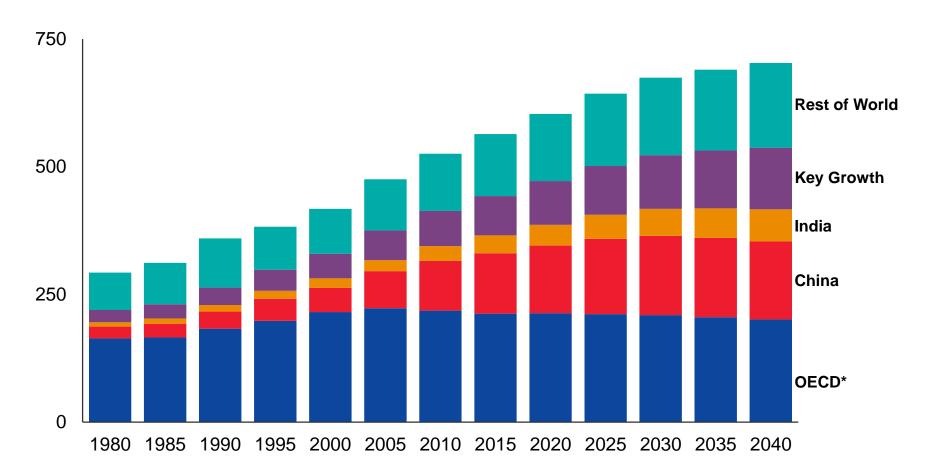




Developing Economies Dominate Growth

Demand by Region

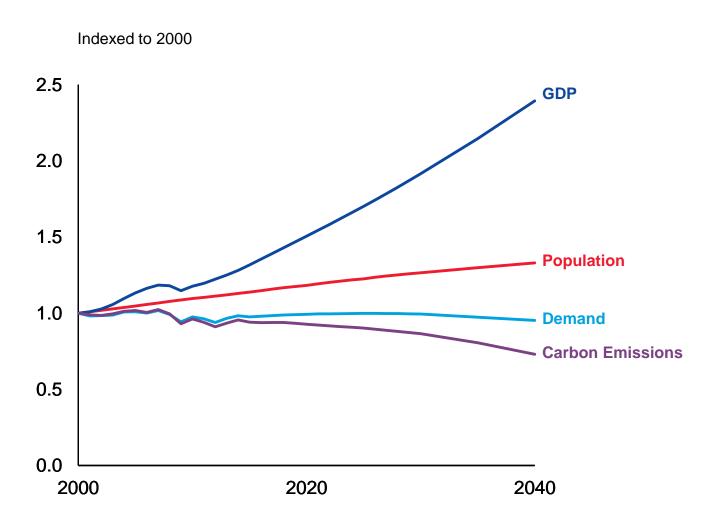
Quadrillion BTUs



*Mexico and Turkey included in Key Growth countries



United States Energy Trends

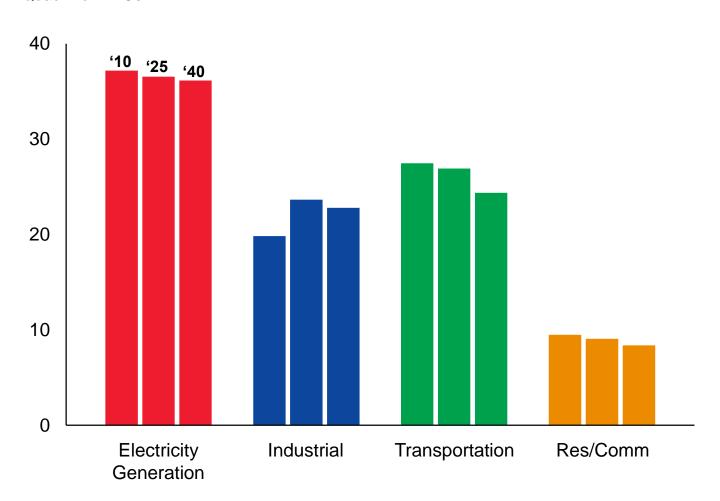




United States Energy Demand

Primary Energy Demand by Sector

Quadrillion BTUs

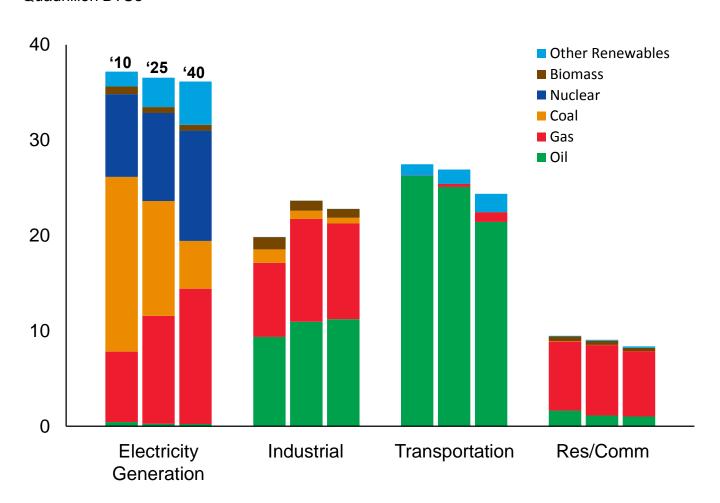




United States Energy Demand

Primary Energy Demand by Sector

Quadrillion BTUs

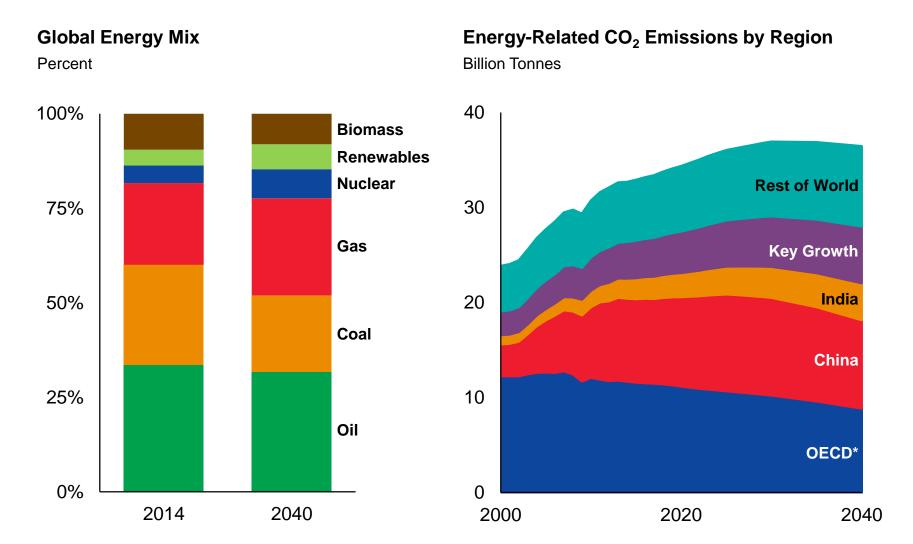






Economics and **policies** impact the fuel mix.

Energy Mix Shifts to Lower-Carbon Fuels



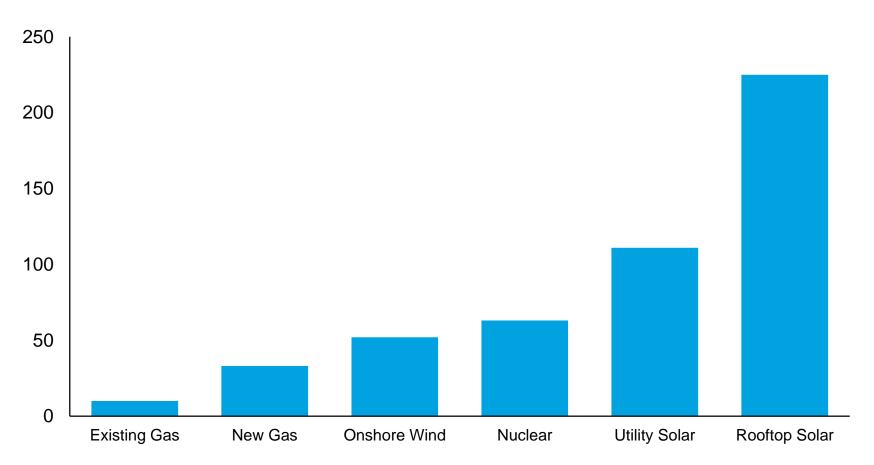
*Mexico and Turkey included in Key Growth countries



Managing Climate Risk

U.S. Average CO₂ Abatement Costs vs. Existing Coal

Dollars per tonne



Wind and solar exclude full costs for integration and intermittency



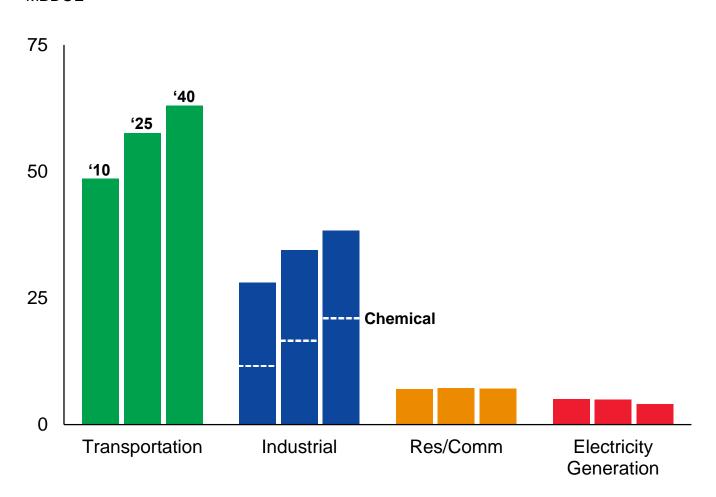


Oil remains the world's primary fuel through 2040.

Transportation and Chemicals Drive Growth

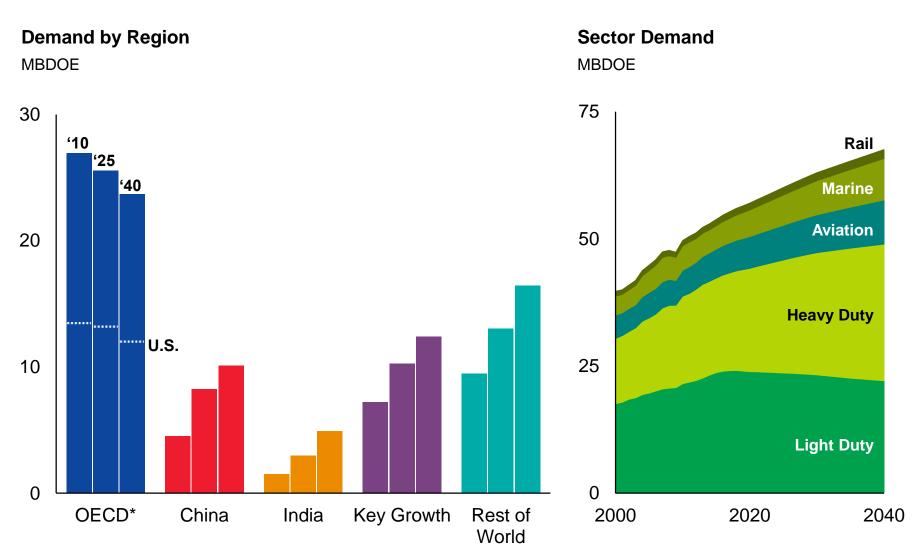
Liquids Demand by Sector

MBDOE





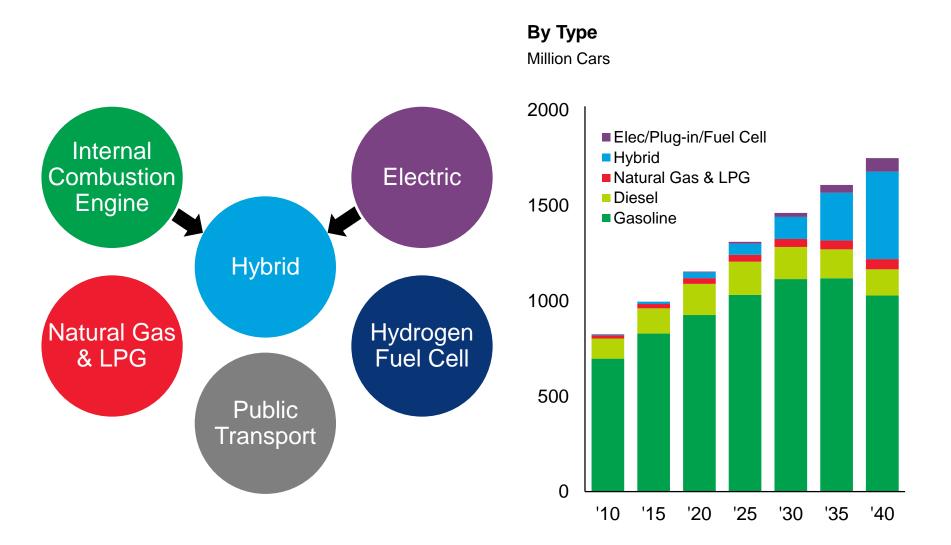
Transportation Demand



*Mexico and Turkey included in Key Growth countries



Global Vehicle Fleet

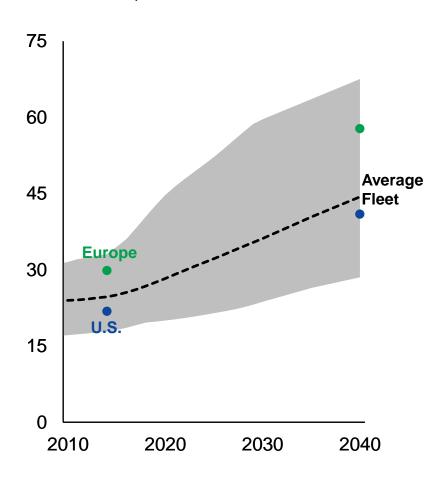




Light Duty Vehicle Efficiency

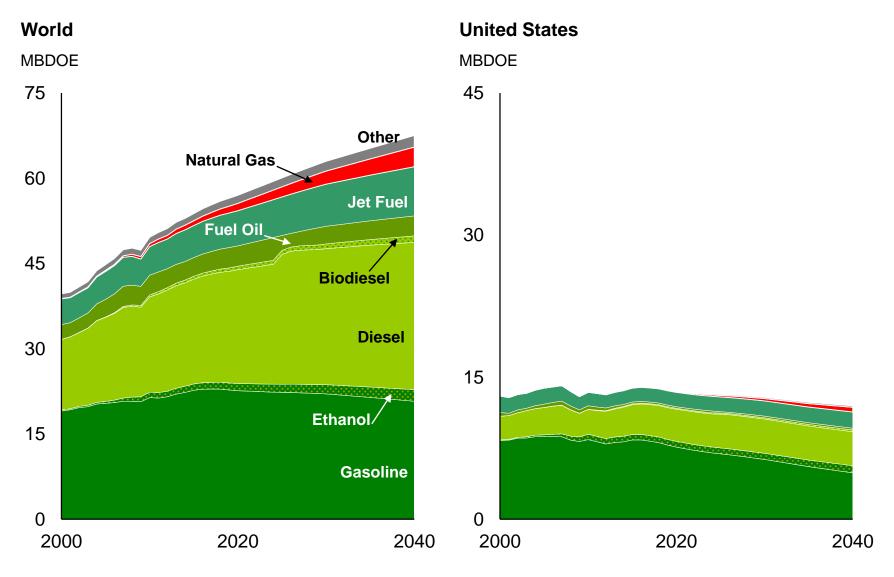
Average Vehicle Efficiency

On-Road Miles per Gallon



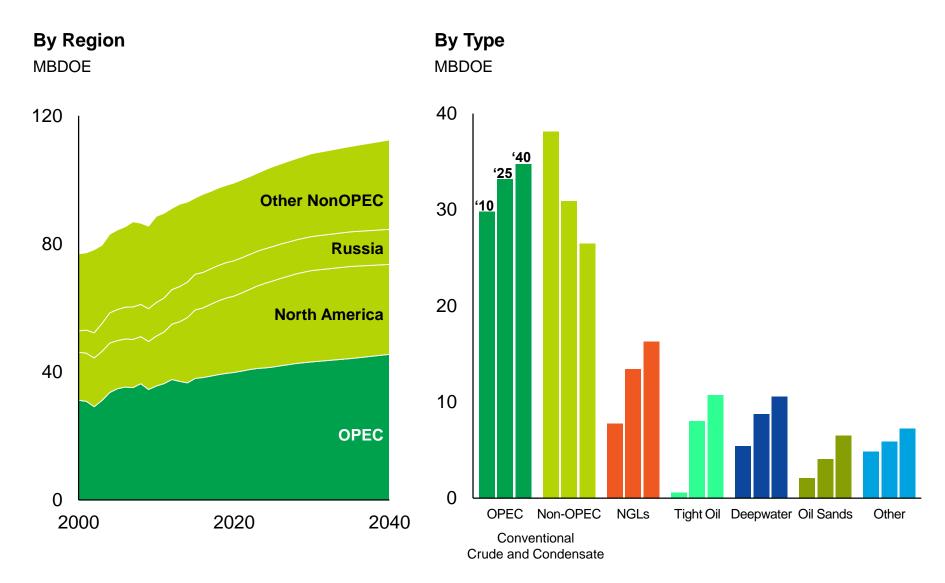


Transportation Fuel Demand



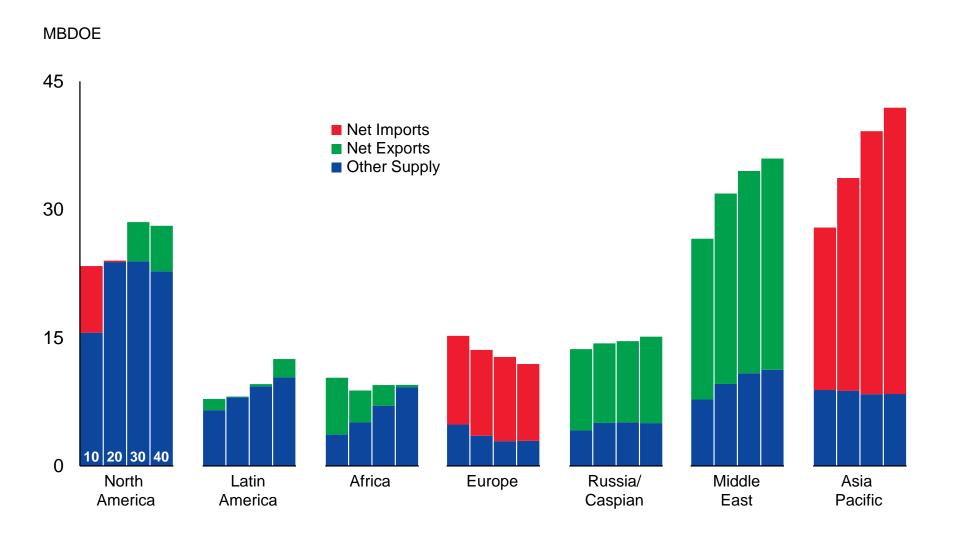
Supply

Liquids Production





Liquids Trade Balance by Region







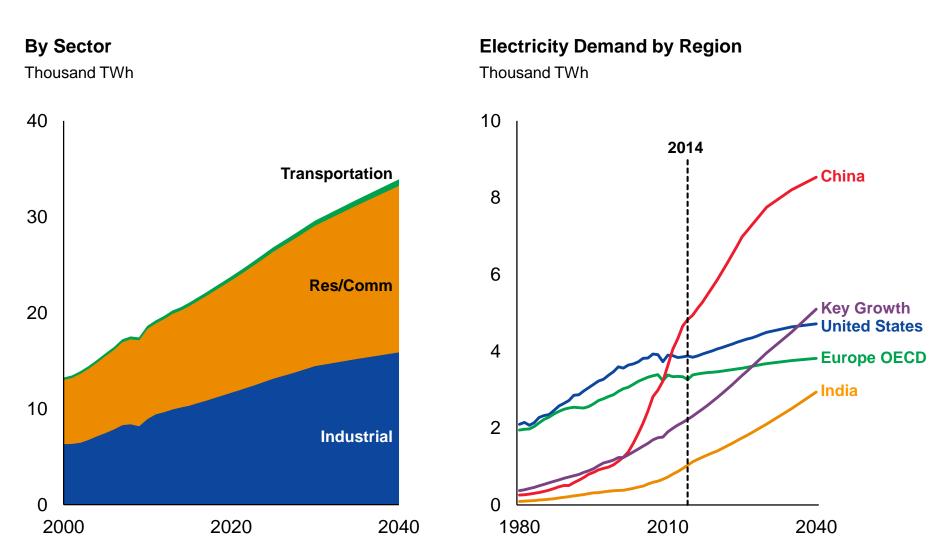
Natural gas grows more than any other energy source.

Gas Demand Grows in All Sectors

Gas Demand by Sector BCFD 250 **'40** 200 **'25** 150 **'10** 100 50 0 Res/Comm Electricity Industrial Transportation Generation

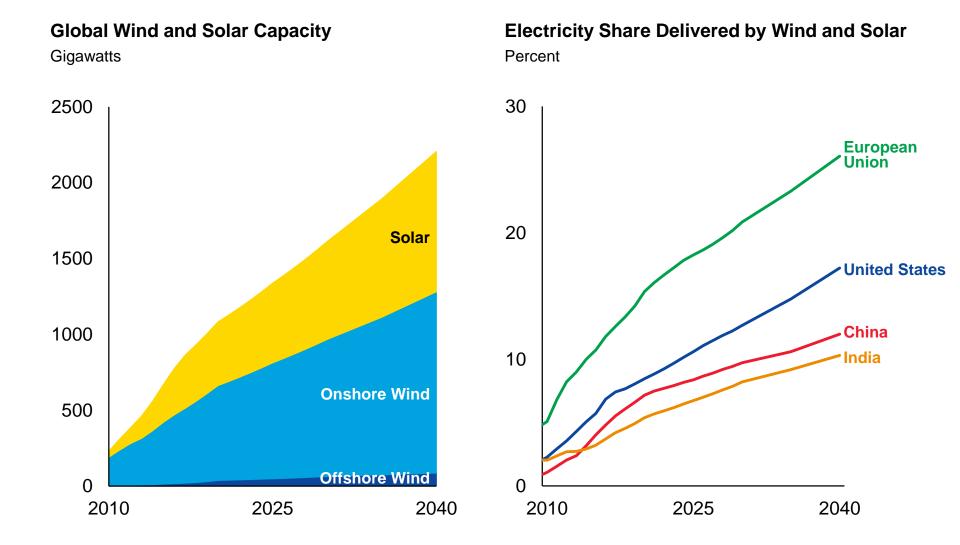


Electricity Demand Continues to Surge





Wind and Solar Demand

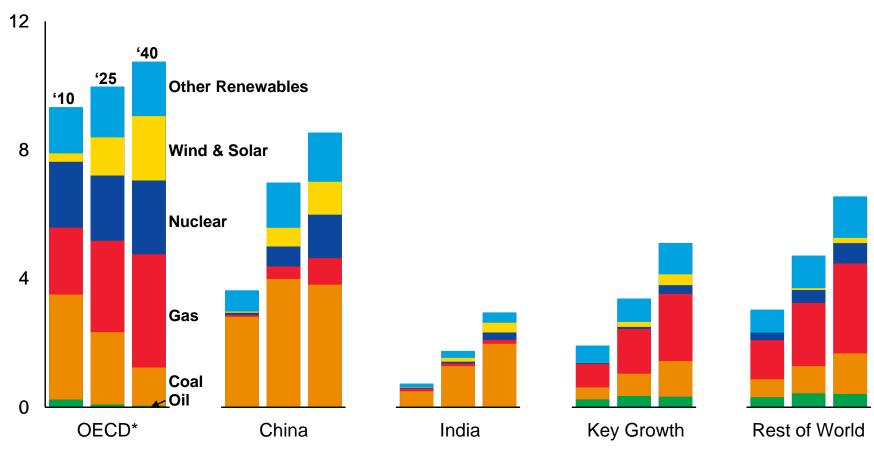




Global Electricity Transitions

Regional Generation

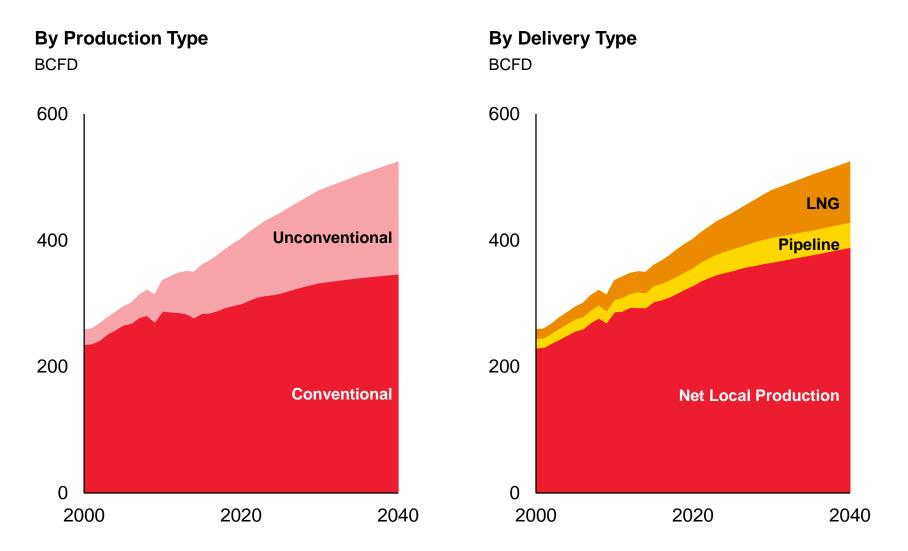






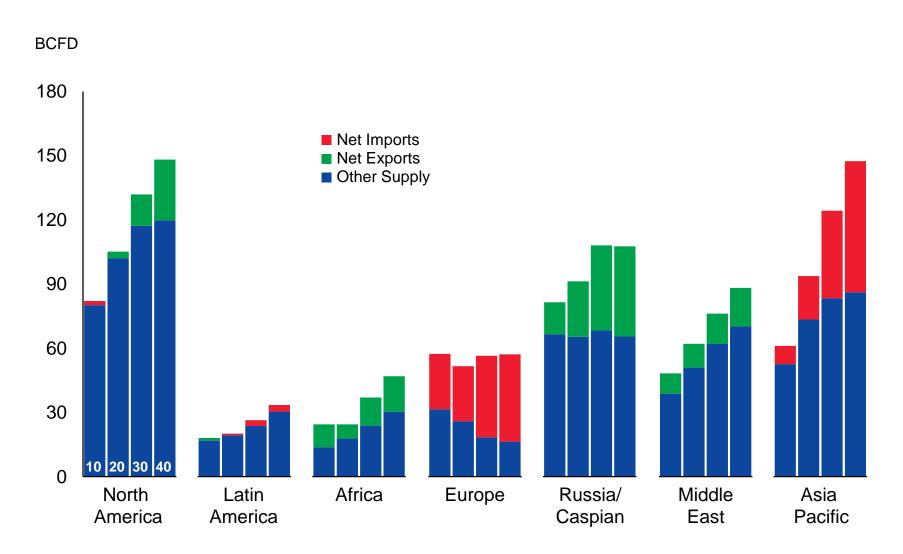
Supply

Natural Gas Supply





Gas Trade Balance by Region

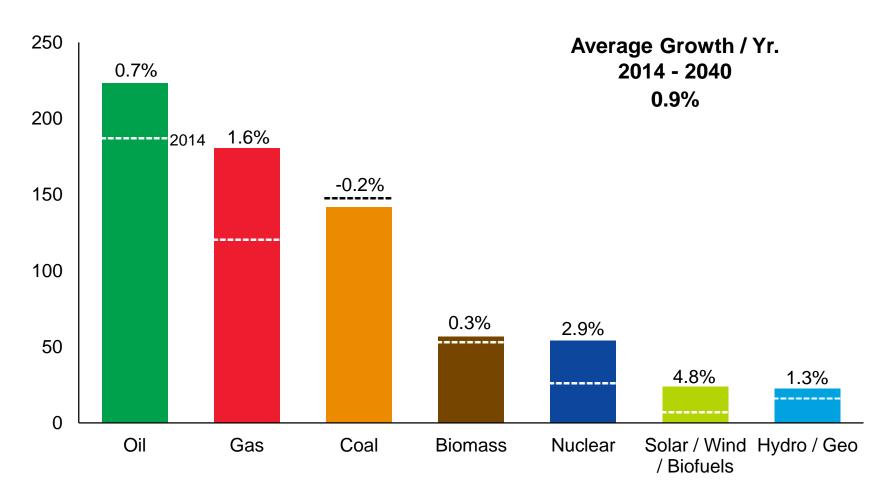




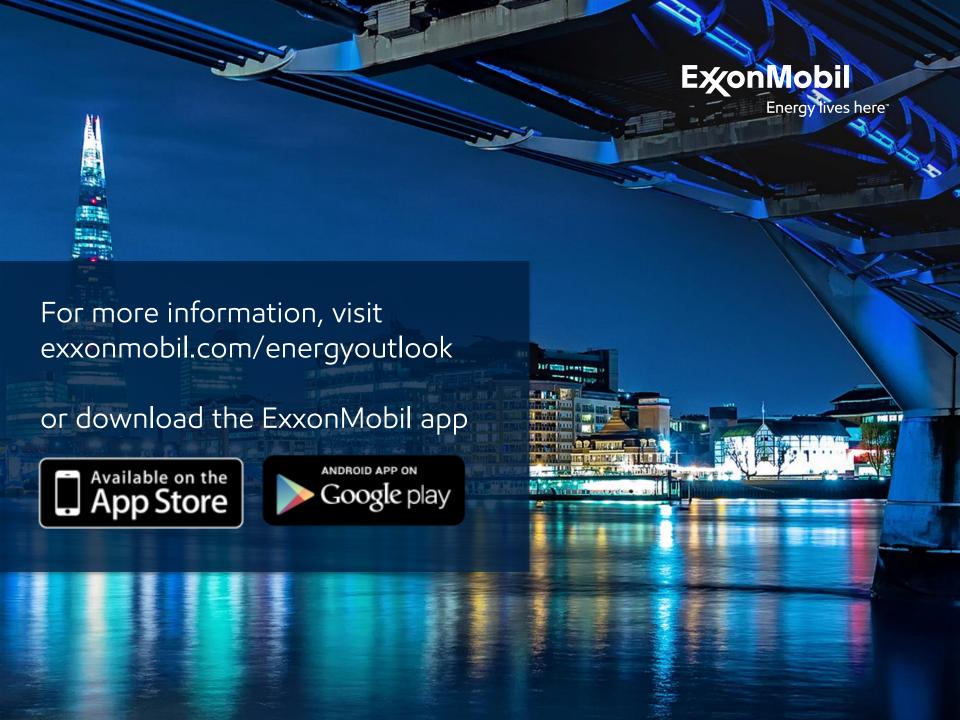
Global Demand

2040 By Fuel

Quadrillion BTUs







ExonMobil