Transportation
Global transportation energy consumption

Transportation energy consumption
quadrillion British thermal units

history projections

2010 2015 2020 2025 2030 2035 2040 2045 2050

Non-OECD
OECD
Transportation energy consumption by region

OECD transportation energy consumption
quadrillion British thermal units

Non-OECD transportation energy consumption
quadrillion British thermal units

history    projections  history    projections

OECD

OECD

Non-OECD

Non-OECD

Asia

Americas

Europe

China

India

Other Asia

Middle East

Africa

Americas

Europe and Eurasia
Transportation energy consumption by fuel type

Transportation energy consumption, OECD
quadrillion British thermal units

Transportation energy consumption, non-OECD
quadrillion British thermal units

2010 2020 2030 2040 2050

History projections
Transportation energy consumption by fuel type

Transportation energy consumption, OECD
quadrillion British thermal units

- Motor gasoline and E85
- Liquefied petroleum gas
- Electricity
- Natural gas
- Residual fuel oil
- Jet fuel
- Distillate fuel oil and biodiesel
- Other liquids

Graph showing 2020 and 2050 energy consumption.

Transportation energy consumption, non-OECD
quadrillion British thermal units

- Motor gasoline and E85
- Liquefied petroleum gas
- Electricity
- Natural gas
- Residual fuel oil
- Jet fuel
- Distillate fuel oil and biodiesel
- Other liquids

Graph showing 2020 and 2050 energy consumption.
Transportation energy consumption by type

Transportation sector energy consumption, OECD
quadrillion British thermal units

Transportation sector energy consumption, non-OECD
quadrillion British thermal units

- Passenger
- Freight
Passenger vehicle travel by region

Passenger vehicle travel, select regions
billion passenger miles traveled

history projections

China
India
United States
Other non-OECD Asia
Africa
OECD Europe
Middle East
Global light-duty vehicle stock by fuel type

Light-duty vehicle stock, OECD
billions of vehicles

Light-duty vehicle stock, non-OECD
billions of vehicles

- history
- projections

- electric plug-in
- hybrid
- natural gas
- diesel
- motor
- gasoline
- liquefied petroleum gas

- 2010
- 2020
- 2030
- 2040
- 2050
Passenger travel demand, energy use, and energy intensity

**Passenger travel demand**
trillion passenger-miles

- **History**
- **Projections**

**Passenger travel energy use**
quadrillion British thermal units

- **History**
- **Projections**

**Passenger travel energy intensity**
quadrillion British thermal units per passenger-mile

- **History**
- **Projections**
Passenger travel demand by mode

Passenger travel demand by mode, OECD
trillion passenger-miles

Passenger travel demand by mode, non-OECD
trillion passenger-miles
Passenger transportation energy consumption by mode

Passenger transportation energy consumption, OECD
quadrillion British thermal units

Passenger transportation energy consumption, non-OECD
quadrillion British thermal units

history projections

light-duty vehicles
air
two- or three-wheeled vehicles
rail
buses
Light-duty passenger vehicle stock by technology

Light-duty passenger vehicle stock
billions of passenger vehicles

**Note:** Electric stock includes all-electric vehicles and plug-in hybrid electric vehicles.
Passenger air travel, efficiency, and jet fuel consumption, OECD index, 2019 = 1.0

Passenger air travel, efficiency, and jet fuel consumption, non-OECD index, 2019 = 1.0
Passenger air travel by region

Passenger air travel, select regions
trillion passenger–miles traveled

- China
- India
- United States
- Other Asia
- Africa
- OECD Europe
- Middle East
Freight transportation energy consumption by mode

Freight transportation energy consumption, OECD
quadrillion British thermal units

Freight transportation energy consumption, non-OECD
quadrillion British thermal units

history | projections

2010 2020 2030 2040 2050

Freight transportation energy consumption, non-OECD
quadrillion British thermal units

history | projections

2010 2020 2030 2040 2050

heavy
heavy truck
medium
heavy truck
light
heavy truck
pipeline
international
marine
domestic
marine
rail