

Transportation Energy Data Book

Quick Facts

Petroleum

- In 2017 the U.S. produced more than 13 million barrels of petroleum per day (mmbd), or 14.2% of the world's 92.0 mmbd.
- The U.S. consumed 19.9 mmbd, or 20% of the world's 98.5 mmbd in 2017.
- Net imports of petroleum to the U.S. in 2017 were nearly 4 mmbd, which was 19% of U.S. petroleum.
- U.S. transportation petroleum use was 70% of total U.S. petroleum use in 2017.
- In 2017 U.S. transportation petroleum use was 106% of total U.S. petroleum production.
- Petroleum comprised 92% of U.S. transportation energy use in 2017.
- Cars and light trucks accounted for 63% of U.S. transportation petroleum use in 2016.
- Medium trucks (Class 3-6) accounted for 4% of U.S. transportation petroleum use in 2016.
- Heavy trucks (Class 7-8) and buses accounted for 19% of U.S. transportation petroleum use in 2016.
- Nonhighway modes accounted for the rest of U.S. transportation petroleum use in 2016 (14%).

Energy

- In 2017 U.S. transportation energy use accounted for about 29% of total U.S. energy use.
- Cars and light trucks accounted for 59% of U.S. transportation energy use in 2016.
- Medium trucks accounted for 5% of U.S. transportation energy use in 2016.
- Heavy trucks and buses accounted for 19% of U.S. transportation energy use in 2016.
- Nonhighway modes accounted for the rest of U.S. transportation energy use in 2016 (18%).

Light Vehicle Characteristics

- In 2016 there were 113 million cars and 133 million light trucks in the U.S. (246 million total light vehicles).
- Light vehicles accounted for 90% of the 3.2 trillion vehicle miles driven in the U.S. in 2016.
- U.S. cars:
 - 6,080,000 cars were sold in 2017 which was 36% of new light vehicle sales.
 - In 2016 the average age of a U.S. car was 11.6 years.
 - In 2016 the average fuel economy for the U.S. car fleet (all cars on the road) was 26.8 mpg.
- U.S. light trucks:
 - 10,738,000 light trucks were sold in 2017 which was 64% of new light vehicle sales.
 - In 2016 the average age of a U.S. light truck was 11.6 years.
 - In 2016 the average fuel economy for the U.S. light truck fleet (all light trucks on the road) was 19.1 mpg.
- The average U.S. household vehicle travels 11,200 miles per year (2017 NHTS).

Heavy Truck Characteristics

- 11,499,000 heavy trucks were registered in the U.S. in 2016.
- Heavy trucks and buses accounted for 10% of the 3.2 trillion vehicle miles driven in 2016.
- In 2002 (the last time a survey was conducted), heavy trucks accounted for 80% of medium and heavy truck fuel use.