

As a result, fossil fuels have accounted for about 80% of U.S. energy production in the past decade. Since 2008, U.S. production of crude oil, dry natural gas, and natural gas plant liquids (NGPL) has increased by 15 quadrillion British thermal units (quads), 14 quads, and 4 quads, respectively.

What percentage of domestic energy comes from fossil fuels?

In 2019,80% of domestic energy production was from fossil fuels, and 80% of domestic energy consumption originated from fossil fuels.

What percentage of US energy consumption comes from fossil fuels?

Much of the imported crude oil is processed by U.S. refineries and is then exported as petroleum products. Petroleum products accounted for 42% of total U.S. energy exports in 2019. The share of U.S. total energy consumption that originated from fossil fuels has fallen from its peak of 94% in 1966 to 80% in 2019.

What percentage of electricity is generated from renewable sources?

In 1990, renewable resources provided about 12% of utility-scale electricity generation. Wind energy was the source of about 10% of total U.S. utility-scale electricity generation and accounted for 48% of the electricity generation from renewable sources in 2023. Wind turbines convert wind energy into electricity.

What are fossil fuels?

Source: U.S. Energy Information Administration, Monthly Energy ReviewNote: Click to enlarge. Fossil fuels, or energy sources formed in the Earth's crust from decayed organic material, including petroleum, natural gas, and coal, continue to account for the largest share of energy production and consumption in the United States.

What are fossil fuels & how do they affect energy production?

Fossil fuels --petroleum, natural gas, and coal--accounted for about 84% of total U.S. primary energy production in 2023. Fossil fuels have dominated the U.S. energy mix for more than 100 years, but the mix has changed over time. 2





The share of U.S. total energy production from fossil fuels peaked in 1966 at 93%. Total fossil fuel production has continued to rise, but production has also risen for non-fossil fuel sources such as nuclear power and renewables.



Measured as a percentage of total electricity.

Source. Ember (2024); Energy Institute - Statistical
Review of World Energy (2024) ??? with major
processing by Our World in Data. "Data Page:
Share of electricity generated by fossil fuels", part of
the following publication: Hannah Ritchie, Pablo
Rosado and Max Roser (2023) - "Energy



This interactive chart shows the share of energy that comes from fossil fuels. Spain: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:





This interactive chart shows the share of energy that comes from fossil fuels. Iceland: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:



This interactive chart shows the share of energy that comes from fossil fuels. Russia: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:



When sources of zero-carbon energy such as large hydroelectric generation and nuclear are included, 59 percent of the state's retail electricity sales came from non-fossil fuel sources in 2020. In 2019, over 60 percent of the state's electricity came from renewable and zero-carbon sources.





82% of U.S. energy comes from fossil fuels, 8.7% from nuclear, and 8.8% from renewable sources. In 2023, renewables surpassed coal in energy generation. 1 Wind and solar are the fastest growing renewable sources, but contribute less than 3% of total energy used in the U.S. 1 Levelized Cost of Energy (LCOE) is measured as lifetime costs divided by energy production.



The share of U.S. total energy production from fossil fuels peaked in 1966 at 93%. Total fossil fuel production has continued to rise, but production has also risen for non-fossil fuel sources such as nuclear power and renewables. As a result, fossil fuels have accounted for about 80% of U.S. energy production in the past decade.



This interactive chart shows the share of energy that comes from fossil fuels. China: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:





This interactive chart shows the share of energy that comes from fossil fuels. Denmark: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to ???

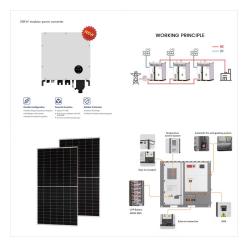


This interactive chart shows the share of energy that comes from fossil fuels. Sweden: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:



As far back as we have data, most of the energy used in the U.S. has come from coal, oil and natural gas. In 2018, those "fossil fuels" fed about 80% of the nation's energy demand, down slightly from 84% a decade earlier. Although coal use has declined in recent years, natural gas use has soared, while oil's share of the nation's





In 2023, about 60% of U.S. utility-scale electricity generation was produced from fossil fuels (coal, natural gas, and petroleum), about 19% was from nuclear energy, and about 21% was from renewable energy sources. The percentage shares of utility-scale net electricity generation by major energy sources in 2023 were: 1; Natural gas 43.1%



Carbon dioxide (CO 2) emissions from energy and material production can arise from various sources and fuel types: coal, oil, gas, cement production, and gas flaring.. As global and national energy systems have transitioned over centuries and decades, the contribution of different fuel sources to CO 2 emissions has changed both geographically and temporally.



Coal. In 2015, 33.2% of U.S. electricity came from coal??? roughly equal to natural gas (32.7%), but greater than nuclear power (20%) or renewable energy sources (13%). There is an abundant supply of coal in the United States and it's a relatively inexpensive energy source, but it is declining in use.





Ember (2024); Energy Institute - Statistical Review of World Energy (2024) ??? with major processing by Our World in Data. "Electricity generation from fossil fuels ??? Ember and Energy Institute" [dataset]. Ember, "Yearly Electricity Data"; Energy Institute, "Statistical Review of World Energy" [original data].



The figure shows Australian electricity generation fuel mix in shares from 1997-98 to 2022-23 and calendar year 2023. Fossil fuels contributed 65% of total electricity generation in 2023, including coal (46%), gas (17%) and oil (2%). Coal's share of electricity generation continued its long-term decline while the share of gas-fired generation



In 2020, renewable energy sources (including wind, hydroelectric, solar, biomass, and geothermal energy) generated a record 834 billion kilowatthours (kWh) of electricity, or about 21% of all the electricity generated in the United States.Only natural gas (1,617 billion kWh) produced more electricity than renewables in the United States in 2020. Renewables ???





This interactive chart shows the share of energy that comes from fossil fuels. Australia: How much of the country's energy comes from low-carbon sources? Click to open interactive version. The line chart shows the percentage of electricity supplied by each source.



This interactive chart shows the share of energy that comes from fossil fuels. Philippines: How much of the country's energy comes from low-carbon sources? Click to open interactive version. The line chart shows the percentage of electricity supplied by each source.



This interactive chart shows the share of energy that comes from fossil fuels. India: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:





Indirect emissions from electricity are less than 1 percent of direct emissions. Electricity production ??? Electric power includes emissions from electricity production used by other end use sectors (e.g., industry). In 2022, 60% of our electricity comes from burning fossil fuels, mostly coal and natural gas. 3



In discussions on climate change, we tend to focus on carbon dioxide (CO 2) ??? the most dominant greenhouse gas produced by the burning of fossil fuels, industrial production, and land use change.. However, CO 2 is not the only greenhouse gas that is driving global climate change. There are a number of others ??? methane, nitrous oxide, and trace gases such as the group of ???



This interactive chart shows the share of energy that comes from fossil fuels. Norway: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data:





What is U.S. electricity generation by energy source? In 2023, about 4,178 billion kilowatthours (kWh) (or about 4.18 trillion kWh) of electricity were generated at utility-scale electricity generation facilities in the United States. 1 About 60% of this electricity generation was from fossil fuels???coal, natural gas, petroleum, and other gases. About 19% was from nuclear energy, ???



This interactive chart shows the share of energy that comes from fossil fuels. France: How much of the country's energy comes from low-carbon sources? The line chart shows the percentage of electricity supplied by each source. A point to keep in mind when considering this data: