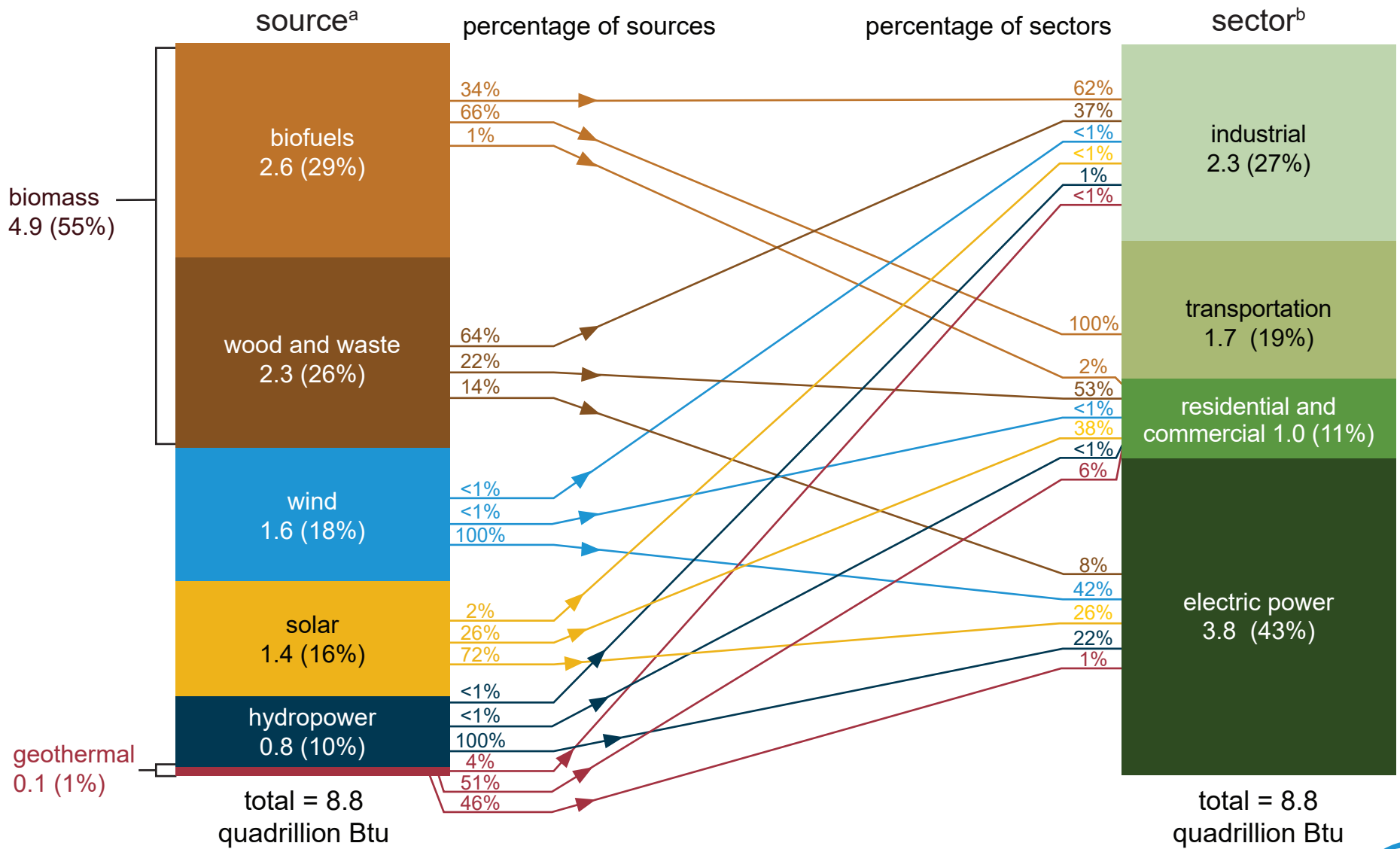


# U.S. renewable energy consumption by source and sector, 2025

quadrillion British thermal units (Btu)



Data Source: U.S. Energy Information Administration (EIA), [Monthly Energy Review \(MER\)](#), April 2026, Tables 10.1, 10.2a, 10.2b, and 10.2c  
 Note: Sum of components may not equal total due to independent rounding. See “Extended Chart Notes” on next page.  
<sup>a</sup> Each energy source is measured in different physical units and converted to common British thermal units (Btu). See [MER Appendix A](#).

Noncombustible renewable energy sources are converted to Btu using the “Captured Energy Approach”, see [MER Appendix E](#).  
<sup>b</sup> Industrial, commercial, and electric power sectors include primary energy consumption by combined-heat-and-power and electricity-only plants in the sector. Energy consumed by these plants reflects the approximate heat rates for electricity in [MER Appendix A](#).



## Extended Chart Notes

The U.S. Energy Information Administration's (EIA) *U.S. renewable energy consumption by source and sector* chart illustrates renewable energy that is consumed (used) in the United States. The data are from EIA's [Monthly Energy Review](#) (MER). The chart does not show energy production, nor the losses associated with energy production.

### Source

Renewable energy sources are measured in different physical units: liquid fuels in barrels or gallons, biomass gases in cubic feet, and electricity in kilowatthours. EIA converts each source into common British thermal units (Btu) to allow comparison among different types of energy. You can find more information about this conversion in MER [Appendices A and E](#).

**Wood:** Wood and wood products used as fuel. Includes round wood (cord wood), limb wood, wood chips, bark, saw dust, forest residues, charcoal, pulp waste, spent pulping liquor, densified biomass (which includes wood pellets), and other wood-based solids and liquids.

**Waste:** Organic non-fossil material of biological origin that is a byproduct or a discarded product. Waste includes municipal solid waste from biogenic sources; landfill gas; sludge water; agricultural crop byproducts; straw; and other biomass solids, liquids, and gases. Waste does not include wood and wood-derived fuels (including black liquor), biofuels feedstock, biodiesel, and fuel ethanol. In addition, EIA biomass waste data include energy crops grown specifically for energy production, which would not normally be considered waste.

**Biofuels:** Liquid fuels and blending components produced from biomass feedstocks, such as corn or soy. Biofuels include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels consumption as well as losses and coproducts from fuel ethanol and biodiesel production.

**Wind:** Kinetic energy present in wind motion that can be converted to mechanical energy for driving pumps, mills, and electric power generators.

**Hydropower ( Conventional hydroelectric power):** The use of flowing water to produce electrical energy.

**Solar:** The radiant energy of the sun, which can be converted into other forms of energy, such as heat or electricity. Solar includes utility-scale (1 megawatt or greater capacity) and small-scale (customer-sited, rooftop, etc.) solar thermal, photovoltaic (PV), and direct-use energy.

**Geothermal:** Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation. Ground-source heat pumps use ambient-temperature, near-surface soil, rock, or ground water as a heat source, or sink, to increase the efficiency of the heat-pump cycle in commercial and residential buildings.

## Sector

**Industrial:** Includes energy consumed for manufacturing (NAICS codes 31-33); agriculture, forestry, fishing, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); construction (NAICS code 23); and combined-heat-and-power (CHP) biomass, wind, hydropower, solar, and geothermal generators that produce electricity or useful thermal output primarily to support these industrial activities.

**Transportation:** Includes biofuels used by automobiles; trucks; buses; motorcycles; trains, subways, and other rail vehicles; aircraft; and ships, barges, and other waterborne vehicles whose primary purpose is transporting people or good from one physical location to another. Vehicles whose primary purpose is not transportation (that is, construction cranes and bulldozers, farming vehicles, and warehouse forklifts) are classified in the sector of their primary use.

**Residential:** Includes energy used for space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances in the living quarters of private households. Includes small-scale (customer-sited, rooftop, etc.) solar and solar thermal heat energy used in the sector.

**Commercial:** Includes energy consumed by businesses; federal, state, and local governments; other private and public organizations, such as religious, social, or fraternal groups; institutional living quarters; sewage treatment facilities; and CHP biomass, wind, hydropower, solar, and geothermal generators that produce electricity or useful thermal output primarily to support the activities of these commercial establishments.

**Electric power sector:** An energy-consuming sector that consists of electricity-only and CHP plants whose primary business is to sell electricity, or electricity and heat, to the public (NAICS code 22 plants). This sector also includes large, utility-scale biomass, wind, hydropower, solar, and geothermal plants.