### Table 10.1 Renewable Energy Production and Consumption by Source (Trillion Btu)

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<th>Month</th>
<th>Biomass Total</th>
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**Production Notes:**
- For hydroelectric power, geothermal, solar, wind, and biomass waste, production equals consumption.
- For biofuels, production equals total biomass inputs to the production of fuel ethanol and biodiesel. For wood, through 2015, production equals consumption; beginning in 2016, production equals consumption plus densified biomass exports.
- Total biomass inputs to the production of fuel ethanol and biodiesel.
- Wood and wood-derived fuels, biomass waste, and total biomass inputs to the production of fuel ethanol and biodiesel.
- Hybrid hydroelectric power, geothermal, solar, wind, and biomass.
- Conventional hydroelectricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6), and geothermal heat pump and direct use energy.
- Solar photovoltaic (PV) and solar thermal electricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6), and solar thermal direct use energy.
- Wind electricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6), and geothermal heat pump and direct use energy.
- Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).
- Fuel ethanol (minus denaturant), biodiesel, other renewable diesel fuel, and other renewable fuels consumption; plus losses and co-products from the production of fuel ethanol and biodiesel.
- R-Revised. NA-Not available. (s)-Less than 0.5 trillion Btu.

**Notes:**
- Most data for the residential, commercial, industrial, and transportation sectors are estimates. See notes and sources for Tables 10.2a and 10.2b. See Note, "Renewable Energy Production and Consumption," at end of section.
- Totals may not equal sum of components due to independent rounding.
- Geographic coverage is the 50 states and the District of Columbia.


**Sources:**
- Production: Tables 10.2a-10.4 and U.S. Energy Information Administration, Form EIA-860, "Densified Biomass Fuel Report."
- Consumption: Tables 10.2a-10.2c.

**U.S. Energy Information Administration / Monthly Energy Review January 2019**