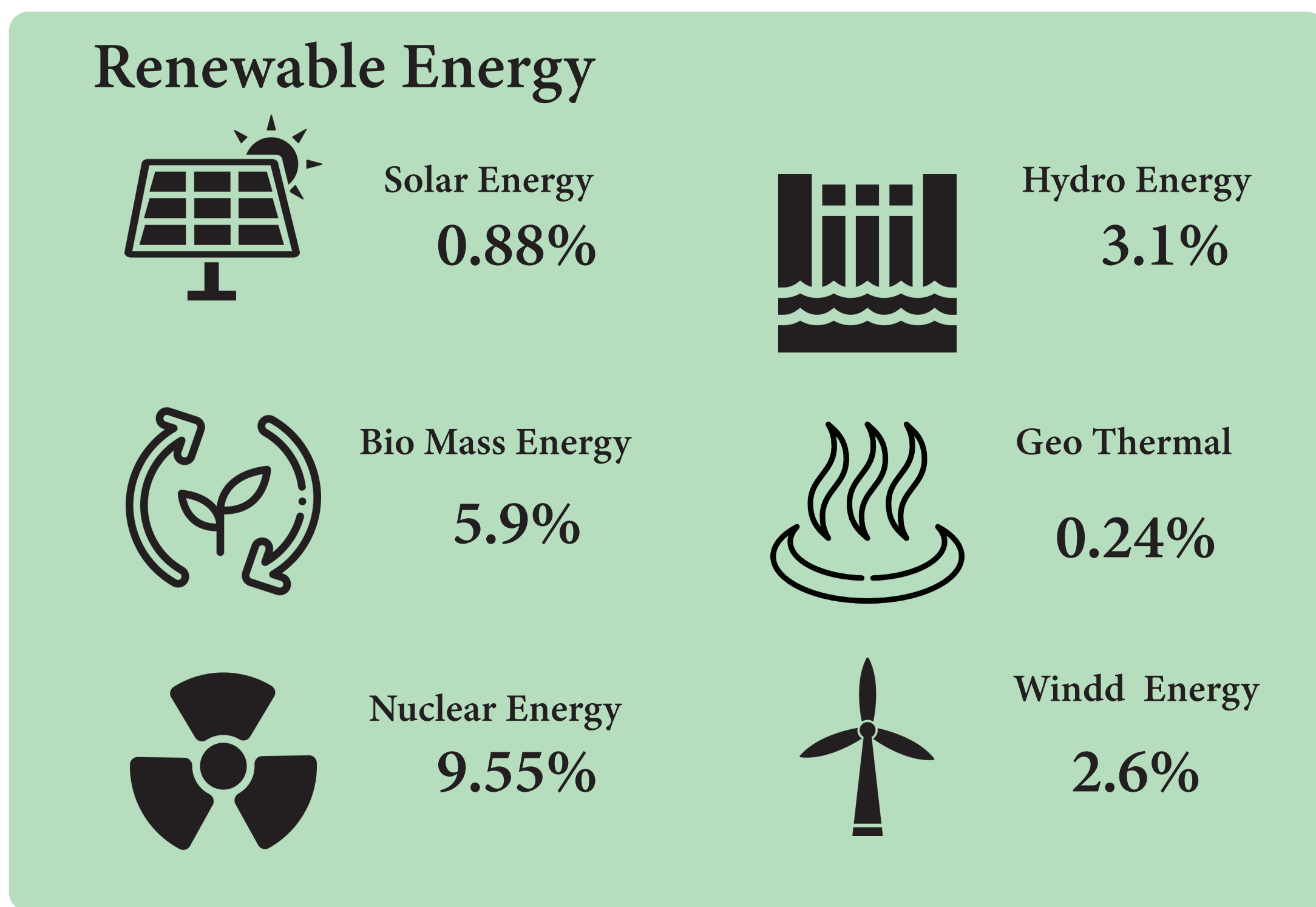
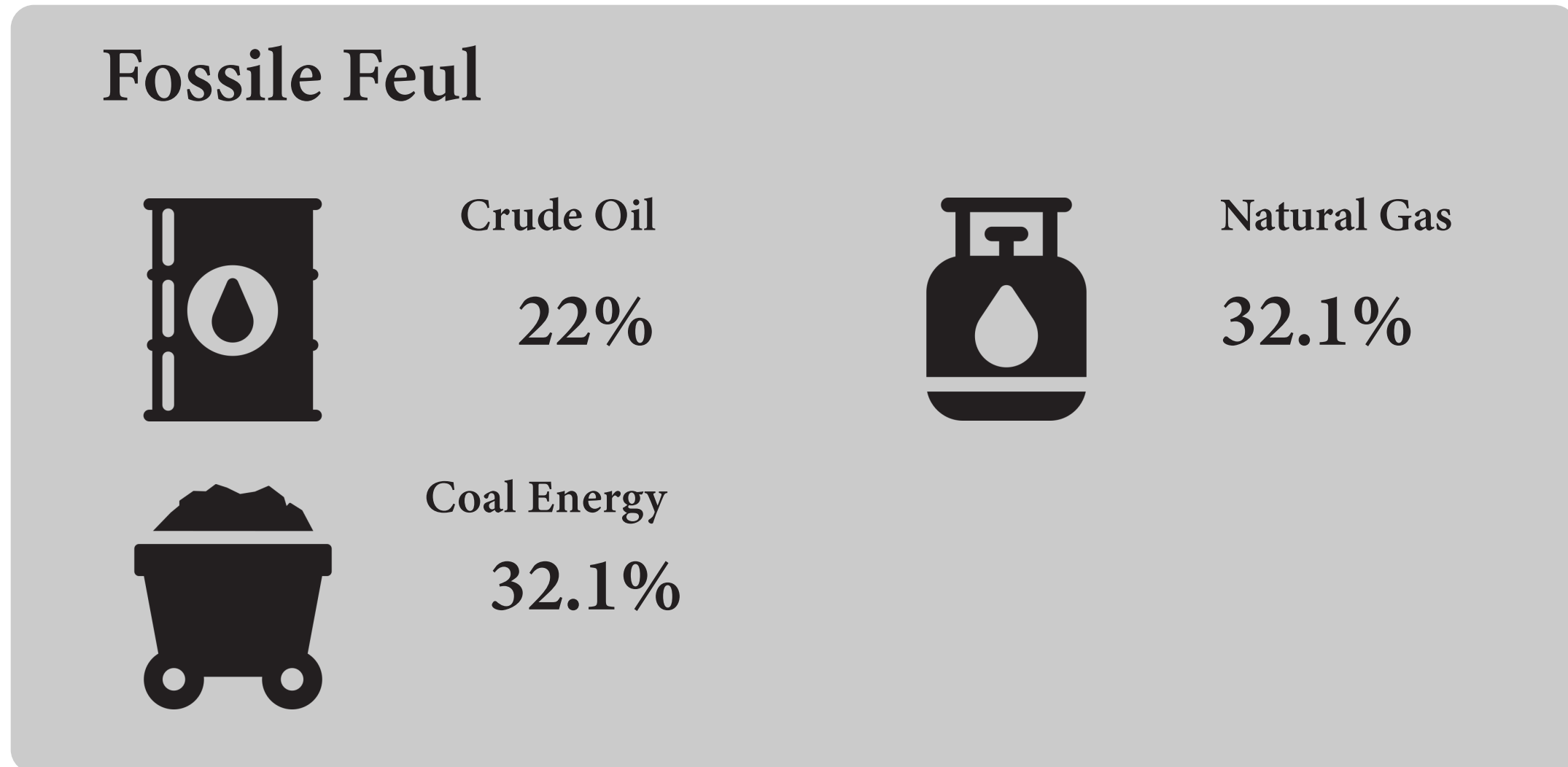


How Does Your State Make Electricity?

How the United States generated electricity from the year of 2017

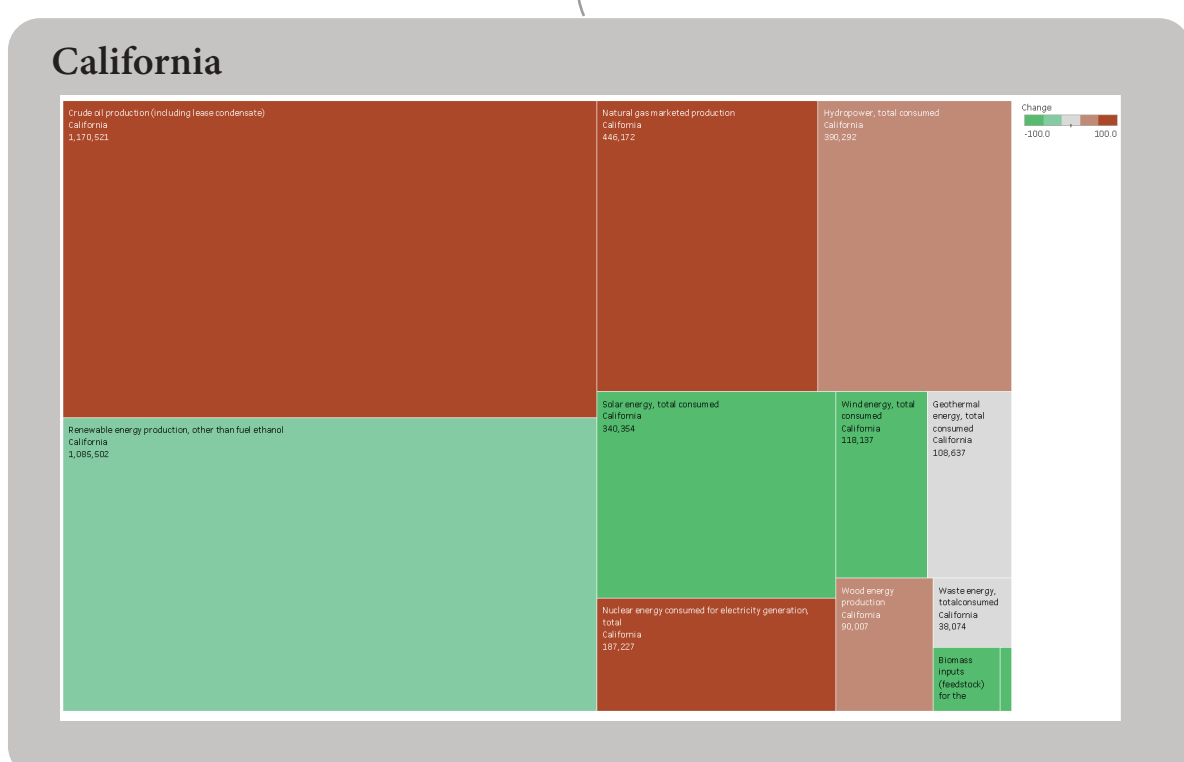
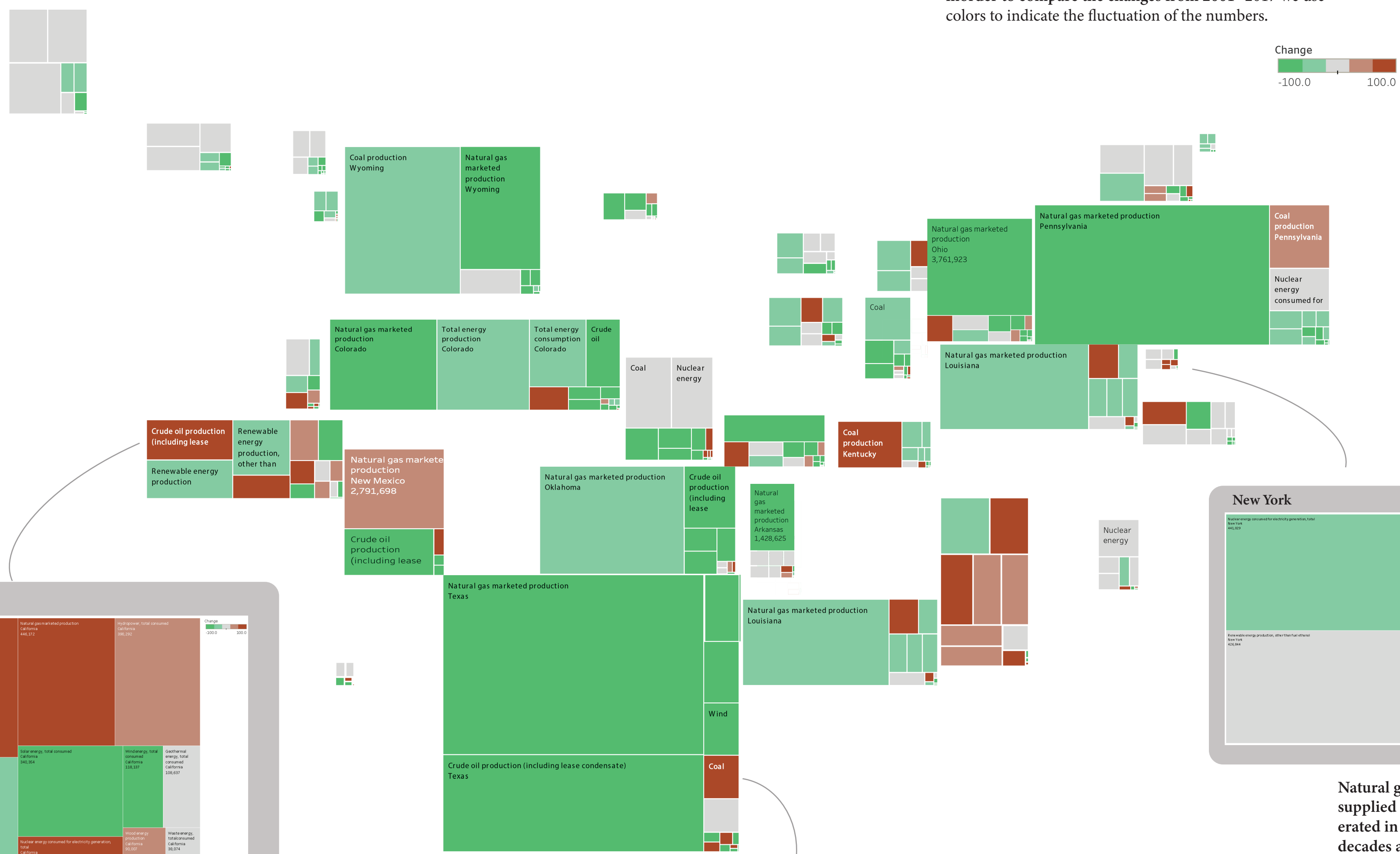


Overall, fossil fuels still dominate electricity generation in the United States. But the shift from coal to natural gas has helped to lower carbon dioxide emissions and other pollution. Last year, coal was the main source of electricity generation for 18 states, down from 32 states in 2001.

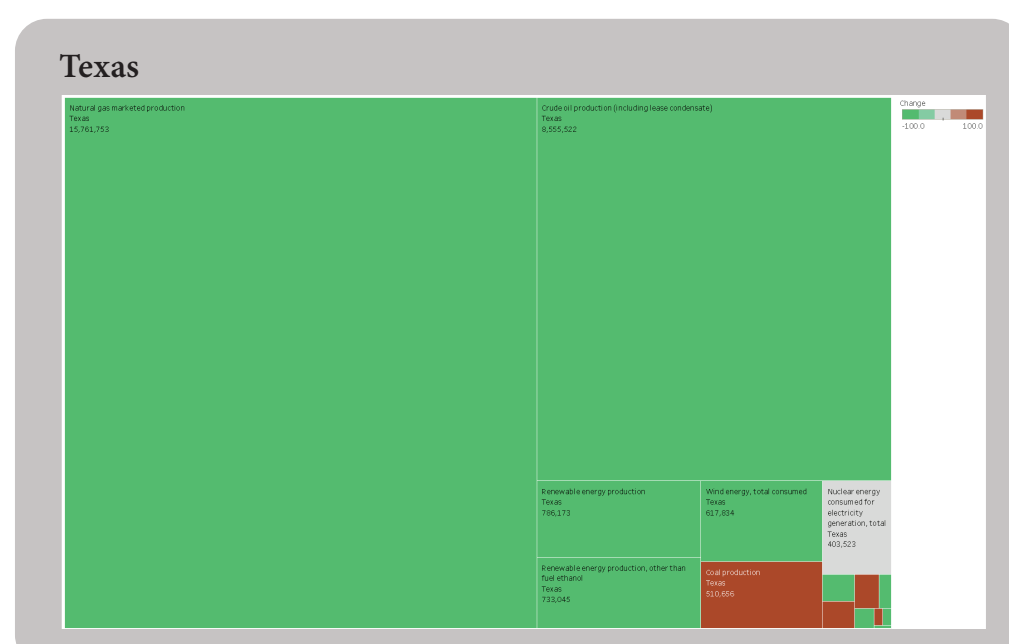
“Switching from coal to gas is a fine thing to do in the short run, but it’s not a solution in the longer run,” said Severin Borenstein, Director of the Energy Institute at the University of California, Berkeley’s Haas School of Business. “Gas still produces a lot of greenhouse gases. We can’t stay on gas and solve this problem. Ultimately we’re going to have to go to much lower or zero-carbon sources.”

State Energy Map

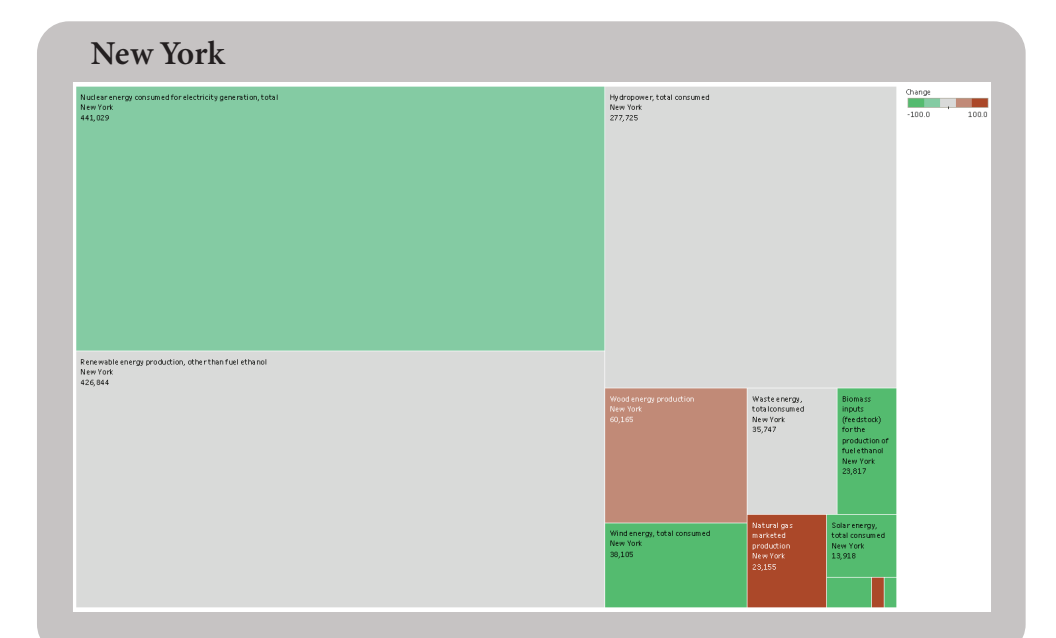
In this Map we have the sources of energy for each state, in order to compare the changes from 2001~2017 we use colors to indicate the fluctuation of the numbers.



Natural gas has been California's top electricity source since 2001. But half of the power produced in the state last year came from renewable sources, including solar, wind, geothermal, and hydroelectricity. Hydroelectric power, which dwindled between 2014 and 2015 because of drought, rose again last year to provide the largest share of renewable generation in the state. Solar power has grown quickly over the past five years, largely because of state policies like an aggressive renewable energy standard. This year, California committed to get all of its electricity from Zero Carbon Source.



Texas produces more electricity than any other state, and natural gas has been its top generation source since 2001, with coal in second place. But coal's generation share has declined as wind power has increased. In 2014, wind overtook nuclear power as the third-largest source of electricity produced in the state. Texas produces more power from wind in total than any other state, with Oklahoma and Iowa in second and third place.



Natural gas and nuclear power have supplied the majority of electricity generated in New York for nearly two decades and their share has expanded as coal use in the state has declined. For the past decade, New York has also produced about a fifth of its electricity from hydro-power, the state's largest source of renewable energy.