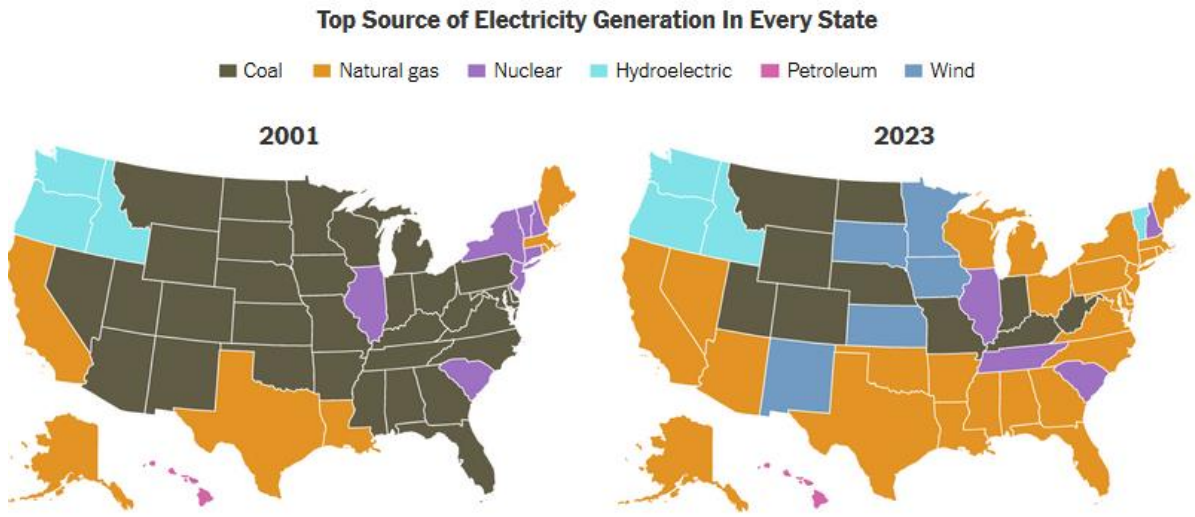
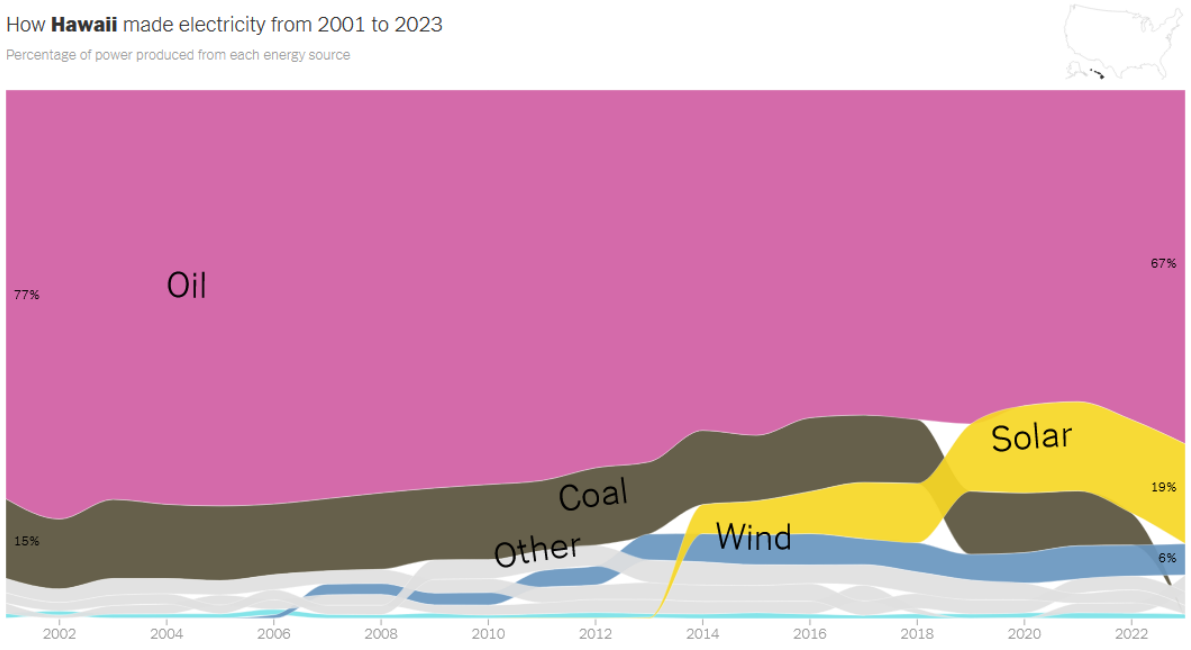
Episode 56WRB to 56WRAE August 8, 2024. How Does Your State Make Electricity? Hawaii to Maryland

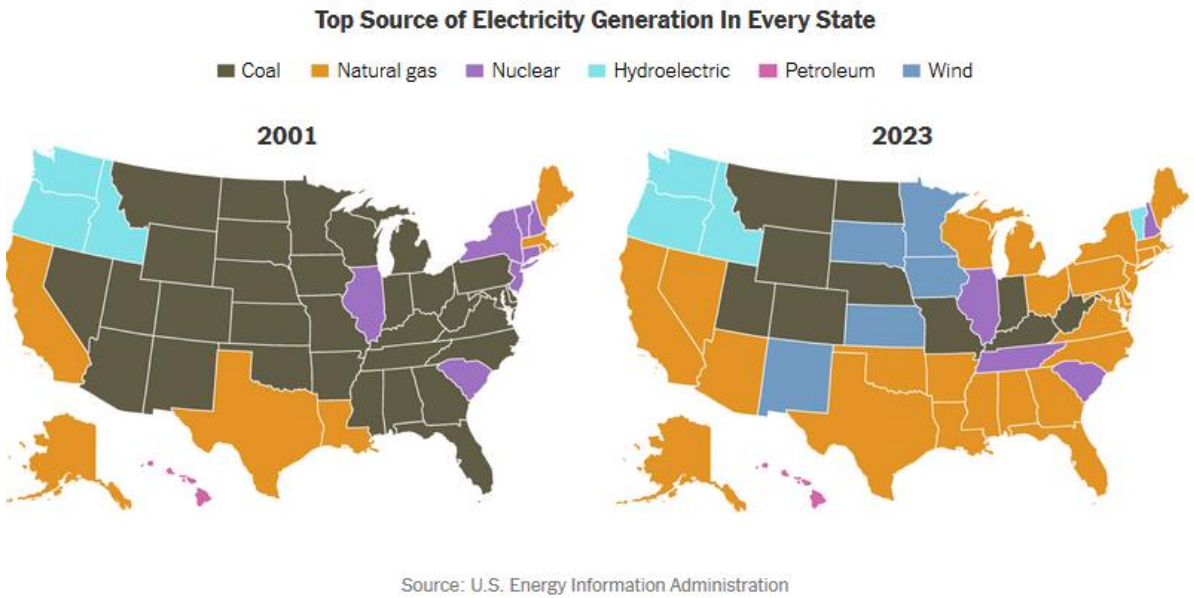
Episode 56WRB1 to 10 Hawaii to Maryland. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. RAWSEP View: the United States Government should instead of certifying wood stoves as safe when they are not safe go forward with regulations that ban wood stove use and direct government money for use of dead wood only for home building and furniture building, for just a few examples of use of forest products for non-burning uses. RAWSEP View on the Article Below: How can we make United states decisions on energy sources for electricity and have those decisions on energy sources for electricity not be a stumbling block blocking a clean energy future? Perhaps the solution of using clean energy sources is already being implemented because Wind and Solar are more cost effective, and less logistically difficult to implement than say what is now allowed to be called renewable biomass woodburning for electricity generation. But we cannot sit back and see what arbitrary decisions states make to block clean energy implementation. We have to analyze why bad decisions were made and find the reasons behind some states making good decisions. One excerpt from the article below. Money for Solar and Wind Clean Energy Generation.

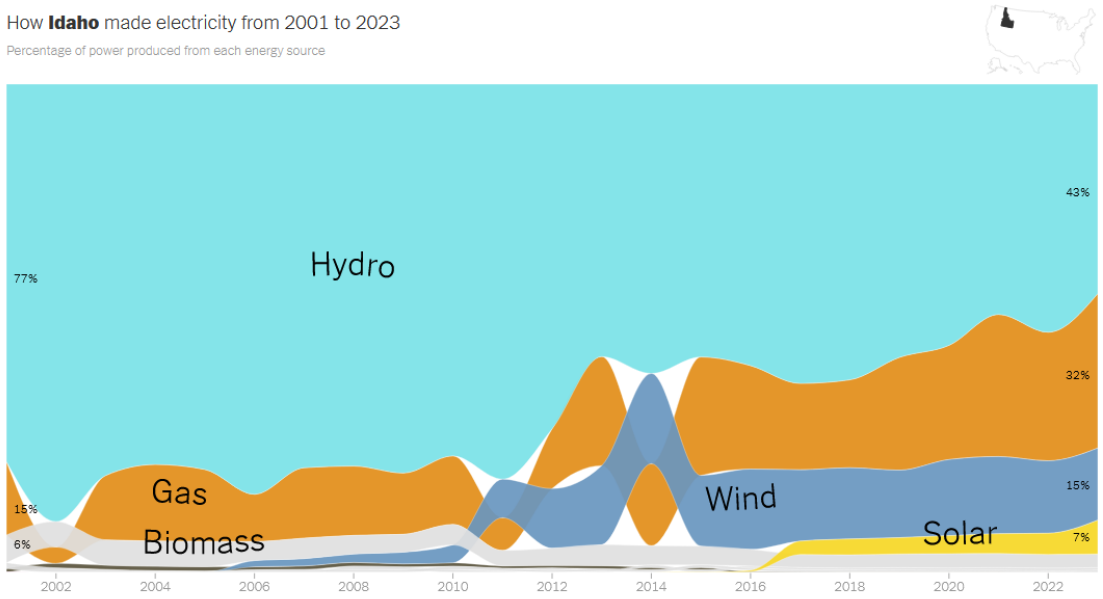




President Biden's signature climate and energy law, the 2022 Inflation Reduction Act, aimed to turbocharge the growth of renewable wind and solar energy nationwide and to support other technologies that could reduce emissions from the power sector, like nuclear energy, advanced batteries and carbon capture and storage for gas plants. But the future of that law remains uncertain in an election year, with Republicans promising to repeal many of its clean-energy provisions. What happens at the federal level is only part of the equation. States have the power to accelerate, slow down or block new energy development, too. From the article below. New York Times. How Does Your State Make Electricity? August 2, 2024 Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.

RAWSEP View: The New York Times compiled a similar analysis of how each state generates electricity in 2018 and 2020 also. This 2024 analysis from the New York Times article is based on Government figures. The idea that energy flows between United States is explained below as cross state imports and exports. Two excerpts from the article below explain this. Data notes and methodology. Data comes from the U.S.

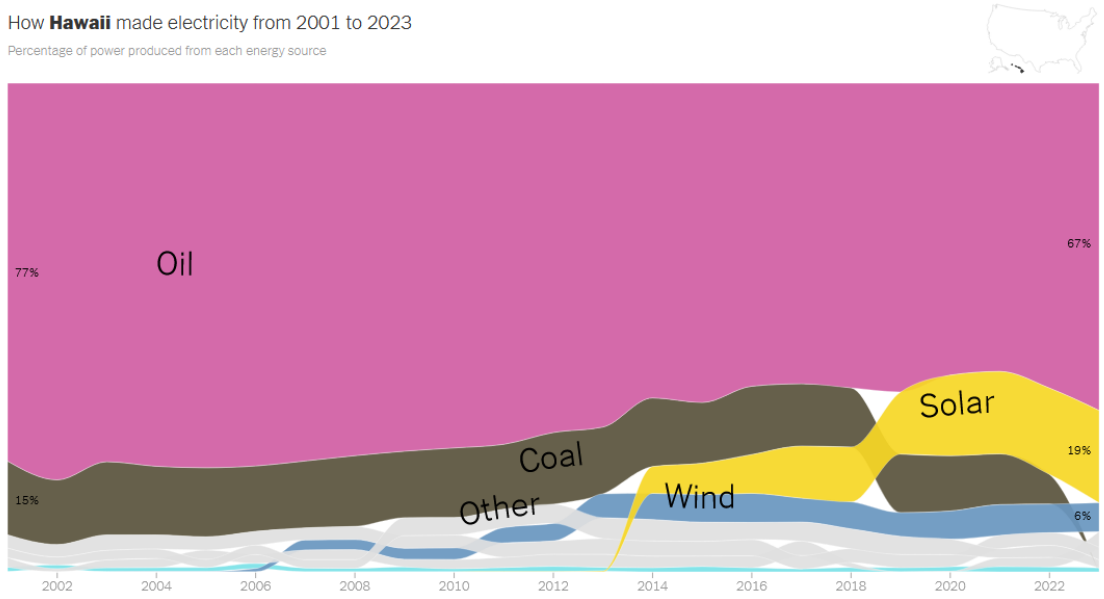




Ep56WRB1 of 10 How Hawaii made electricity from 2001 to 2023

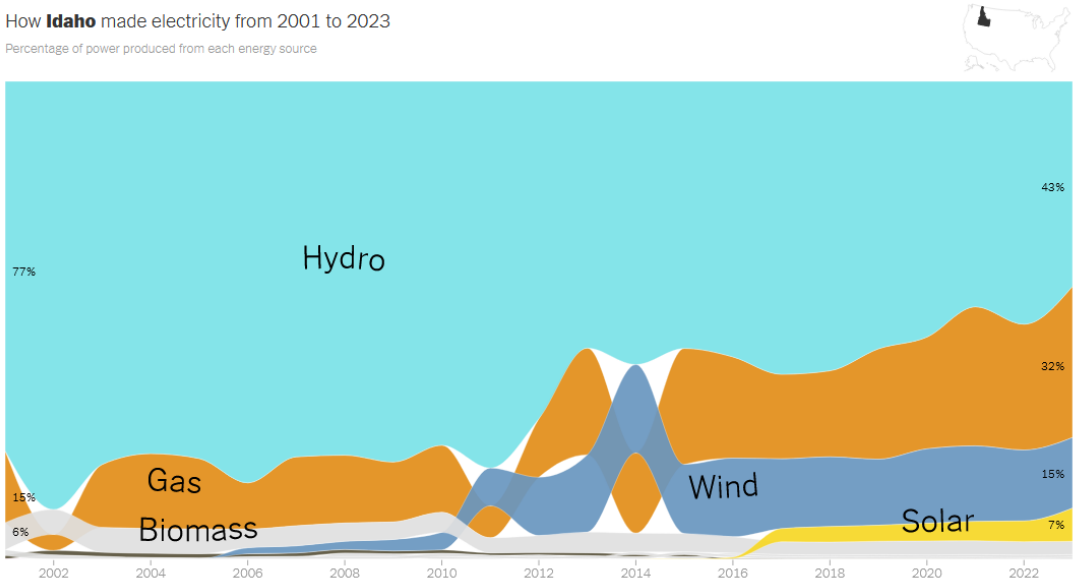
Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalWindOtherOilSolar 15%77%6%67%19%

RAWSEP View: In Hawaii imported oil is the top electricity source. The state recently opened a new, large-scale battery storage facility as part of its strategy to replace the coal power that was retired. (Battery charging and discharging is not shown in the charts above, which reflect net generation.) If wood burning is considered carbon free in Hawaii because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Hawaii replaced coal burning with wood burning based on that scientifically debunked theory then on paper Hawaii might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning.



Ep56WRB2 of 10 How Idaho made electricity from 2001 to 2023
Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
GasHydroWindBiomassSolar 15%77%6%32%43%15%7%

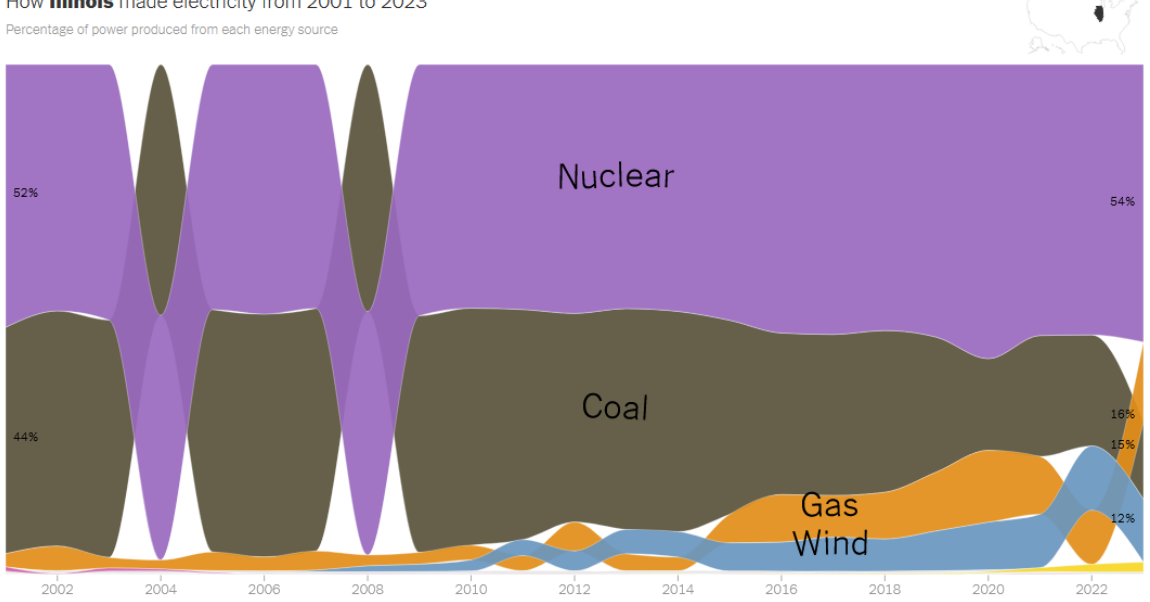
RAWSEP View: In Idaho Hydro generated the vast majority of Idaho's electricity during the 2000s and early 2010s. But in recent years, drought conditions have pushed down the amount of hydroelectric power produced in the state. Idaho still makes the majority of its electricity from renewable sources, with hydro providing 43 percent of in-state power generation last year and wind and solar together providing an additional 22 percent. But natural gas power has expanded significantly at the same time. If wood burning is considered carbon free in Idaho because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Idaho replaced coal burning with wood burning based on that scientifically debunked theory then on paper Idaho might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Idaho is an energy importer.



Ep56WRB3 of 10 How Illinois made electricity from 2001 to 2023

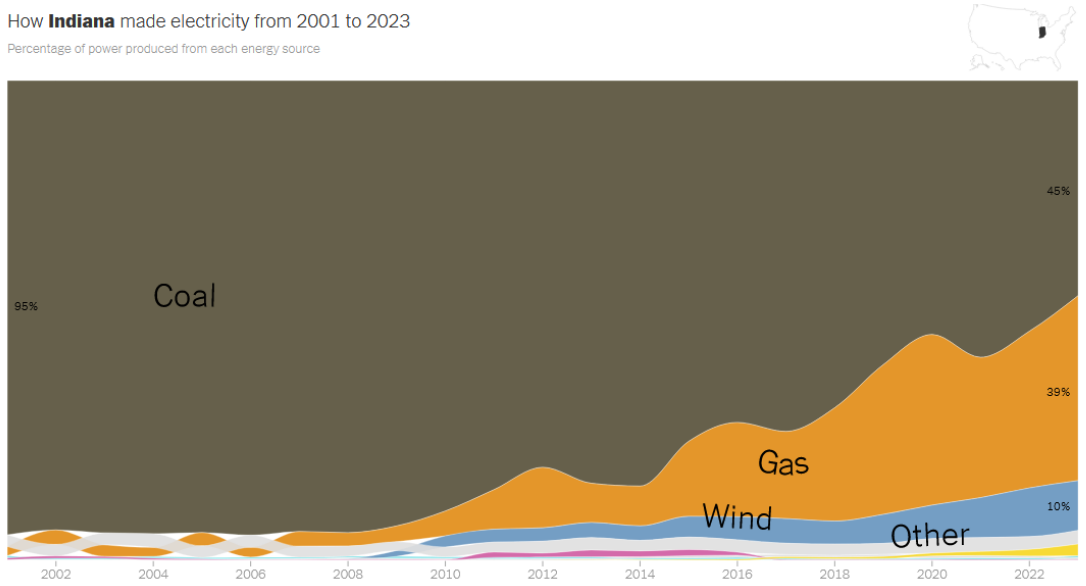
Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalGasNuclearWind 44%52%15%16%54%12%

RAWSEP View: In Illinois Nuclear Power is the top electricity source. If wood burning is considered carbon free in Illinois because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Illinois replaced coal burning with wood burning based on that scientifically debunked theory then on paper Illinois might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Illinois is an energy exporter.



Ep56WRB4 of 10 How Indiana made electricity from 2001 to 2023
Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalGasWindOther 95%45%39%10%

RAWSEP View: In Indiana Coal is the top electricity source. If wood burning is considered carbon free in Indiana because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Indiana replaced coal burning with wood burning based on that scientifically debunked theory then on paper Alabama might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Indiana is an energy importer.



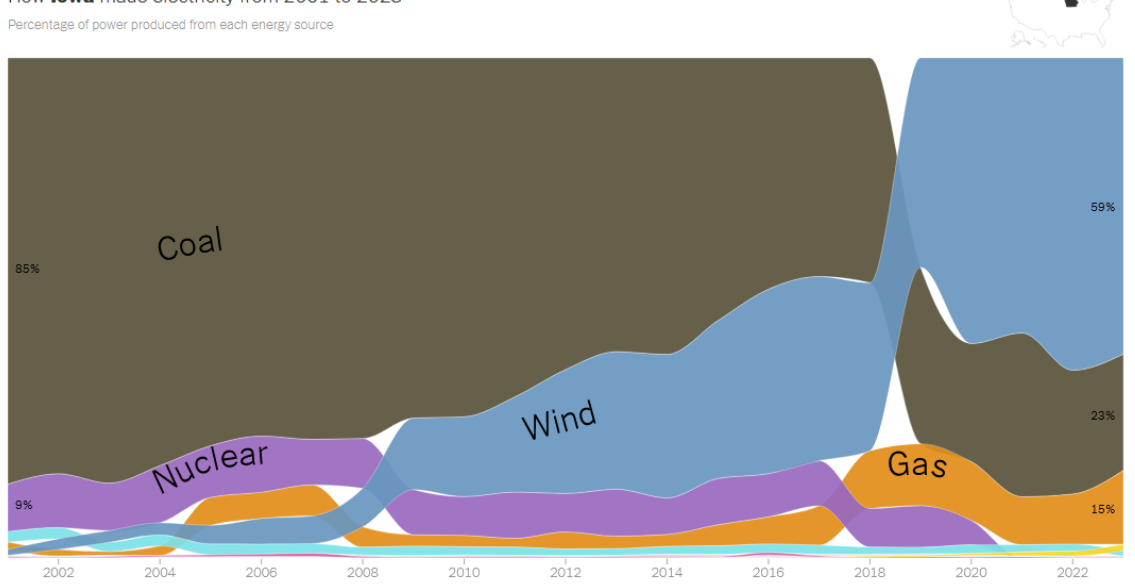
Ep56WRB5 of 10 How Iowa made electricity from 2001 to 2023

Percentage of power produced from each energy source

2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

CoalGasNuclearWind 85%9%23%15%59%

RAWSEP View: In Iowa Wind is the top electricity source. If wood burning is considered carbon free in Iowa because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Iowa replaced coal burning with wood burning based on that scientifically debunked theory then on paper Iowa might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Iowa is an energy exporter.



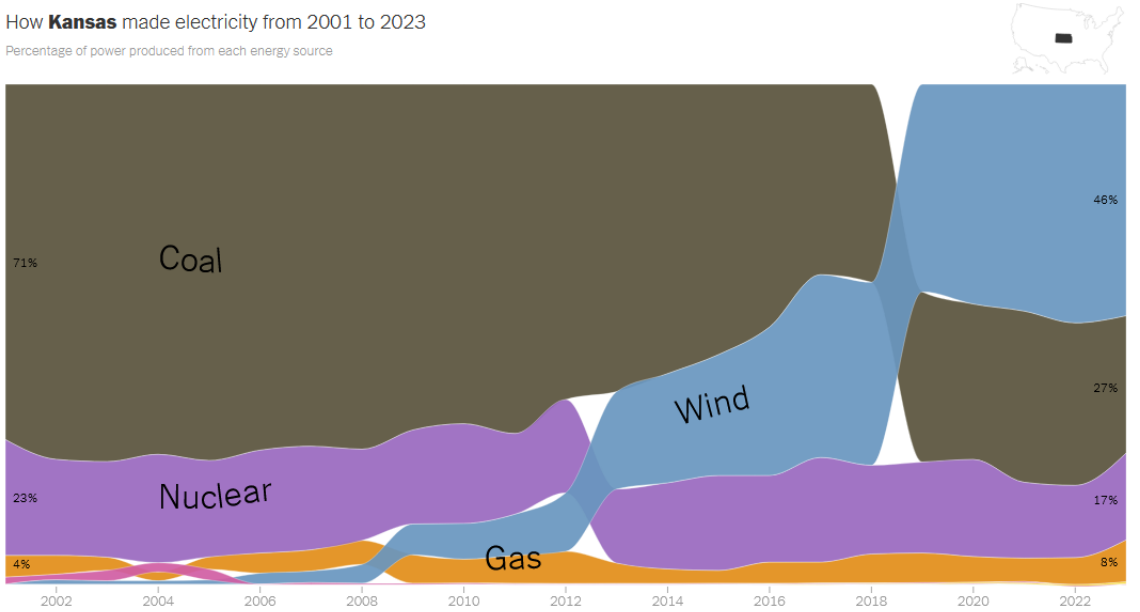
Ep56WRB6 of 10 How Kansas made electricity from 2001 to 2023

Percentage of power produced from each energy source

2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

CoalGasNuclearWind 71%4%23%27%8%17%46%

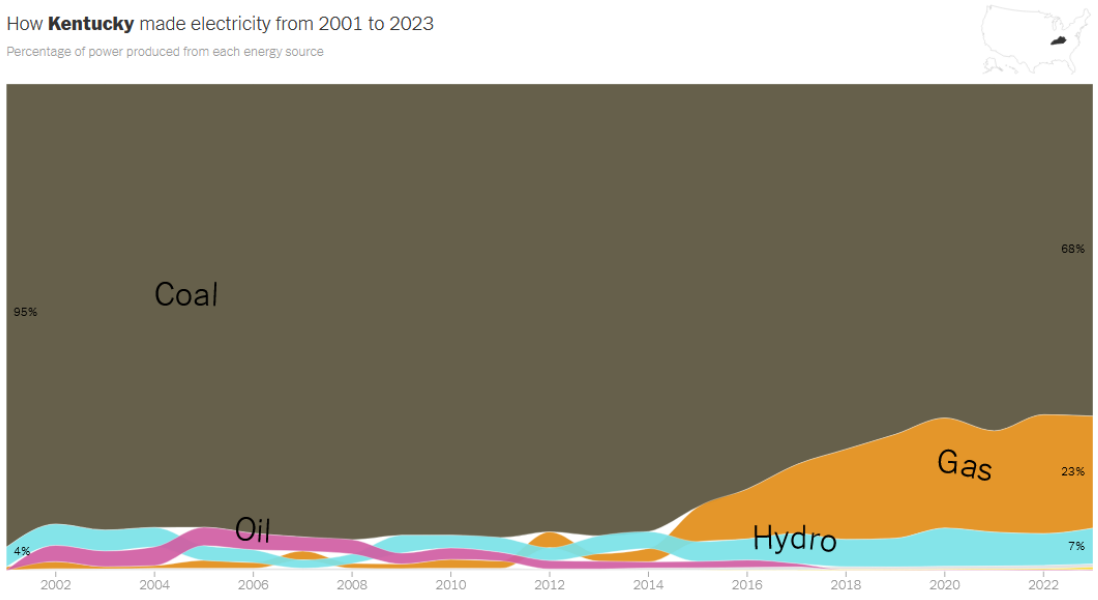
RAWSEP View: In Kansas Wind is the top electricity source. If wood burning is considered carbon free in Kansas because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Kansas replaced coal burning with wood burning based on that scientifically debunked theory then on paper Kansas might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Kansas is an energy exporter.



Ep56WRB7 of 10 How Kentucky made electricity from 2001 to 2023

Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalGasHydroOil 95%4%68%23%7%

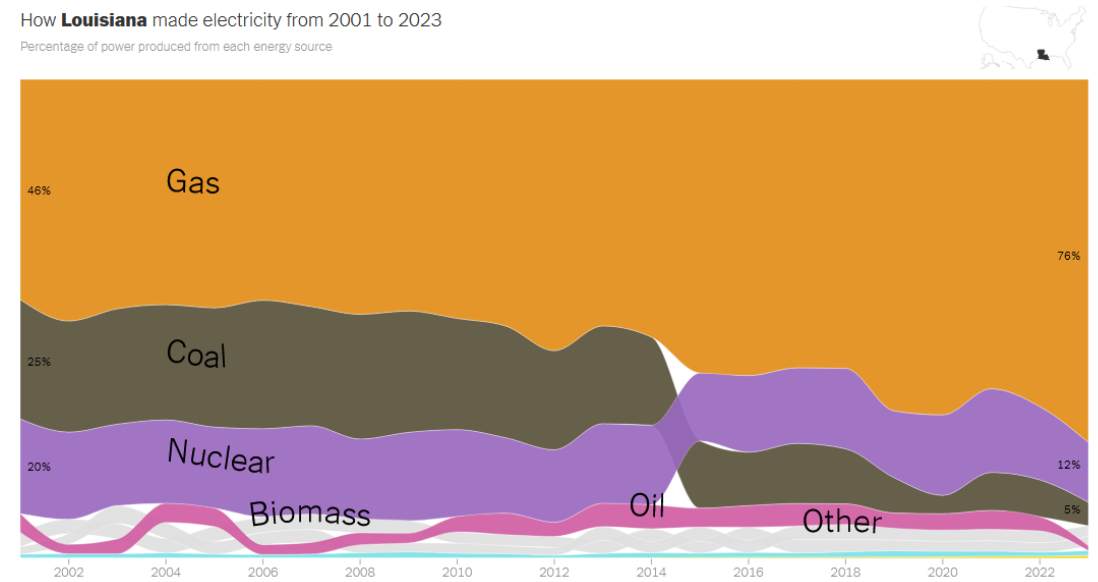
RAWSEP View: In Kentucky Coal is the top electricity source. A number of the state's older, coal-fired power plants have shut down or been converted to burn natural gas over the past 10 years. If wood burning is considered carbon free in Kentucky because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Kentucky replaced coal burning with wood burning based on that scientifically debunked theory then on paper Kentucky might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning.



Ep56WRB8 of 10 How Louisiana made electricity from 2001 to 2023

Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalGasNuclearBiomassOtherOil 25%46%20%5%76%12%

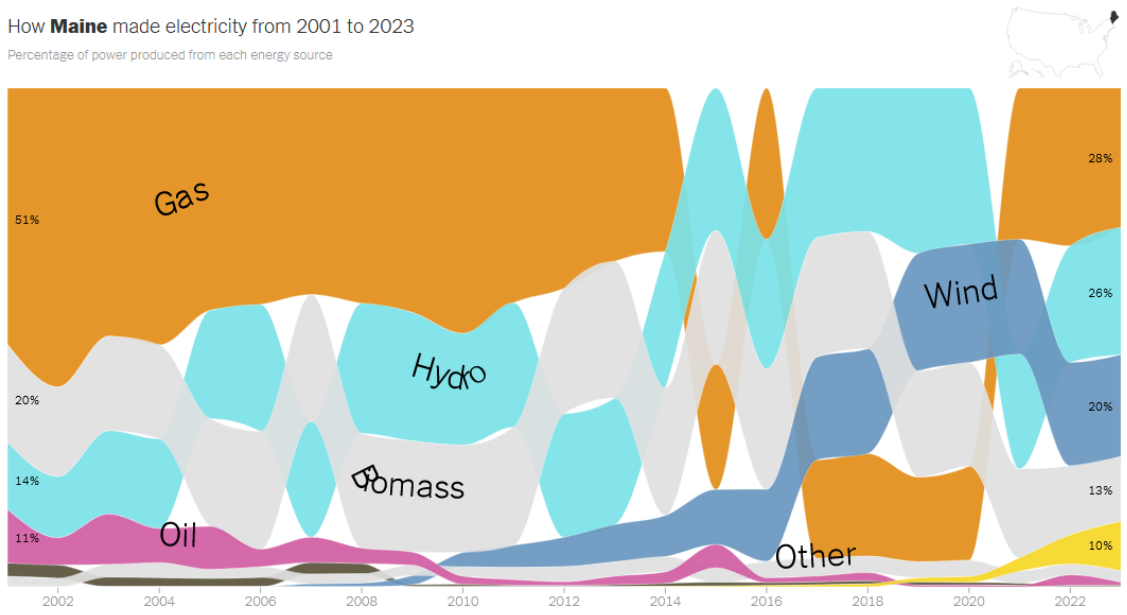
RAWSEP View: In Louisiana Natural Gas is the top electricity source. Hydro is the top renewable energy source. Last year, gas accounted for 76 percent of electricity made in the state, up from 46 percent in 2001. If wood burning is considered carbon free in Louisiana because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Louisiana replaced coal burning with wood burning based on that scientifically debunked theory then on paper Louisiana might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Alabama is an energy importer.



Ep56WRB9 of 10 How Maine made electricity from 2001 to 2023

Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
GasHydroWindBiomassOtherOil 51%14%20%11%28%26%20%13%10%

RAWSEP View: Most of the electricity generated in Maine last year came from renewable sources. Together, hydroelectric dams, wind turbines, solar arrays and biomass plants, which burn wood and other organic materials, produced about 69 percent of the state's power. Maine uses wood burning as a renewable although it is a polluting renewable unlike Wind and Solar which are clean renewables. If wood burning is considered carbon free in Maine because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and Maine replaced coal burning with wood burning based on that scientifically debunked theory then on paper Maine might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Maine is an energy importer.



Ep56WRB10 of 10 How Maryland made electricity from 2001 to 2023

Percentage of power produced from each energy source
2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
CoalGasNuclearHydroOilSolar 58%28%6%5%41%40%5%6%

RAWSEP View: In Maryland Coal is the top electricity source. Hydro is the top renewable energy source. Natural gas is second and nuclear power third. If wood burning is considered carbon free in Maryland because of the scientifically debunked theory of Carbon Neutrality of Wood Burning and if Maryland replaced coal burning with wood burning based on that scientifically debunked theory then on paper Maryland might seem to be meeting carbon free goals while in reality producing more air pollution than with coal burning. Maryland is an energy importer.