

Which States are Paying the Highest Carbon Cost for Non-Renewable Electricity Generation?

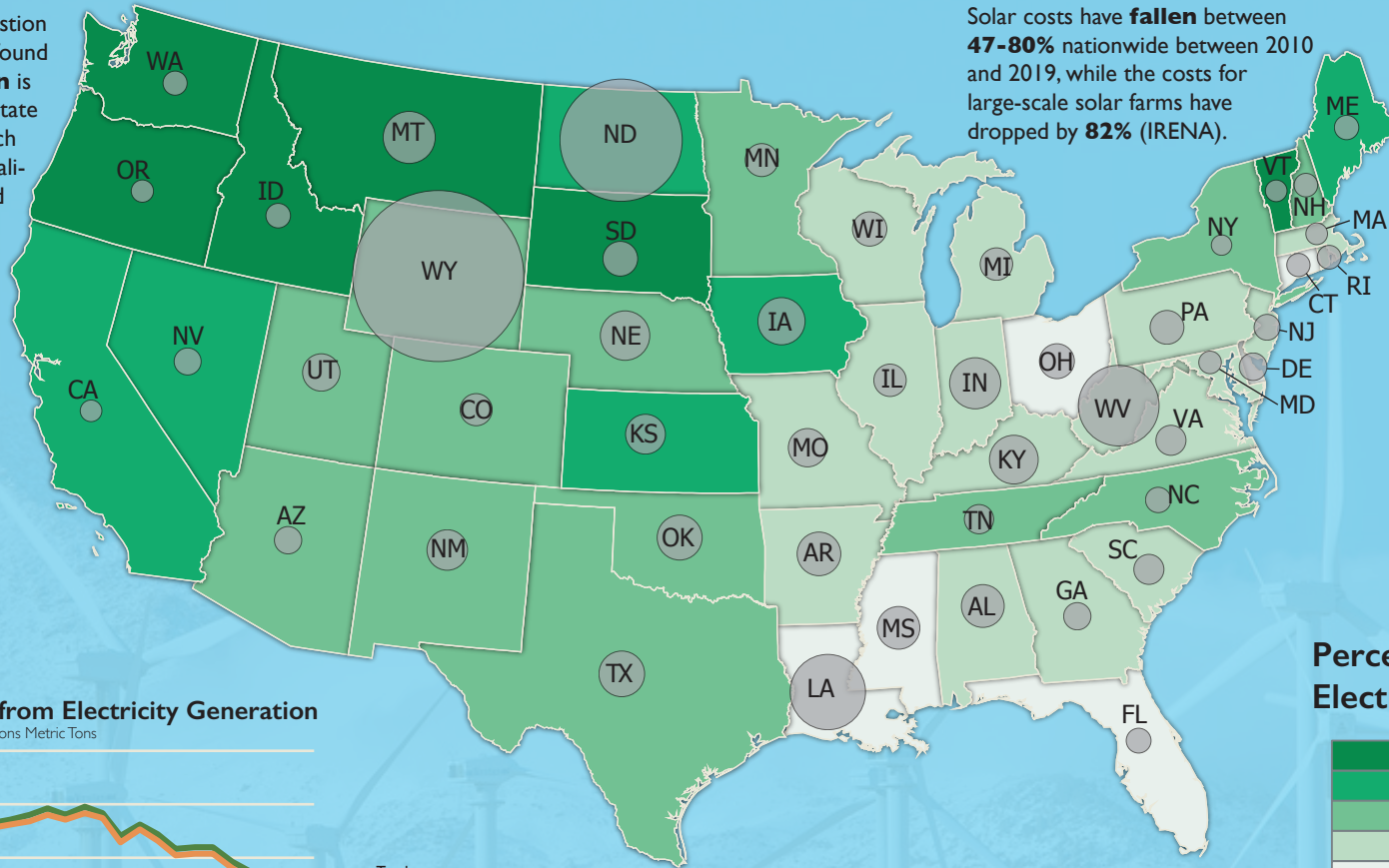
*States using more clean energy are layered above those with less

One MIT Study that tracked combustion emissions between 2005 and 2018 found that **electric power generation** is the greatest contributor to out-of-state **pollution-related deaths**, which make up more than half of all air-quality-related early deaths in the United States, (Steven Barrett, MIT).

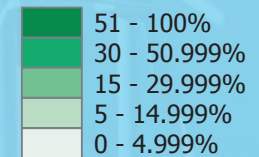
According to one Stanford study, wind energy produces around **11 grams** of CO2 per kilowatt-hour of electricity generated, compared with about **980 g CO2/kWh** for coal and roughly **465 g CO2/kWh** for natural gas, (NREL).

Solar costs have **fallen** between **47-80%** nationwide between 2010 and 2019, while the costs for large-scale solar farms have dropped by **82%** (IRENA).

"In 2018, CO2 emissions from fossil fuel combustion for energy were equal to about 75% of total U.S. anthropogenic GHG emissions (based on 100-year global warming potential) and about 93% of total U.S. anthropogenic CO2 emissions," (EIA).

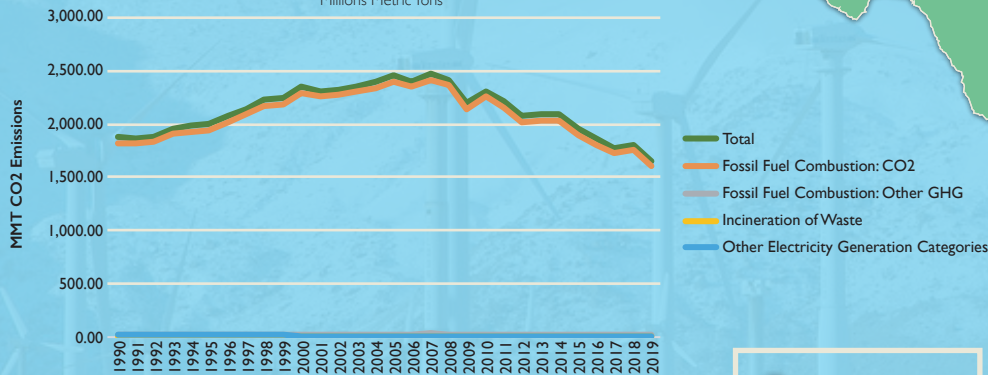


Percentage of Renewable Electric Energy Generation



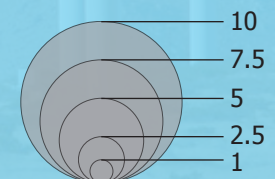
U.S. CO2 Emissions from Electricity Generation

Millions Metric Tons



CO2 Emissions from Electric Energy Production

Million Metric Tons per 100,000 people



This map uses data collected from March 18, 2021 by the EIA and EPA. Renewable sources include geothermal, hydroelectric, solar, and wind. Non-Renewable sources include coal, petroleum, and natural gas.

Lambert Conformal Conic Projection
Standard Parallels: 33°N, 45°N
Central Meridian: 96°W

Cartographer: Kaden Bosquez