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Which States have the “Dirtiest” Electricity?



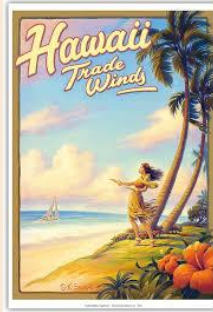
Hint: Some of are more than
surprising. Others, not so much.



Yesterday we covered the states with the highest percentage of clean power generation.

Today, we'll look at those with the lowest percentage as well as do a deeper dive into the Environmental Protection Agency (EPA) data.

The "dirtiest grids: 41 through 45



41. Hawaii	15.75%
42. Ohio	15.75%
43. Utah	14.31%
44. Mississippi	13.43%
45. Massachusetts	12.48%

Percentage of electricity generated from carbon-free sources.

Massachusetts really? One of the "bluest" states in the country. Home of the People's Republic of Cambridge? (just kidding). Shame on them.

Hawaii is also surprising, but the advantage of being an island in the middle of the ocean is trade winds. In 2022 Hawaii registered some of the cleanest air in the world.



Interesting to note that not all clean power generation has the same impact.

According to a report from Clearloop and WattTime, building a solar plant in Kentucky would reduce emissions by 62% more than building the same plant in Los Angeles.

Makes sense when you think about it.

The "dirtiest grids: 46 through 50



46. Indiana	11.67%
47. Rhode Island	7.28%
48. Kentucky	6.62%
49. West Virginia	6.45%
50. Delaware	1.28%

Percentage of electricity generated from carbon-free sources.

West Virginia may be the least surprising state at the bottom of this list. In 2022, the state generated 89% of its electricity from coal. Ouch!

What is surprising is Delaware bringing up the rear, registering a paltry 1.28% of electric generation from carbon-free sources. That's a bit of a bad look for the out-going President, who ironically, passed the largest climate bill in the history of the United States.

What else did the data reveal?

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Only two states – California and Nevada - generate more than 10% of their electricity from solar.

12 states get more than 20% of their power from wind, four of which are in the top 13 for clean power generation.

Wind and solar aren't quite ubiquitous



Solar Stats

- 24 states generate less than 1% of their electricity from solar
 - Of those, 8 are in the top 13 in terms of percentage of clean power.
- 3 states have no solar (North Dakota, Alaska, and West Virginia)

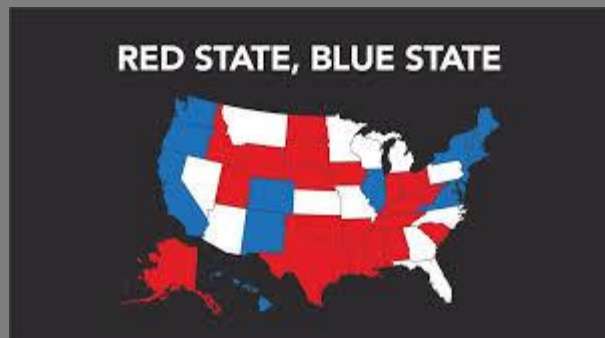
Wind Stats

- 15 states generate less than 1% of their electricity from wind.
 - Of those only 2 are in the top 13 in terms of percentage of clean power.
- 8 states have no wind (Georgia, Florida, South Carolina, Arkansas, Michigan, Alabama, Louisiana, Kentucky)

What about red versus blue states?

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Clean energy is political right? It seems to depend



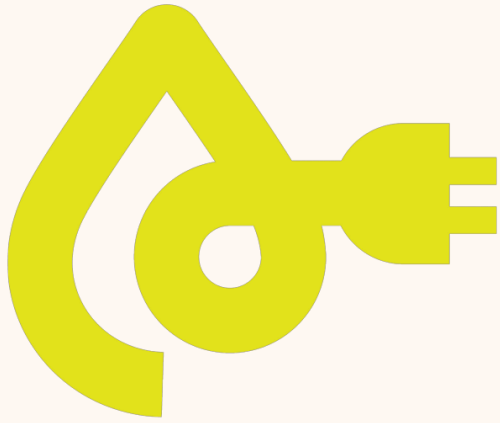
- Of the 13 states that generate more than 50% of their electricity from carbon-free sources:
 - 6 are blue and 7 are red.
- Of the 10 states that have the lowest percentage of clean electricity generation:
 - 4 are blue and 6 are red.

Notwithstanding the geographic limitations of hydropower, maybe the issue isn't political, but rather how carbon-free power is generated.

That's a very different conversation.

In the top red states, the primary source of clean power is as follows: (3) wind, (2) nuclear, and (2) hydropower.

In the top blue states, the primary source of clean power is as follows: (3) hydropower, (2) nuclear, and (1) wind.



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Unbiased and Unfiltered

- An honest assessment of the climate change effort.
- I cover what's working – but more important - the issues/roadblocks that the industry would prefer to ignore.
- A must-read for anyone with a desire to understand what's really going on with renewable energy and climate change.



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