

States such as Texas have seen a surge in wind power in the last decade.

The Block Island offshore wind farm in Rhode Island is the nation's first.

Wind Energy on the Rise 2020

Wind energy is expanding rapidly across the U.S.

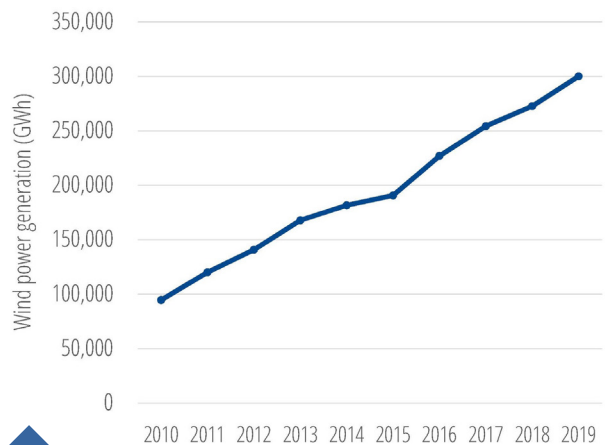
Wind energy is abundant and emission-free. Wind energy now generates enough electricity to power over 33 million American homes – bringing America one step closer to a future powered by 100% renewable energy.

Wind energy has more than tripled since 2010

- Wind energy now generates 7 percent of America's electricity, up from 2 percent in 2010. The Midwest and Southwest have led in wind energy growth.¹
- Wind energy accounted for nearly 27 percent of all U.S. electricity generating capacity additions in 2019.
- Technology for wind turbines has been improving. The average wind turbine today can generate more than twice as much electricity as one built in 2010.

Offshore wind energy can power the coasts

- America has tremendous offshore wind potential. Wind power off the Atlantic Coast has the potential to generate four times the East Coast states' current electricity consumption. The West Coast has offshore wind energy potential 10 times its annual electricity use.
- In 2016, America's first utility-scale offshore turbines began operation in Rhode Island.
- Six states on the East Coast have set ambitious targets for offshore wind development.



Wind energy generation more than tripled from 2010 to 2019.



Wind turbines in Kansas.

¹ For a full list of sources, visit <https://environmentamerica.org/feature/ame/renewables-rise-2020>.

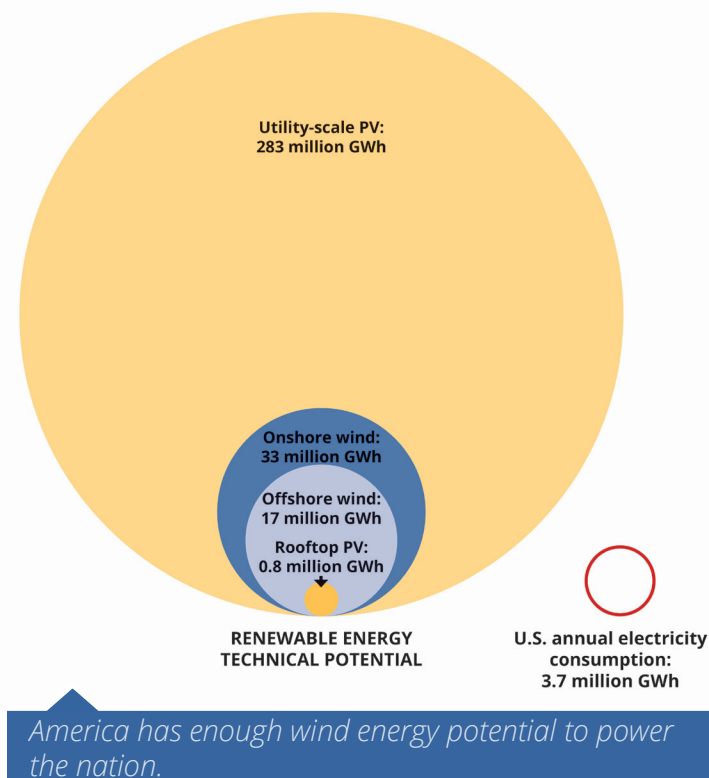
Wind energy's tremendous potential

- The U.S. has the technical potential to meet its current electricity needs more than 10 times over with wind energy.
- Onshore and offshore wind power in Texas alone could technically generate nearly twice as much electricity as the entire United States uses each year.

Achieving America's wind energy potential

State and federal policymakers can help tap America's massive wind energy potential by:

- Committing to 100% renewable energy.
- Setting ambitious goals for development of offshore wind energy.
- Continuing clean energy tax credits and other financial support for wind energy technologies.



Rank	State	2010 (GWh)	2019 (GWh)	Growth (GWh)
1	Texas	26,251	84,429	58,178
2	Oklahoma	3,808	28,883	25,075
3	Kansas	3,405	21,501	18,096
4	Iowa	9,170	26,558	17,388
5	Illinois	4,454	13,831	9,377
6	California	6,079	14,970	8,891
7	Colorado	3,452	10,926	7,474
8	Nebraska	422	7,414	6,992
9	North Dakota	4,096	10,754	6,658
10	Minnesota	4,792	11,040	6,248

Top 10 states for wind energy generation growth from 2010-2019.

Top states for wind energy

- Texas, Oklahoma and Kansas are leading the way in wind energy production.
- In Texas alone there are now more than 13,000 wind turbines, the result of an early commitment to renewable energy and a \$7 billion investment in the state electric grid. In Kansas and Oklahoma, wind generation grew more than six-fold from 2010 to 2019.

Explore the growth of wind energy online

Our report *Renewables on the Rise 2020* documents the rapid growth of clean energy technologies from wind power to electric vehicles. For interactive charts and data showing the rise of renewable energy in your state and around the country, visit <https://environmentamerica.org/feature/ame/renewables-rise-2020>.



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