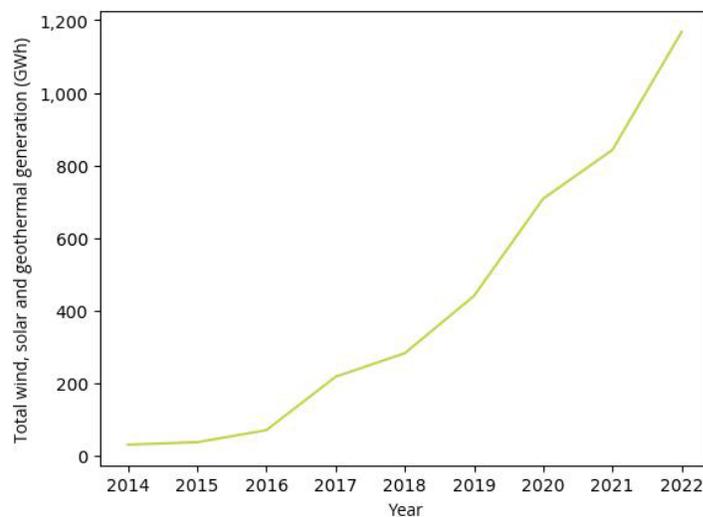


# Renewables on the Rise

Charting Rhode Island's progress toward a clean energy future

**In 2022, Rhode Island produced the equivalent of 15% of the electricity it consumes from solar, wind and geothermal power, compared with just 0.2% in 2013, part of a larger transition toward clean energy technologies.**

- **Solar energy:** In 2022, Rhode Island generated 73 times as much solar power as it did in 2013, enough to power 88,985 typical homes.
- **Wind energy:** In 2022, Rhode Island generated 86 times as much wind power as it did in 2013, enough to power 20,881 typical homes.
- **Energy efficiency:** Energy efficiency measures installed in Rhode Island in 2021 will save 1,032 gigawatt-hours of power over their lifetimes, enough to power 97,059 typical homes for a year.
- **Electric vehicles:** There were 2,144 electric vehicles sold in Rhode Island in 2022, 13 times as many as in 2013.
- **EV charging ports:** Rhode Island had 792 charging ports for electric vehicles at the end of 2022, 11 times as many as in 2013.



More electricity in the state is being generated from the sun, the wind and the earth than a decade ago. (Data: Energy Information Administration)

## The Inflation Reduction Act: Spurring clean energy growth

In 2022, Congress passed the Inflation Reduction Act, which includes key tax credits for renewable energy and electric vehicles, along with other measures to accelerate the transition to clean energy. Together with the 2021 Bipartisan Infrastructure Law, the act promises to spur continued clean energy momentum across the United States.

## Rhode Island has tremendous clean energy potential

According to data from the National Renewable Energy Laboratory, Rhode Island has the technical potential to generate the equivalent of 2.7 times its electricity demand in 2020 from the sun and eight times its annual electricity demand from the wind.

Even in a scenario with high electrification of buildings and vehicles, Rhode Island has the technical potential to generate the equivalent of four times its electricity demand in 2050 from the sun and wind.

## America can accelerate clean energy progress

In Rhode Island and across the nation, America has the capacity to move toward a future powered by 100% renewable energy. To get there, state and federal governments should:

- Adopt 100 percent renewable energy goals
- Provide continued financial and policy support for wind and solar power.
- Strengthen energy efficiency standards and programs to make it easier to repower America with clean energy.
- Invest in technologies like electric vehicles, building electrification and energy storage.

## Renewable energy leadership across America

In 2022, America got nearly 17% of its electricity from solar, wind and geothermal power. That's up from just over 5% in 2013.

Fourteen states produced the equivalent of more than 30% of the electricity they used from solar, wind and geothermal in 2022. That is up from just two states in 2013.

| State        | Solar, wind and geothermal generation as share of electricity consumption |
|--------------|---|
| Iowa         | 83%   |
| South Dakota | 77%   |
| Kansas       | 70%   |
| North Dakota | 65%   |
| New Mexico   | 62%   |
| Wyoming      | 62%   |
| Oklahoma     | 54%   |
| Nebraska     | 38%   |
| Nevada       | 37%   |
| California   | 36%   |

*Top 10 states for solar, wind and geothermal energy production as a share of electricity consumption. (Data: Energy Information Administration)*



Werner Slocum/NREL

## Explore the growth of renewable energy online

Our Renewables on the Rise dashboard allows you to track the growth of key clean energy technologies in your state and around the country. To view the dashboard, visit <http://environmentamerica.org/RhodeIsland/center/resources/renewables-on-the-rise-dashboard/>.

