

THE U.S. CARBON ADVANTAGE IN ELECTRICITY: KEY TAKEAWAYS

- The U.S. has a carbon advantage in electricity generation over most major economies and is a carbon-efficient manufacturer of vital electric infrastructure technologies.
- Since 2010, the switch from coal to gas in the power sector has reduced over 500 million tons of CO₂ globally. The U.S. has led this transition to gas-fired electricity while simultaneously expanding its renewable energy capacity.
- In China, India, and other major manufacturing hubs, the adoption of low- and zero-carbon energy sources has yet to alleviate their heavy reliance on coal.
- The U.S. is also a major exporter of the generators, transformers, convertors, and resistors that the world needs to build robust electricity infrastructure. What's more, the U.S. generates fewer emissions in the production of these technologies than most other major exporters. The U.S. can leverage this carbon advantage in electrical equipment production to enhance exports while advancing global decarbonization efforts.