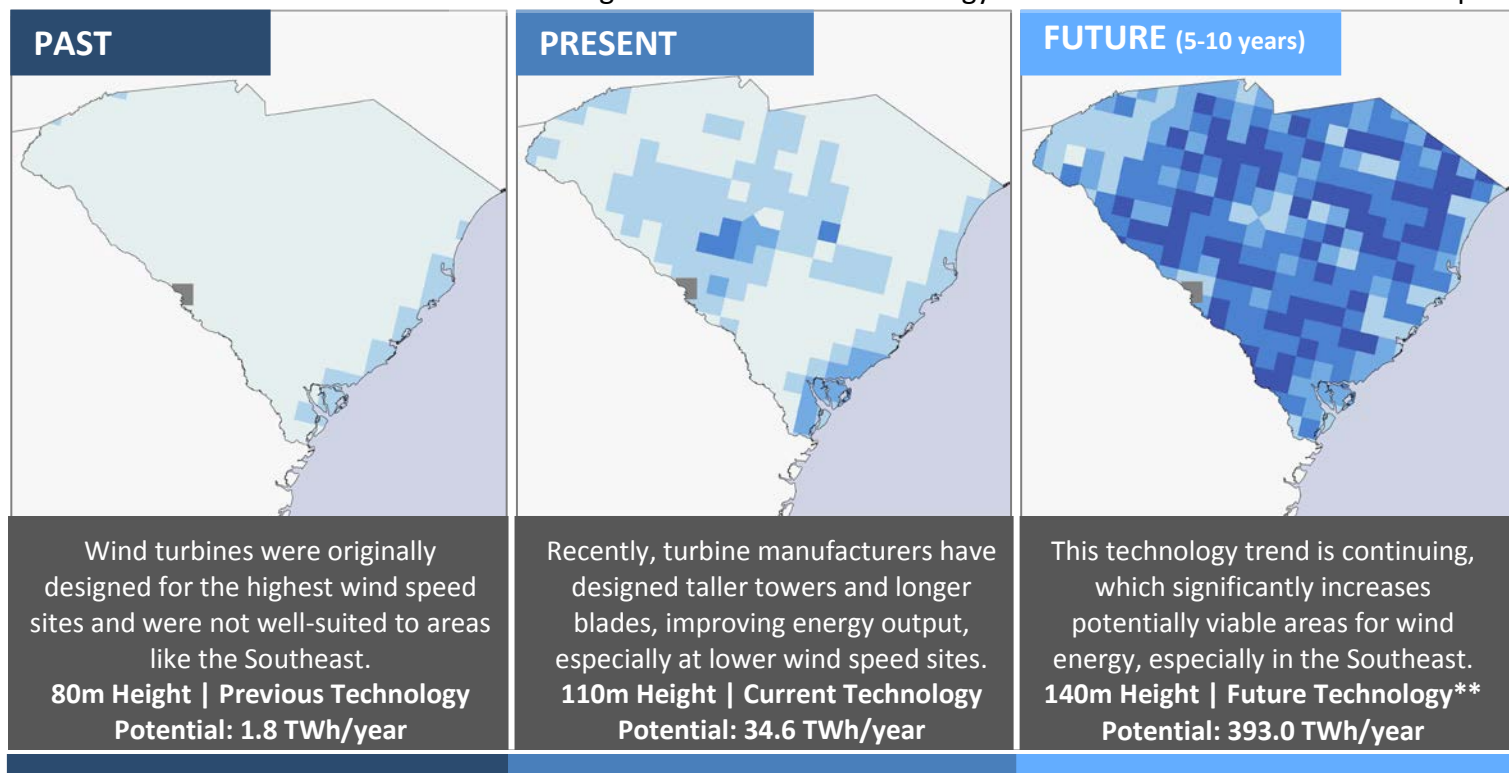


South Carolina Wind Energy Fact Sheet

December 2014

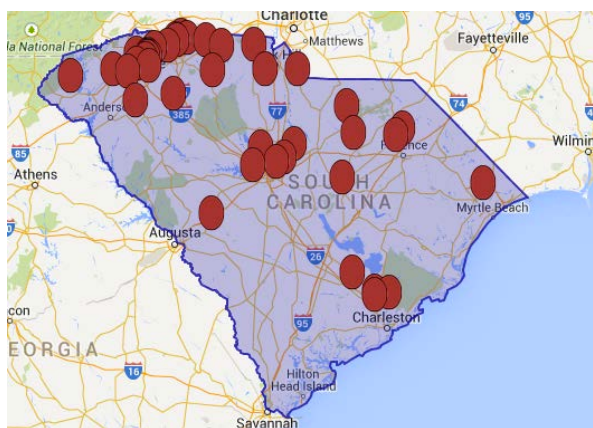
Resource Potential

Maps below estimate areas where wind energy could be economically viable* when using available turbine technology. Not all areas shown can be developed.



Wind Industry Supply Chain

South Carolina is already home to nearly 35 companies and over 40 facilities that are involved in the full value chain of the wind energy industry, even though no wind farms exist in the state. Some notable examples include companies like Prysmian, The Timken Company, ABB, and Sandvik.



Supply chain database under development

South Carolina Electricity Quick Facts

Age of Generatorst

COAL

10 plants
(2,407 MW)
over 40 yrs old

NATURAL GAS

7 plants (517 MW)
over 35 yrs old

NUCLEAR

4 plants
(3,435 MW)
over 40 yrs old

† 50MW and larger

State Rankings

16th

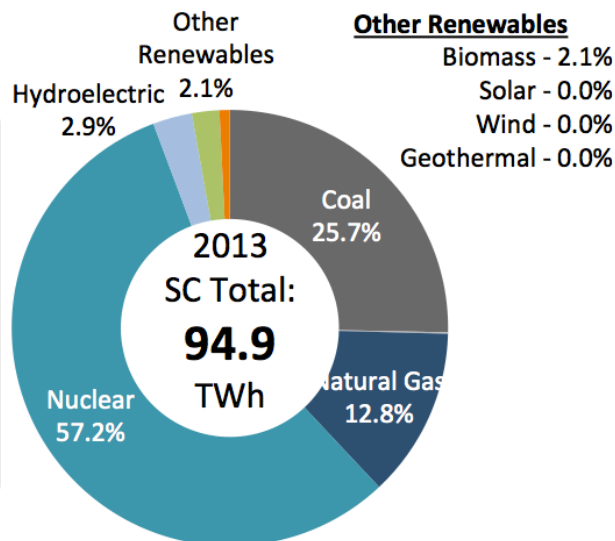
in electricity
generation

26th

in coal
electricity
generation

25th

in total 2012
electric power
CO₂ emissions



U.S. Wind Energy Information

December 2014

Wind Energy Deployment in the U.S.

Top 10 Wind States*

By % of Electricity

1	Iowa	27.4%
2	South Dakota	26.0%
3	Kansas	19.4%
4	Idaho	16.2%
5	Minnesota	15.7%
6	North Dakota	15.6%
7	Oklahoma	14.8%
8	Colorado	13.8%
9	Oregon	12.4%
10	Wyoming	8.4%

By MW Installed

1	Texas	12,354
2	California	5,829
3	Iowa	5,177
4	Illinois	3,568
5	Oregon	3,153
6	Oklahoma	3,134
7	Minnesota	2,987
8	Kansas	2,967
9	Washington	2,808
10	Colorado	2,332

61,110

Megawatts installed

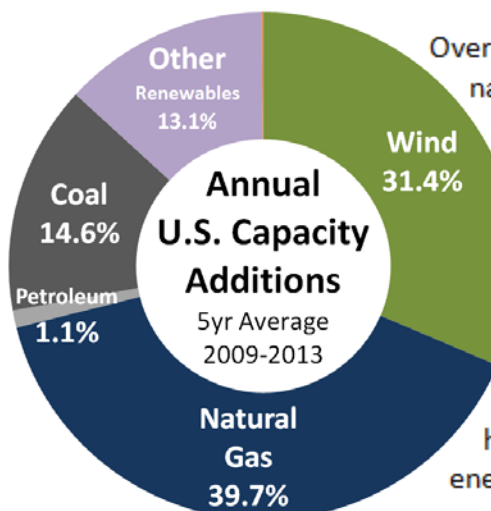
71%

of congressional districts w/ turbines and/or manufacturing

4.1%

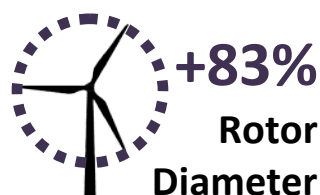
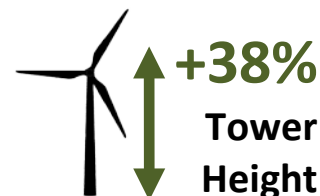
of U.S. electricity from wind

* as of the end of 2013



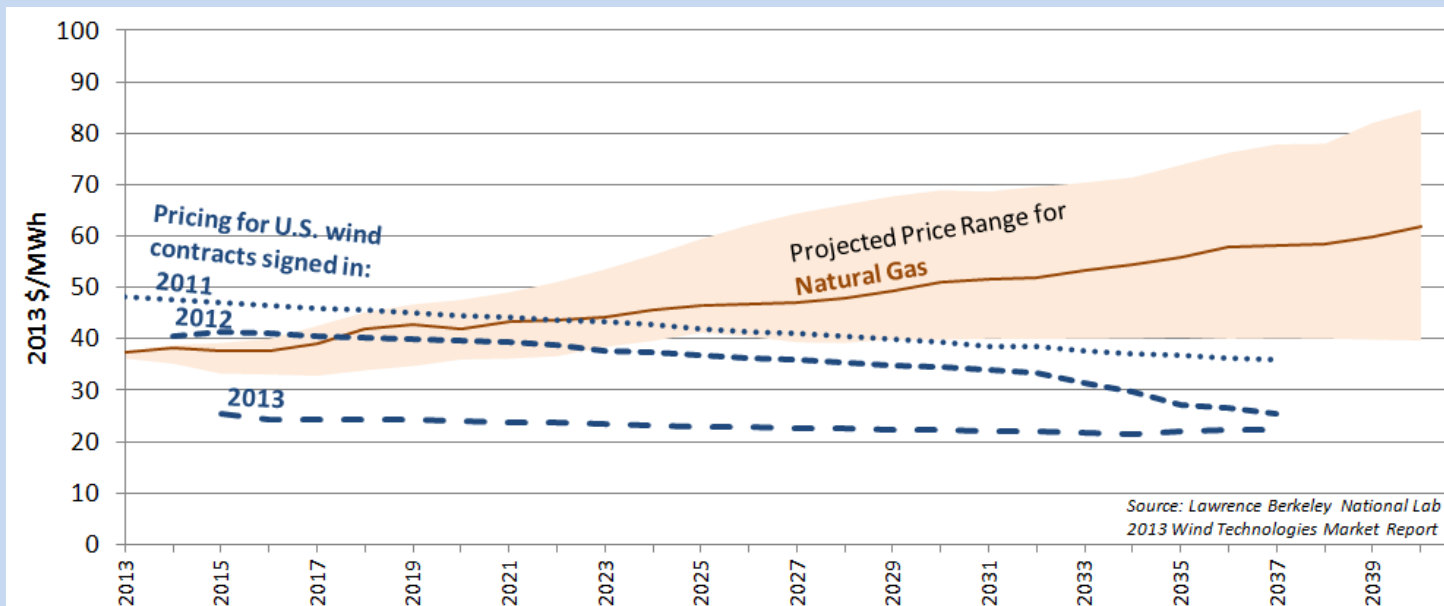
Over the last 5 years, only natural gas has rivaled wind power in electric generating capacity additions. In some regions like the Plains, Midwest, and Northwest, over 60% of new capacity additions have been from wind energy.

Technology Trends Since 2000



Wind Energy's Cost

Recent **wind prices** are **competitive** with expected future cost of burning fuel in **natural gas** plants



With no fuel cost and zero emissions, wind power provides **clean energy** with long-term, **stable pricing** and serves as a **financial hedge** against fossil fuel price volatility and potential future carbon pricing or regulations.