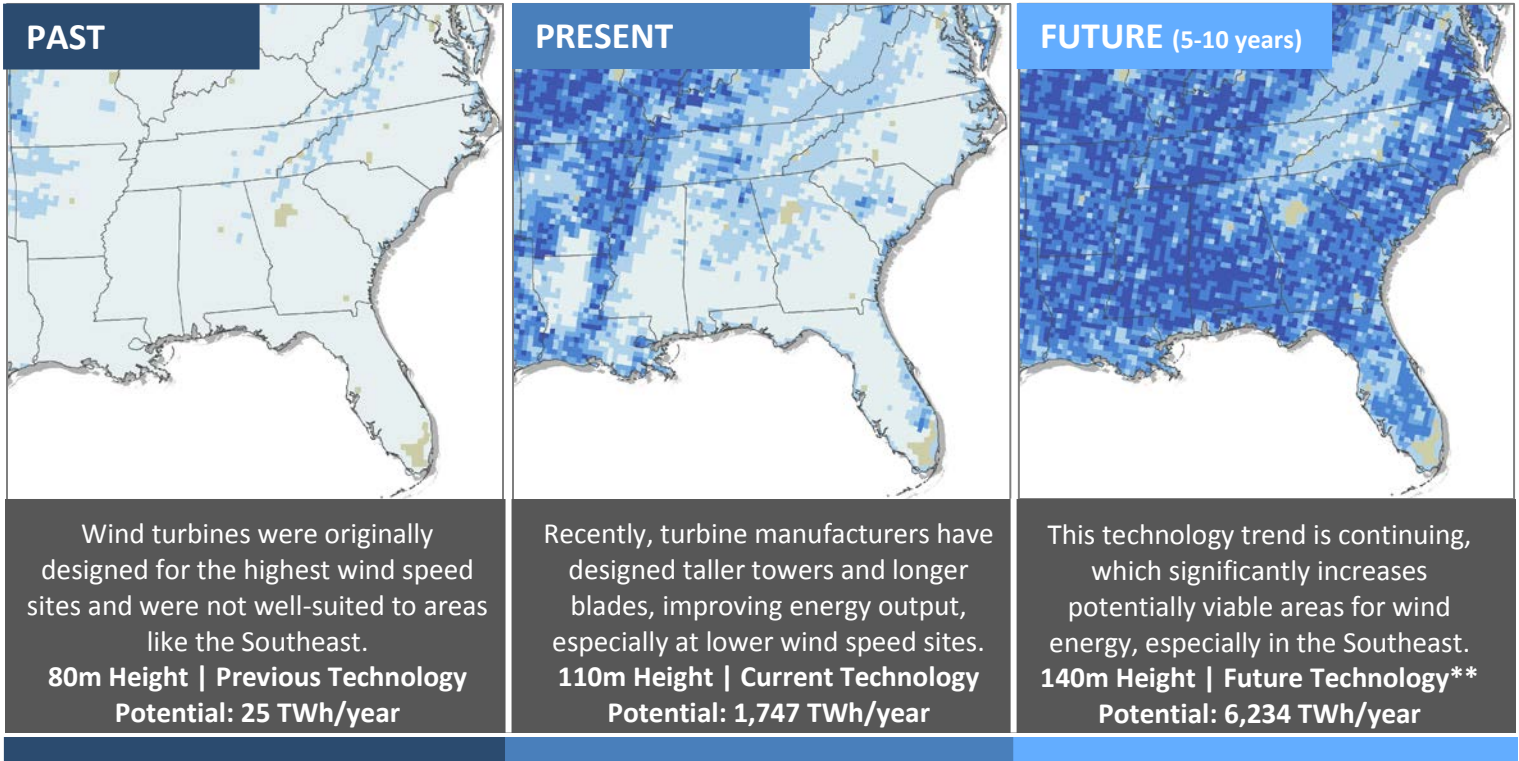


Southeast Wind Energy Fact Sheet

December 2014

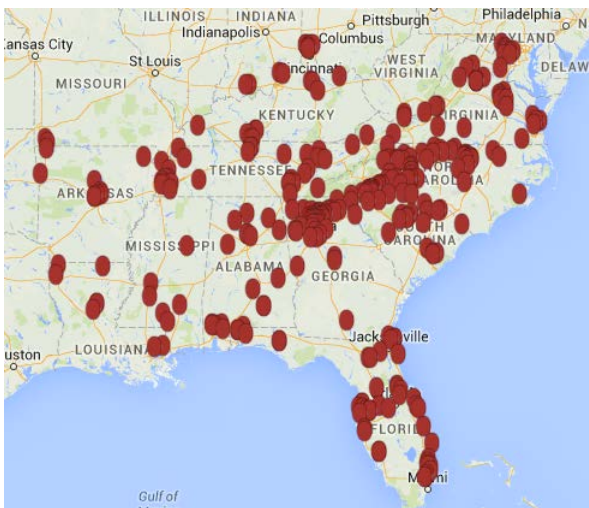
Resource Potential

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

The Southeast is already home to at least 227 companies and 300 facilities that are involved in the full value chain of the wind energy industry, even though almost no utility-scale wind has been developed in the region.



Supply chain database under development
States included: VA. NC. SC. GA. FL. AL. MS. LA. AR. TN. KY

Southeast Electricity Quick Facts

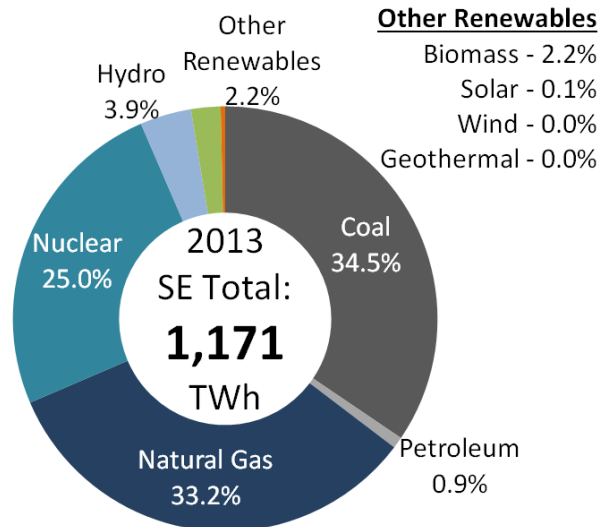
Age of Generatorst

- COAL**
189 plants (54,880 MW) over 40 yrs old
- NATURAL GAS**
98 plants (18,432 MW) over 40 yrs old
- NUCLEAR**
10 plants (8,939 MW) over 40 yrs old

† 50MW and larger

11-State Region Includes

9 States	in the top 20 for total electricity generation	10 States	in the bottom 11 for % of electricity from renewables	4 States	in the top 10 for % of electricity from coal or gas
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Other Renewables

- Biomass - 2.2%
- Solar - 0.1%
- Wind - 0.0%
- Geothermal - 0.0%

Wind Energy Deployment in the U.S.

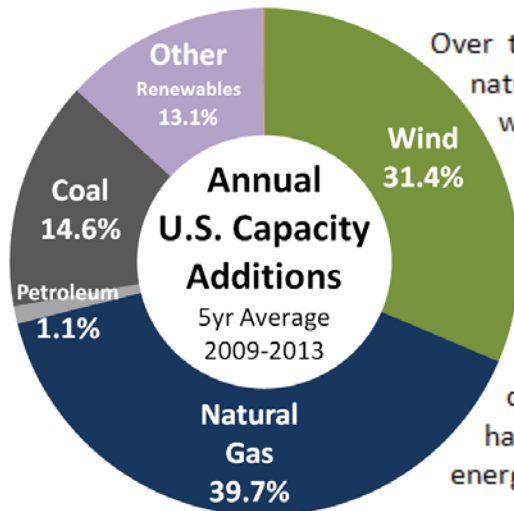
Top 10 Wind States*		
By % of Electricity		
1	Iowa	27.4%
2	South Dakota	26.0%
3	Kansas	19.4%
4	Idaho	16.2%
5	Minnesota	15.7%
6	North Dakota	15.6%
7	Oklahoma	14.8%
8	Colorado	13.8%
9	Oregon	12.4%
10	Wyoming	8.4%
By MW Installed		
1	Texas	12,354
2	California	5,829
3	Iowa	5,177
4	Illinois	3,568
5	Oregon	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

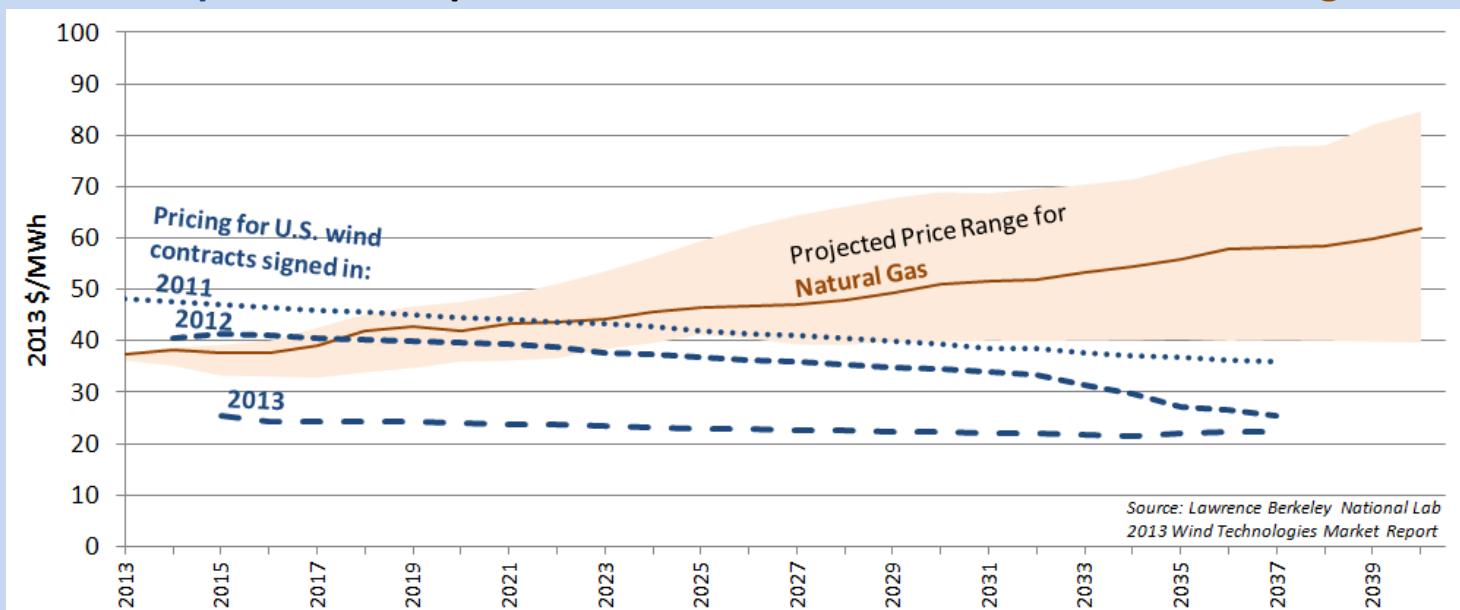
+38%
Tower Height

+83%
Rotor Diameter

+111%
Nameplate Capacity

Wind Energy's Cost

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



Source: Lawrence Berkeley National Lab 2013 Wind Technologies Market Report

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.