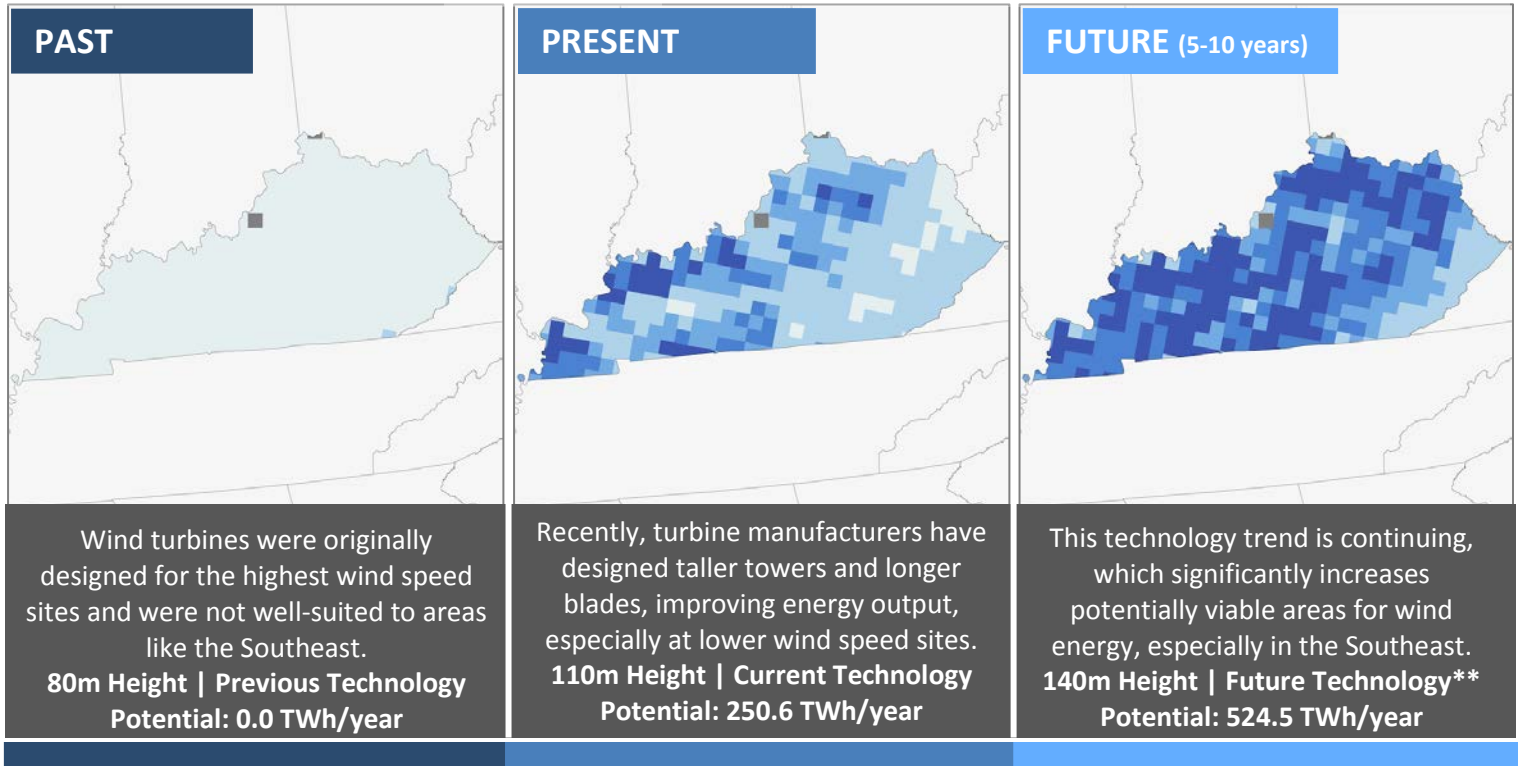


Kentucky Wind Energy Fact Sheet

December 2014

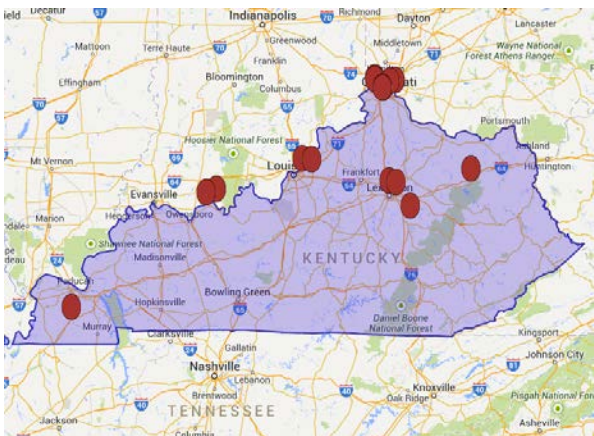
Resource Potential

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



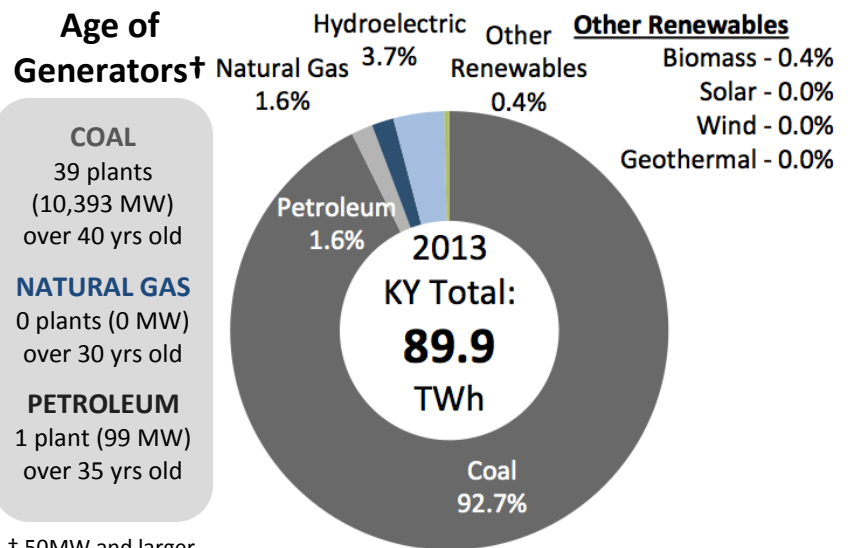
Wind Industry Supply Chain

Kentucky is already home to 15 companies and 16 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 Rotek and Muehlhan Wind Power.

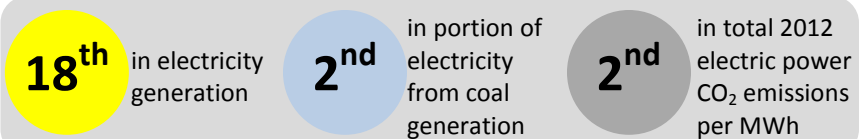


Supply chain database under development

Kentucky Electricity Quick Facts



State Rankings



Wind Energy Deployment in the U.S.

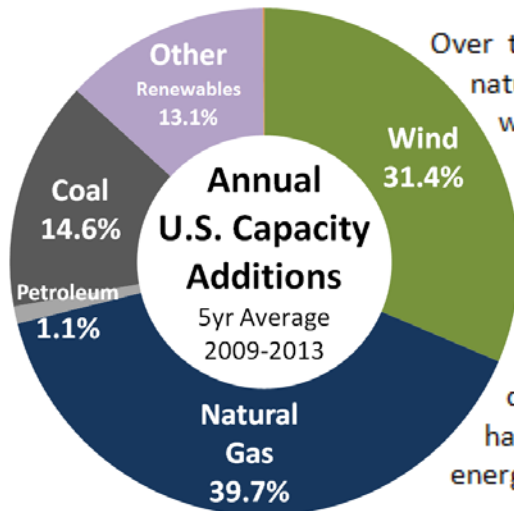
| Top 10 Wind States* | | |
|---------------------|--------------|--------|
| By % of Electricity | | |
| 1 | Iowa | 27.4% |
| 2 | South Dakota | 26.0% |
| 3 | Kansas | 19.4% |
| 4 | Idaho | 16.2% |
| 5 | Minnesota | 15.7% |
| 6 | North Dakota | 15.6% |
| 7 | Oklahoma | 14.8% |
| 8 | Colorado | 13.8% |
| 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

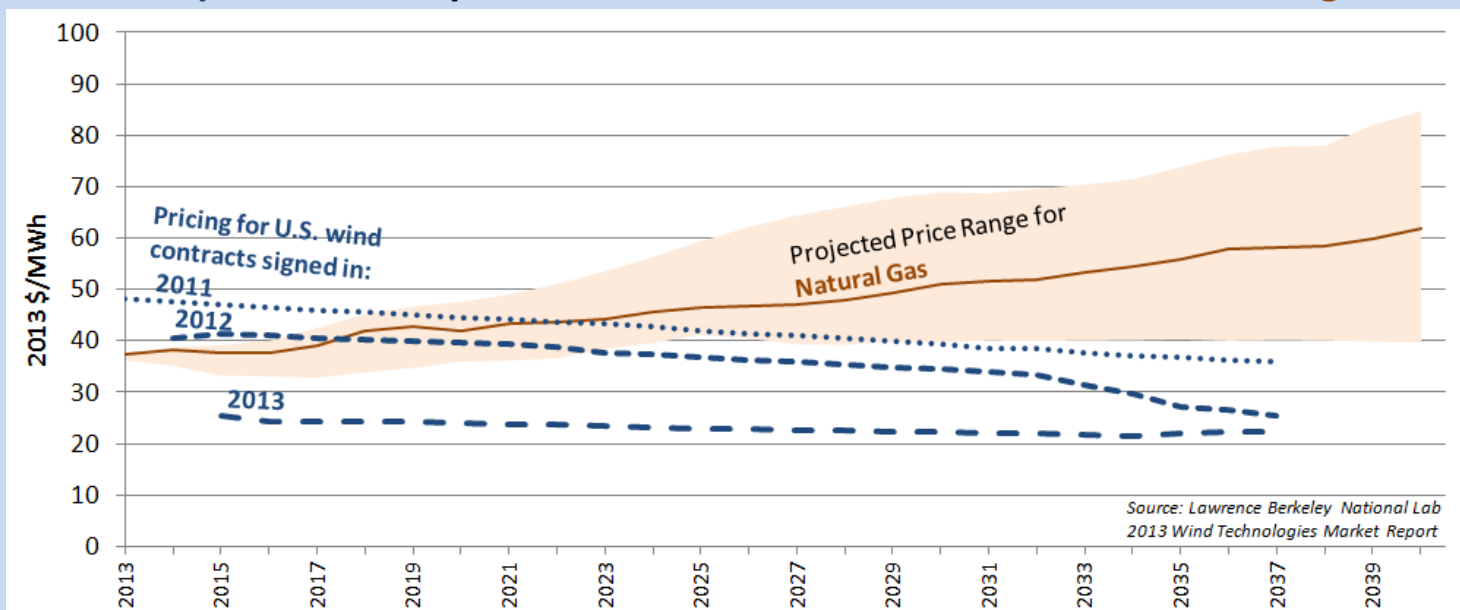
+38%
Tower Height

+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.