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*WV Governor's Energy Summit*

# ***Wind Energy***

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October 11, 2018



# 1829

**Dear Mr. President:**

**The canal system of this country is being threatened by a new form of transportation known as "railroads" ...**

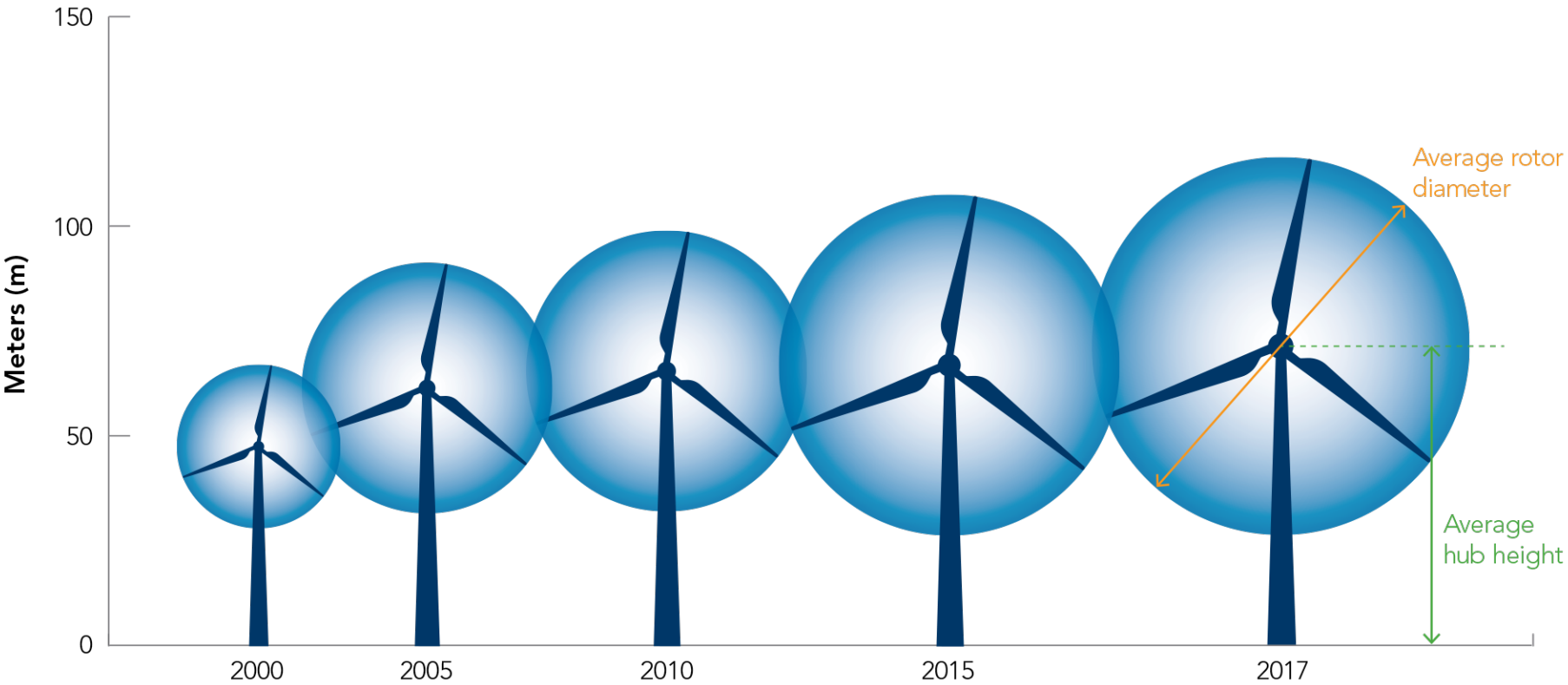
**As you may well know, Mr. President, "railroad" carriages are pulled at the enormous speed of 15 miles per hour by "engines" which, in addition to endangering life and limb of passengers, roar and snort their way through the countryside, setting fire to crops, scaring the livestock and frightening women and children.**

**The Almighty certainly never intended that people should travel at such breakneck speed.**

***- Martin Van Buren, Governor of New York***



Figure 72  
Evolution of the “Average” Utility-Scale Turbine



Year	Average Hub Height (m)	Average Rotor Diameter (m)
2000	58	49
2005	75	75
2010	80	84

Year	Average Hub Height (m)	Average Rotor Diameter (m)
2015	82	102
2017	86	113

# Questions

