



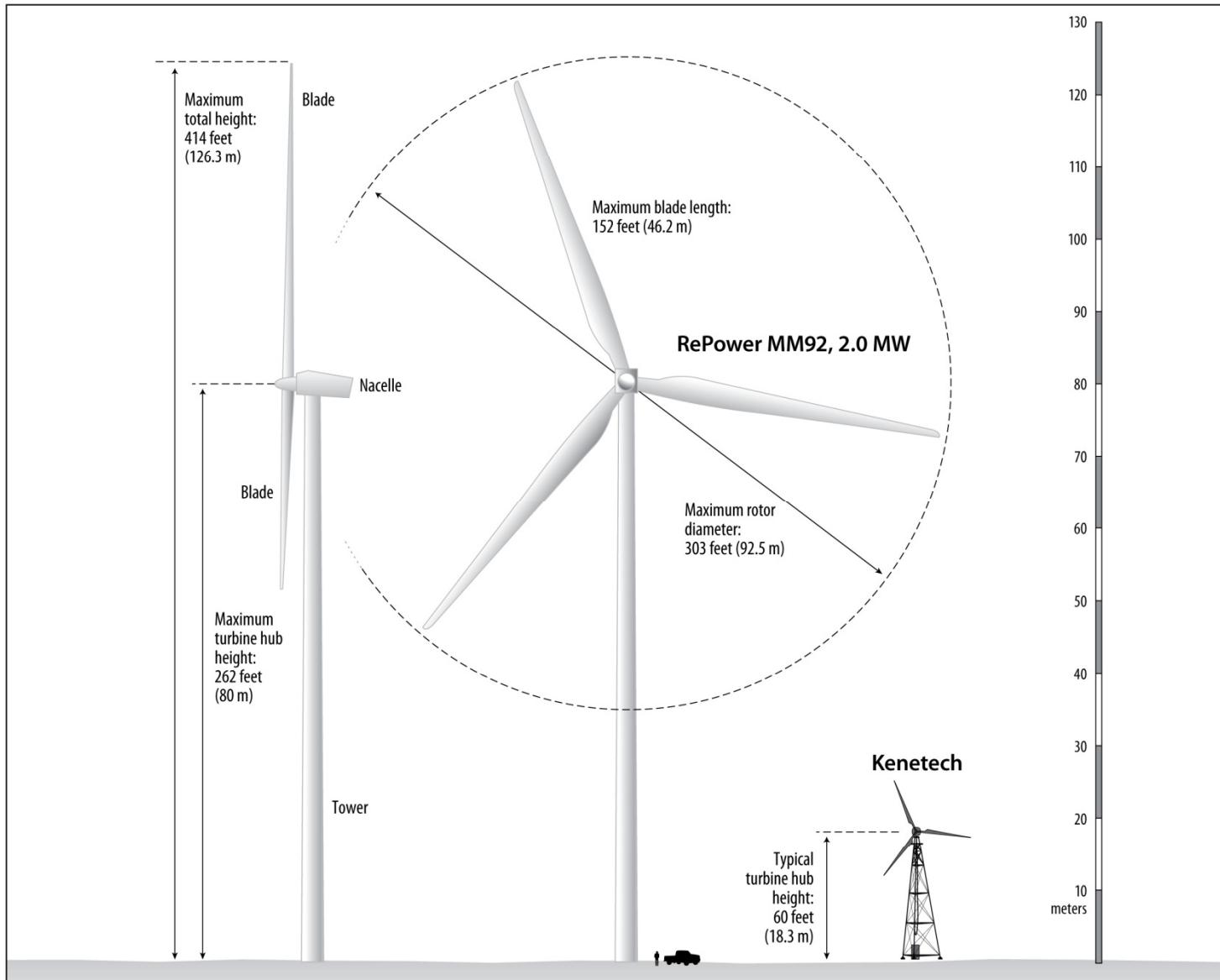
Rick Miller

Nuts and Bolts of Wind Energy: Notes from the Field

December 7, 2011



Repowering Schematic



Old versus New



Vasco Road Existing Condition



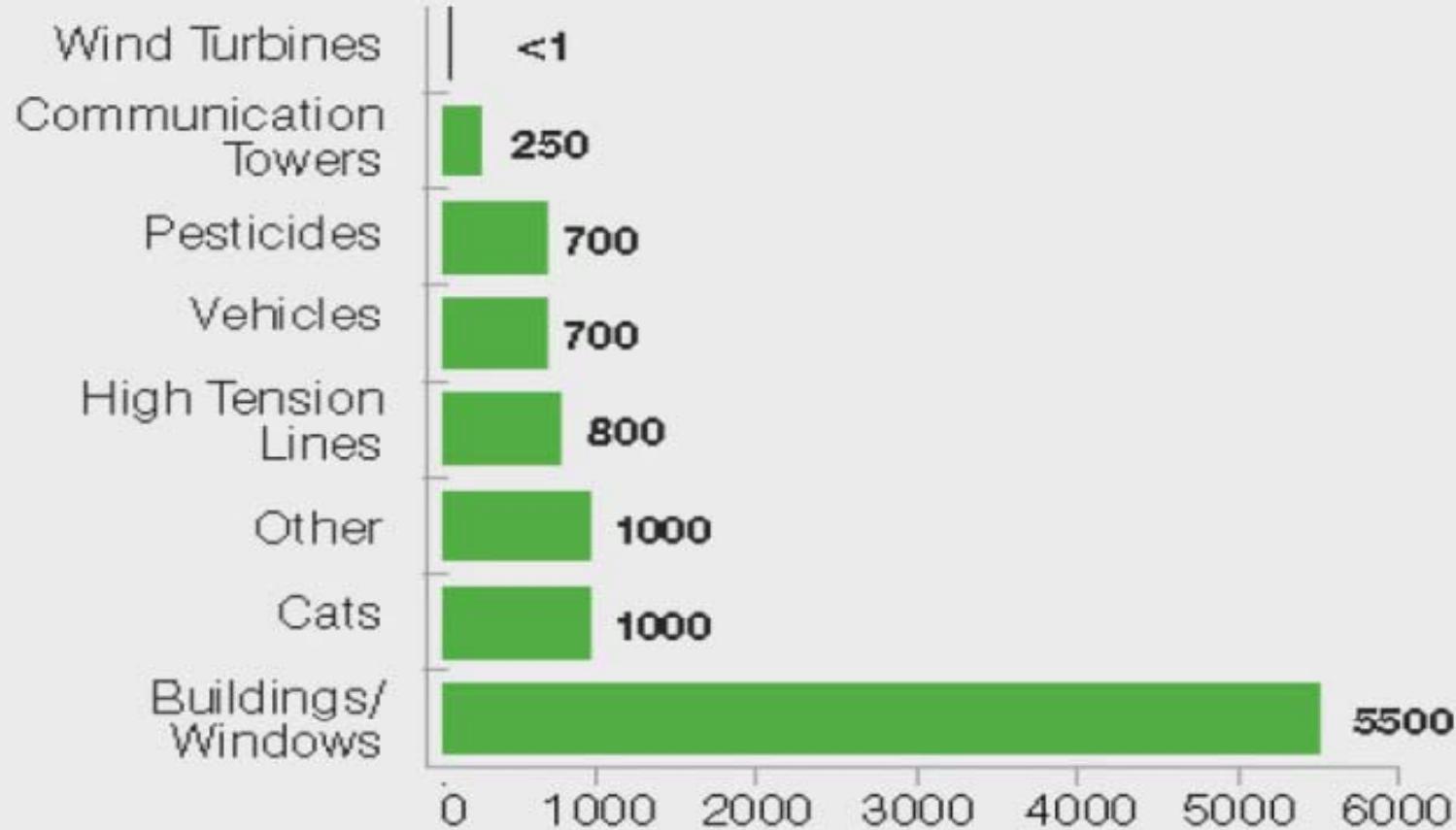
Vasco Road Visual Simulation: GE 1.5 XLe



Current Wind Development Practices:

- Pre and post construction avian/bat monitoring
- Seasonal constraints for nesting birds
 - No guy wires on met towers
 - Reduce siting on ridge tops
 - Reduce siting in migration corridors
- Compensation for loss of foraging habitat
 - Adaptive Management Practices

Causes of Bird Fatalities, Number per 10,000 fatalities



Data Sources: Erickson et al., 2002. , Summary of Anthropogenic Causes of Bird Mortality.