PROS

Wind Energy costs \$20/MWH₂

Coal Fuel costs VS 6 \$109/MWH₁₀

around the country

In the last 5 years, Wind Energy costs have decreased

while fossil fuel costs

reaches your home

A single

1-megawatt wind turbine in one year

can offset 1,800 tons of CO2 produced from burning coal and

Planting 1 square mile of forest

have increased 2

CONS

In 2012, there were

600,000 bat fatalities

due to sounds emitted from U.S. wind farms





Approximately 200,000 Birds are lost per year due to blade collision in the U.S. 3

THE FUTURE

The Vortex Bladeless

A BRAND NEW bladeless wind turbine that utilizes the swirling motion of the wind to shake the structure back and forth. At the base of the cone are two rings of repelling magnets and when the structure sways one way the magnets go the other which creates kinetic energy that is turned into electricity. 6

No blades=No bird collisions

Is Bladeless



It emits little to no sound and

🔛 doesn't disturb bats 7 Overall it less than the costs

standard wind 40% turbine and still vields similar environmental benefits on CO2 emissions 6

1) The U.S. Department of Energy 2) American Wind Energy Association (AWEA) 3) AWEA 4) Oxford Bioscience Journal 5) (Image and Information) Office of Energy Efficiency and Renewable Energy (EERE) 6) Wired 7) New Atlas 8) EERE 9) The Vortex Bladeless 10) Nuclear Energy Institute 11) U.S. Energy Information Administration