

WIND TURBINE RECYCLING By Reuse “Accelerate” PRIZE

Entry by Rockwind Venture Partners

Recycle Wind Turbines by Complete Reuse of the Decommissioned Turbines in Distributed Energy

Applications

*Rockwind proposes a significant solution to the problem of recycling the wind turbines by **reusing the entire wind turbine** in distributed energy applications. The current decommissioning process is total scrapping.*

There are over 70,000 utility scale wind turbines currently installed in the United States. They will all face decommissioning someday, meaning disposing of millions of tons of steel and fiberglass. Over 2000 of them are less than 1 megawatt in size and are typically over 20 years old.

Wind turbine technology has advanced rapidly in terms of size with today’s new onshore wind turbines are over 4 megawatts and much more productive than the less than 1 megawatt wind turbines; but the smaller wind turbines are perfect for on-site distributed energy work. They are our target turbines for our advanced technology refurbishment and reuse.

Rockwind has demonstrated this with 2 refurbished 600 kw wind turbines now running for 10 years.

It is now time to scale up by taking entire decommissioned windfarms and refurbishing to state-of-the-art standards – AND NOT SCRAPPING

That is the effort we are proposing for the HeroX Phase 2 prize

