

## Re: Wind energy a boon for farmers – tenfold returns !

**Source:** <http://sci.tech–archive.net/Archive/sci.physics/2004–12/0017.html>

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**From:** bw ([bwegher\\_at\\_hotmail.com](mailto:bwegher_at_hotmail.com))

**Date:** 11/21/04

Date: Sun, 21 Nov 2004 02:13:16 -0600

"Dean Hoffman" <[dh0496@ineINbrasVALkaID.com](mailto:dh0496@ineINbrasVALkaID.com)> wrote in message  
news:BDC551FE.63D04%[dh0496@ineINbrasVALkaID.com](mailto:dh0496@ineINbrasVALkaID.com)...

> On 11/20/04 4:44 AM, in article [CPKdnSV2V5WFtQLcRVn–vg@rcn.net](mailto:CPKdnSV2V5WFtQLcRVn–vg@rcn.net),

> "[jmfbahciv@aol.com](mailto:jmfbahciv@aol.com)" <[jmfbahciv@aol.com](mailto:jmfbahciv@aol.com)> wrote:

>

>>

>> *I hear they exist. So far I haven't heard of any that have lasted*

>> *for more than 20 years. I am assuming that they're so new that*

>> *none of the usual post–partum reports can be done because*

>> *they haven't been in service long enough.*

>>

>>

>> */BAH*

>>

>> *Subtract a hundred and four for e–mail.*

>

> *A search for oldest wind turbine turned up a project by Princeton, MA.*

> *The article said they are replacing the original turbines installed in*

> *1984.*

> *The new ones will produce 40 times the power of the old ones. It doesn't*

> *say if the old ones are being replace because of efficiency or because*

> *they're getting worn.*

> *Think about sea going vessels. Those things last for years. I think*

> *it*

> *was the USS Missouri that was used during the Vietnam war. It was on that*

> *ship that the Japanese signed surrender papers to end WWII.*

> *Here's the link for the Massachusetts wind farm:*

>

> [http://www.newwindenergy.com/windfarm\\_map.html](http://www.newwindenergy.com/windfarm_map.html)

>

> *Dean*

New Jersey was activated during the Vietnam war.

What does a 1940s battleship steam turbine have anything to do with any wind turbine?

sci.physics: Re: Wind energy a boon for farmers – tenfold returns !

Rural farm water pumping windmills can last for decades, but so does anything designed to last for decades. Aircraft wings have design lifespans (thousands of hours ?) based on operational safety factors, economics, weight, but not longevity. I'm sure that a modern HAWT could be designed to last as long as you wanted it to last, but not that it would satisfy economic design criteria.