

**From:** Larry Goodman [<mailto:larrygoodman4@gmail.com>]  
**Sent:** Sunday, September 18, 2016 2:34 PM  
**To:** Monroe, Pamela  
**Subject:** SEC Docket # 2015-02-Antrim Wind

Dear Ms. Monroe, Subcommittee Chairman Scott & Antrim Wind Committee Members,

I think you'll find that each one of these articles is relevant to your deliberations on Antrim Wind.

If the intended purpose of installing 50 story turbines throughout NH and NE is to fight climate change and lower emissions.....then the article below provides some broad and factual perspective on those topics.

[http://www.nytimes.com/2016/07/20/business/energy-environment/how-renewable-energy-is-blowing-climate-change-efforts-off-course.html?\\_r=0](http://www.nytimes.com/2016/07/20/business/energy-environment/how-renewable-energy-is-blowing-climate-change-efforts-off-course.html?_r=0)

If there is any thought about wind "replacing" gas in NE.....the article below should quickly dispel it.

More wind actually requires more gas capacity as I read the ISO-NE Wind Integration Study.

[https://www.washingtonpost.com/news/energy-environment/wp/2016/08/11/turns-out-wind-and-solar-have-a-secret-friend-natural-gas/?utm\\_term=.c592df800f4d](https://www.washingtonpost.com/news/energy-environment/wp/2016/08/11/turns-out-wind-and-solar-have-a-secret-friend-natural-gas/?utm_term=.c592df800f4d)

Lastly, since Europe is, arguably, "leading" the US in wind turbine deployment and since "emulating Germany" was actually mentioned in New Hampshire's most recent comprehensive energy plan done for OEP by Navigant.....the two articles below are both germane and timely. They both were written after the Navigant plan was done.

<http://watchdog.org/270800/europe-wind-energy-failures-bad-omen-for-vermont/>

<http://www.wsj.com/articles/germany-puts-brake-on-renewable-energy-expansion-1467989010>

The big electric sector emission reductions in NE from 2005-2014 were a function of nuclear and gas replacing coal and oil as I read the EIA and ISO-NE data. The 7% rise in 2015, after a decade of stellar reductions, looks to me like we may be assuming non-baseload renewables can replace lost baseload capacity.....which, as I read the ISO-NE Wind Integration

Study, will never happen.

Please note that, with the exception of the WSJ, all these articles come from sources considered to be progressive.

More important than their ideology.....are the sources and the factual non-partisan metrics they cite. If wind energy is working.....why do these numbers look the way they do; and will our 2015 rise in emissions here in NE follow the examples in the first article above which cite big bets on wind { Germany } and evidently rising electric sector emissions.

Thanks for your time and consideration.

Larry Goodman