

Planned Testimony of Joseph R. DeMare, Political Director of the Ohio Green
Party

To be presented before the Ohio House Energy Subcommittee 4/23 or 4/24, 2019

I. Introduction

Good Day, and thank you to the subcommittee for hearing my testimony. My name is Joseph DeMare, and I am the Political Director for the Ohio Green Party, and am empowered to speak for the Party on matters pertaining to Ohio's nuclear plants. The Green Party is a political party based on ten Key Values including Ecological Wisdom and Future Focus. Last week I watched the testimony before this subcommittee from a string of nuclear power industry members and supporters, and was frustrated to hear a string of half-truths, omitted information, and outright falsehoods, and that's why I requested to speak before the Committee, today. I don't have the time to counter every falsehood, but I would like to counter some of the most serious ones. Specifically, most of the witnesses last week characterized Germany's switch to renewables as a failure. Exactly the opposite is true, as I hope to show you. Also, the claims of economic harm if the plants are closed are not true, and finally there were several miscellaneous half-truths that I'd like to correct for the record.

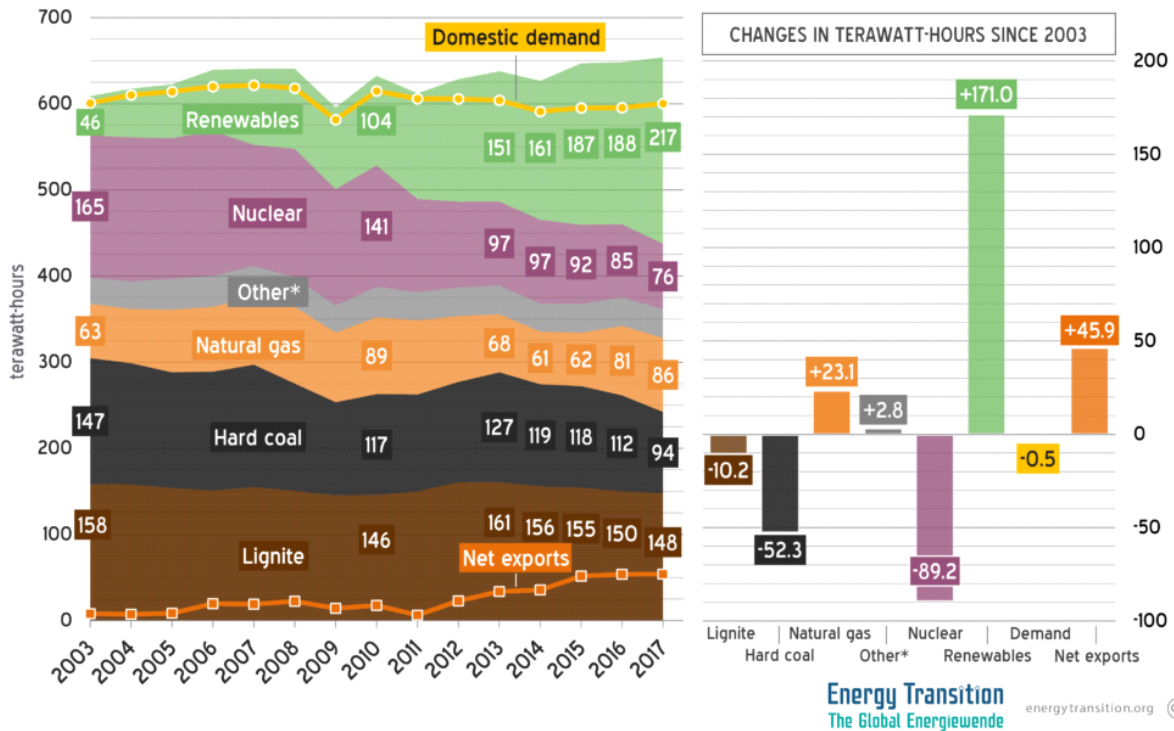
II. Germany's Success with Renewables.

A: Renewables have easily replaced nuclear generation

Renewables and power exports hit record high in 2017

Electricity generation, demand & exports in Germany, 2003-2017

Source: AGEB (August 2017) | *Oil, waste, etc

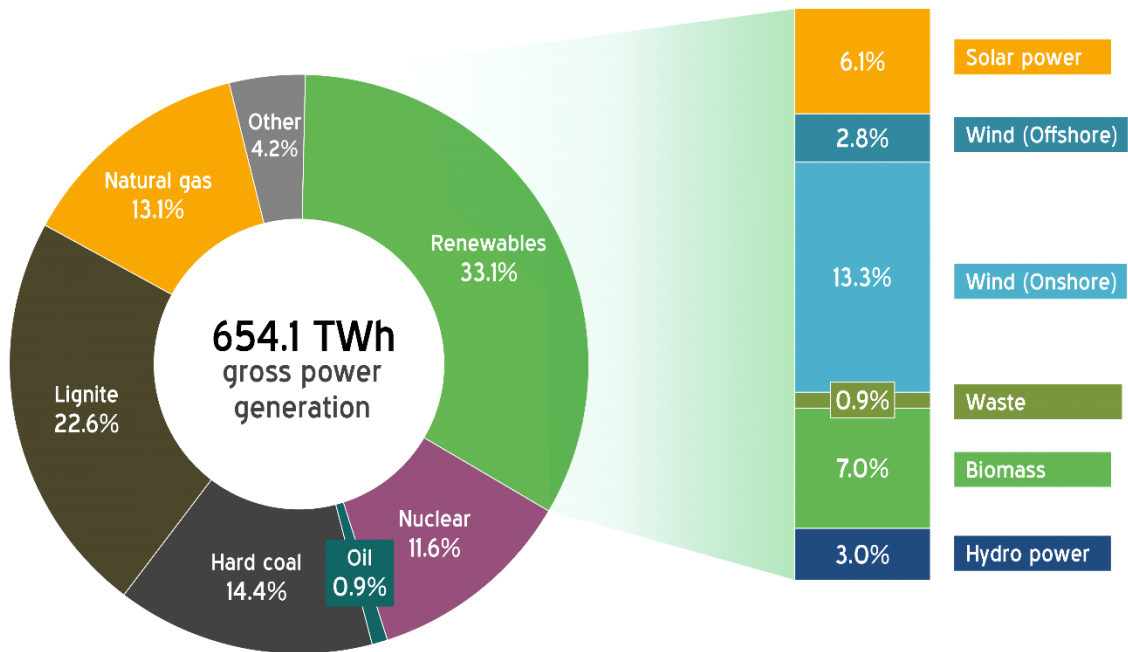


B. Germany has exceeded its goals for renewable generation

Germany reaches 33.1 percent renewable power in 2017

Gross power generation mix

Source: AGEB



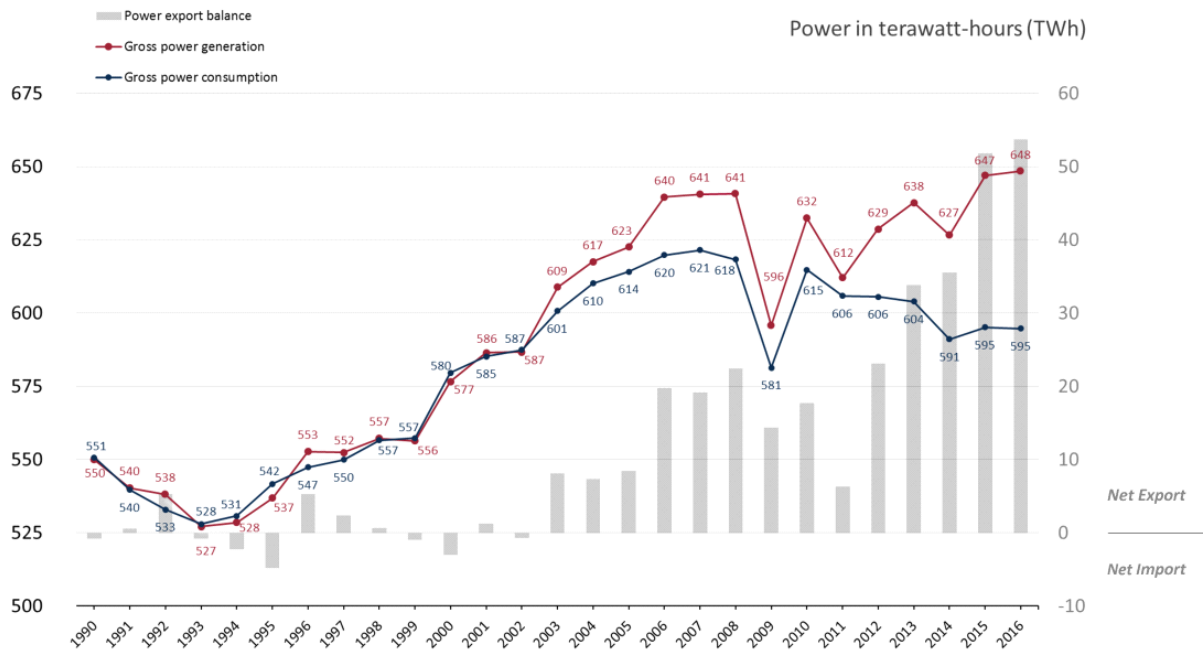
Energy Transition
The Global Energiewende

energytransition.org BY SA

C. Germany has gone from a power importer to a power exporter

German power export balance 1990 - 2016.

Data: BMWi 2017.



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II. Other Inaccuracies

A. Dirty Power - Heat pollution 90% of the nuclear energy is wasted as heat speeding eutrophication and greenhouse gas emissions. Ohio's nuke plants are leaking. Tritium pollution threatens our \$7 Billion dollar Lake Erie fishery, recreational tourism

B. Terry Joyce, claiming Ohio's nuclear plants would be taken "offline prematurely." Davis-Besse is already operating beyond it's 40 year designed life span, increasing numbers of accidents and unplanned outages. Plants are beyond safe shutdown point.

C. Unplanned outages: Myth of "baseload power" disproven in Germany. Nukes provide too much power, inflexible in times of low demand, increasing numbers of dropouts cause huge strain on the grid.

III. Economic harm.

A. Lake County loss of tax revenue just a foretaste. County needs to switch to other sources of revenue. Hundreds of wind turbines would generate as much or more tax revenue than nukes.

B. Increase in price: Dean Murphy Brattle Group looked at costs over past 10 years, but wind and solar are dropping in price, daily. They now cost less than any other form of generation. There is a difference between investment and wasting money. Bowling Green turbines took almost ten years to pay off, but are now generating at half the market rate.

IV. Conclusion: Lies Vs. Truth

List of nuclear industry lies Vs. fundamental truths about wind and solar.
Industry claims 38 years ago that nuclear waste problems were solved.
Deciding what the future will be, contaminated with radiation, or clean?