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I was asked again and again why I claim that the " energy transition " in Germany failed. I should clarify that.

The energy transition was started in 1998 with very specific goals. It should make energy supplies cleaner and environmentally friendly, democratize them, reduce their carbon footprint, reduce import dependence on energy raw materials; stop using nuclear energy and reduce the cost of manufacturing solar panels and wind turbines.

Germany actually paid about half the world's learning curve for solar cells, that's right. It will be similar in the case of wind, I don't trust myself with any statement about that. This is the only goal that the EEG has achieved: the significant reduction in investment costs for wind and solar power plants.

All other goals have not been met and I believe that firstly, the energy transition must actually be considered failed and that the foreseeable system error is:

- CO2 emissions in the power generation sector have barely decreased, while other sectors have not been affected by the energy transition. The result is significantly higher per capita emissions than e.g. in France where there was a real energy transition. That's no wonder either. The share of CO2-free electricity has been more or less constant since 1990 Even after 20 years of EEG and an almost complete nuclear exit, nuclear power still supplies more energy to the power grid than all solar systems combined. With the full nuclear exit in just under two years we will be 50 m Tons of CO2 emitting more - annually.
- The Mar, that environmental energy is environmentally friendly and sustainable per se, does not withstand a review. Those who rely on millions of inefficient small and small power plants instead of few large power plants multiply the consumption of resources, area and landscape. There's nothing " eco " or " green " about this. Mining alone for the additional amounts of steel, lithium, rare earths etc. destroys entire areas, except here in Germany. It looks similar in this country to plant thousands of square kilometers alone in Germany with chemical-intensive monocultures of rape and maize to gain energy from it. This is a blow to biodiversity that we should end quickly. The situation of birds of prey is not helpful thanks to wind turbines and that in offshore wind turbines the foundations are anchored with thousands of 200 dB loud bumps that destroy the hearing of the protected pig whales and then starve many of them, and that the sense of orientation is disturbed by fish due to the undersea current cables, there is still little attention in this country.
- Import dependence on energy raw materials is high unchanged, and according to all Institutes energy transition studies, we will continue to have to import more than 80 % of our energy, in the form of electricity and hydrogen. We will only import from other countries, but have similar political stability values to the producing countries of fossil energy raw materials.
- Building an energy industry went wrong. Siemens has had to cut down many jobs, including in industries where the company was the world's leader, and similarly, many other companies did. The solar industry has perished from home-made flaws, especially because it only doubled its production capabilities, but didn't make sure it developed the world's best cells in terms of efficiency and ease of maintenance (Total Lifetime Cost).
- The democratization of the energy sector has hardly made progress except for PV systems on the roofs, which do not contribute much to the energy supply. There are individual " citizen wind farms ", but many of them are in the hands of large companies, with a few alibi investments from private investors. This can't work either: No energy system requires as much centralized planning as one that relies on weather-dependent environmental energies. These require that anyone should think very carefully about which regions which type of

environment energy is produced wisely and how electricity routes must be placed cross and cross across the continent so that energy arrives with consumers as needed.

- The energy transition should lead to an early reduction in national energy costs after initial high investment costs. There is nothing of this that is systematic in turn. If you depend on the weather, you can't expect full supply at the same time. In order for this to be achieved, it takes enormous investments in other infrastructure, which will always double the cost of a thermal power plant-based energy generation system. (With saving, it's more like a duplication of costs.))

- The yellow vest protests in France, which have inflamed themselves to uneven energy costs, are a sign that a strategy of systematic energy growth meets social limits. The 300.000 power shutdowns in Germany every year are also a worrying sign in this direction. The social balance sheet of the " energy transition " is therefore devastating.

- The energy transition has even started a gigantic redistribution machine from bottom to top. At the same time, it was so cleverly constructed that it cannot be complained before the Federal Constitutional Court. Since the feudal era, there hasn't been such a reckless looting of the socially weak by the upper class. Energy policy as a whole costs citizens more than 100 billion euros per year in levy, taxes and levy, which are transferred to all products. One third of the German population has a household income of less than 30.000 euros gross, a thousand euros per capita play (!) a significant role in energy cost.

- The energy transition was only ever constructed as a turnaround. A shift in mobility and the switching of industrial process energy to low-emission methods is sought after in politics but not really addressed. Weather-dependent ambient energies with their far too low energy density and volatility will not be able to deliver the amounts of energy required by a modern industrial society, either in quantity or in accordance with requirements.

These are the reasons why I personally consider the energy transition failed. Almost all the goals that were originally hoped for with her could not be achieved, and some necessary goals were not even formulated. So the energy transition has failed because of its own goals and metric, not based on the slander of its opponents. Therefore, you have to rightly put them in geese feet, because nothing was " turned " and a lot of damage was done.