


Commenter #7

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Wind Turbines are toxic not clean, Facing a potential ecological Nightmare. Every turbine destroys 3 acres of land; roughly 21,000 acres of FARM LAND lost forever. Wind Turbines near water from local aquifers, streams & rivers have the potential for contamination once built. Wind farm is not "Green Energy". The turbine rotors require an excessive amount of oil to turn...as they turn they cause vibrations allowing the oil to move down the turbine into the soil. Wind Turbines to be dismantled at the end of their life cycle estimated that a turbine, depending on size, will cost \$400,000 to \$1,000,000 to dismantle. Plans as to where to dispose these materials end of 10-20 years, faced with a landscape of old, rusted out, broken down turbines., who is responsible for the costs of building the landfill sites or depots? Wind turbines are highly toxic to the environment when the life of the turbine ends and remains abandoned will be ecosystem strain. Each turbine constructed requires at least a couple THOUSAND pounds of Rare Earth Elements (REEs; China still produces 86 percent of the world's supply of Rare Earth Elements in 2014 and close to 60 percent of American supply was imported. Note: Per UNICEF mining cobalt material 40,000 children worked in mines in Africa, material purchased by china, battery then made in Korea, The mineral security of our nation directly affects everything in Americas economic competitiveness. Each turbine construction consists of 800 tons of cement for support, approximately 250 tons of unrecyclable materials, 700 liters of hydraulic fuel and, 600 kilograms of Rare earth elements Multiply 600 kilograms of Rare earth elements by number of Windfarms in America, There is no data on the effects of a 650 feet turbines placed inland; the new turbines are bigger, louder and more powerful than any turbines placed inland to date. Nuclear, hydro, & gas is clean, cheap and has a 100% reliability, but wind (with 20-30% reliability) is given priority . When produced, wind power has to be used immediately; there's no technology to store it for a later time. There is excess power almost every hour of every day, owners must scramble to find a users. Because wind power is so unpredictable, wind and solar power initiatives were decided and implemented in such haste that "no comprehensive business-case evaluation was done to objectively evaluate the impacts of the billion-dollar commitment, example Nuclear power costs 6.8 cents per kwh, period. Wind power costs 11-13.5 cents per kwh, plus all other costs . Nuclear can provide approximately 12,947 mwh 24/7 but sadly wind project has the potential of providing 16%-30% of time , Placing turbines on a mountain top or natural forest surrounding the cleared land puts yet area in jeopardy from fire. Wind turbines catch fire! Highly flammable materials such as hydraulic oil and plastics are in close proximity to machinery and electrical wires. They ignite a fire when they overheat or are faulty. An immeasurable amount of oxygen, in the form of wind, can quickly fan a fire inside a turbine. Lightning strikes: The simple fact is, a metal structure many stories high on a mountain or rural area with frequent lightning storms is going to get hit and catch fire. Once ignited, the chances of fighting any blaze is diminished due to: 1. the massive height of the wind turbine 2 the remote area proposed 3, The closest fire department is generally miles away, rural communities are comprised of volunteers . In 2014 the College London, the University of Edinburgh and SP Technical Research

Institute of Sweden carried out a global assessment of the world's wind farms. Fire has accounted for 10 to 30 per cent of reported turbine accidents. Wind Turbine projects literally steamrolling the objections of a growing chorus of resistance. With substantial subsidies from Washington D.C. building this wind farm in an area with a poor wind rating profits only go to Billionaire. Each year, wind turbines are responsible for the death of 1.4 million plus birds and bats - in just two months at the Backbone Mountain wind farm in West Virginia, 2,000 bats were chopped to pieces by the turbines. When federal investigators discovered the carcasses of 38 golden eagles and 336 other protected birds at two wind projects in Oregon, PacifiCorp Energy was assessed a \$2.5 million fine for violating the Migratory Bird Treaty Act. *Ⓢ

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