15 Questions That Will Put an end to the ‘Climate Scare’ Once-and-For-All

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To support the growth of health and prosperity worldwide for the 8 billion on this planet in the coming decades, and the increasing demand for electricity, and for the 6,000+ products in our materialistic society, and for the various transportation fuels will challenge humanity’s creativity to support the supply chains to meet those growing demands.

Government-mandated winners and losers are only applicable to those few in the wealthier countries that can afford huge subsidies, but the reality is that there are no silver bullet answers.

For those outside the few wealthy countries, we see that at least 80 percent of humanity, or more than six billion in this world, are living on less than $10 a day, and billions are living with little to no access to electricity.

Politicians in wealthier countries are pursuing the most expensive ways to generate intermittent electricity. Energy poverty is among the most crippling but least talked-about crises of the 21st century. We should not take electricity, products, and fuel for granted. Wealthy countries may be able to bear expensive electricity and fuels, but not by those that can least afford living in “energy poverty.”

It should be one of everyone's New Year's resolutions to acquire a passion to stimulate discussions to enhance everyone's Energy Literacy. To support and facilitate those CONVERSATIONS, at least three are required:

- ♦ A Moderator: Teacher, student, or Podcast host.
- ♦ A representative of the products and fuels of our materialistic society and
- ♦ A representative of the pro-renewables for zero-emissions electricity.

Here are just a few open-ended starter questions for Teachers, Students, and Podcaster Moderators to stimulate 3-way Energy Literacy conversations:

(1) Limitations of just electricity from renewables. Renewables, like wind and solar, only exist to generate occasional electricity. Since these so-called renewables CANNOT manufacture any of the more than 6,000 products AND the various transportation fuels made from fossil fuels for vehicles, planes, and ships that are demanded by the infrastructures of today, the same infrastructures that did not exist 200 years ago, the question for our conversation is: ***WHY eliminate fossil fuels when there is no known "replacement" to fossil fuels that can support the materialistic demands for products and fuels of the population and economy that are supporting the 8 billion on this planet?***

(2) Most of the products in our materialistic society are made from fossil fuels. Everything that NEEDS Electricity, like iPhones, computers, data centers, and X-ray machines, need electricity to function. All the parts of toilets, spacecraft, and more than 50,000 merchant ships, more than 20,000 commercial aircraft, and more than 50,000 military aircraft are also made from the products based on derivatives manufactured from crude oil, so the question for our conversation is: ***Why rid only the wealthy countries with "green" movements, of fossil fuels as that would just divert***

the supply chain of oil to refineries in developing countries, to meet the demands for products and fuels that did not exist 200 years ago?

(3) Only wealthy economies have "green" movements. Of the 8 billion now on planet earth, of which 80% are making less than $10/day and lack many infrastructures being enjoyed by those in the wealthier countries such as Transportation, Airports, Water filtration, Sanitation, Hospitals, Medical equipment, Appliances, Electronics, Telecommunications systems, Heating, and ventilating, so the question for our conversation is: ***Why are the wealthy countries the only ones pursuing a "green movement" with subsidies and mandates?***

(4) Planet Earth's resources are limited! Our 4-billion-year-old planet has limited natural resources like oil, gas, coal, lithium, cobalt, manganese, etc., that are being extracted at alarming rates. Even with technological advances in the next few decades, we may find "more." Still, at current rates of extraction of those resources, the planet may be sucked dry in 50, 100, 200, or 500 years, so the question for our conversation is: ***Should there be a greater focus on the limitations of Earth's natural resources now being extracted for the enjoyment by wealthier countries on Earth as our 4-billion-year-old planet will continue to be here, with or without humans,?***

(5) Developing countries are THE only source for the materials for wealthier countries to go "green". Since the current "green movement" technology requires significant rare earth minerals and metals to construct EV batteries, wind turbines, and solar panels that are not easily available in the few wealthier countries are being mined in developing countries, so the question for our conversation is: ***Are the wealthy country mandates and subsidies ethical and moral, to continue financially encouraging China and Africa to continue the egregious human rights violations of vulnerable minority populations by exploiting "their" poor with yellow, brown, and***

black skin, and financially supporting environmental degradation to "their" landscapes just to reinforce mandated EV's, and subsidizing of wind turbines, and solar panels in "wealthier country backyards"?

(6) The Future of EV Batteries. The first cell phone, more than 50 years ago in 1973, the Motorola DynaTAC, weighed 2.5 pounds and was 9 inches tall. Today's cell phones are generally under 7 ounces with almost unlimited functions, easy charging, and virtually unlimited applications. In the coming decades, the current 1,000-pound lithium battery in EVs will seem barbaric, just like the first cell phone, future EV batteries will be lighter, cheaper, longer range, and shorter charging times, so the question for our conversation: ***How long do you think it will take humanity ingenuity and creativity driven by the free enterprise environment, to meet the humongous growing demand for efficient electricity, that will most likely exceed what we experienced in cell phone development that took 5-decades?***

(7) Electricity came about AFTER the discovery of oil. ALL six methods to generate electricity, from hydro, coal, natural gas, nuclear, wind, and solar, for the generation of electricity, are ALL built with the products, components, and equipment that are made from the oil derivatives manufactured from crude oil, so the question for our conversation is: ***Why rid the world of fossil fuels as that would eliminate our ability to generate electricity?***

(8) So-called renewable power has proven to be very expensive electricity. The few wealthy countries able to provide heavy subsidies to transition to occasional electricity generation from breezes and sunshine has proven to be ultra-expensive for Germany, Australia, Great Britain, New Zealand, all of the EU, and the USA. These few wealthy countries that currently represent about one of the eight billion of the world's population still remain ignorant that billions in Africa, Asia, and Latin America still live on less than $10 a day –

and that billions still have little to no access to electricity, so the question for our conversation is: ***How will the "green movement" help those in poorer developing countries join the industrialized society being enjoyed by those in the wealthier countries?***

(9) The supply chain to support zero-emission mandates must be ethical and moral. The zero-emission mandates from the few wealthier developed countries require key challenges in the supply chain requirements from the raw materials sector for rare earth minerals and metals that need to be overcome if the electricity generation transition is to be realized, so the question for our conversation is: ***Why is there no conversation about securing sustainable supply chains, promoting responsible sourcing practices with labor and environmental laws and regulations, and ensuring a just and equitable green and digital transition for everyone, both poor and wealthy?***

(10) Nuclear power plants are prolificating around the world. For more than 7 decades, nuclear power has proven to be the safest, most compact, emissions-free, and cheapest way to produce continuous, uninterruptable, and dispatchable electricity; it has resulted in increased activities in China, Russia, and Japan with about 60 new nuclear power plants under construction across the world and a further 110 planned, so the question for our conversation is: ***Why do you think that America is supporting subsidies for unreliable wind and solar generated electricity that is NOT continuous nor dispatchable, and avoiding nuclear-generated electricity that is continuous, dispatchable, and emissions-free?***

(11) Nuclear power generation has an impressive safety track record. America has a track record of almost 70 years of nuclear power plant operation without any injuries, including over 70 years of nuclear Navy reactor operations for all their submarines and aircraft carriers, so the question for our conversation is: ***Why is there so much public resistance in America to allowing nuclear power to compete with other forms***

of power generation on the open market?

(12) The USA is falling behind in technological developments in nuclear power generation. While nuclear power generation is proliferating around the world in China, Russia, and Japan, with about 60 new nuclear power plants under construction and a further 110 planned, nuclear power design and construction came to a slow end in America in the early 1980s due to the handling of the anti-nuclear movement and an incompetent Nuclear Regulatory Commission, so the question for our conversation is: ***What will it take to stimulate American interest to just catch up with foreign countries domination of technological developments in nuclear power generation?***

(13) CO2 starvation. The minimum threshold for plant life is 150 ppm of Carbon Dioxide (CO2), but today, CO2 levels are about 420 ppm. Carbon dioxide is essential for life on Earth, as humans need it to regulate respiration and control blood pH, while Plants use it to create oxygen through photosynthesis. So, the question for our conversation is: ***With CO2 levels today nearing the starvation levels for plant and human life on Earth, why the focus on reducing CO2 levels to end life?***

(14) Government-subsidized projects have yet to produce Environmental Impact Reports. To date, all wind and solar generation of electricity has been funded by government subsidies as NONE have been financed by private entrepreneurial investor funds, but all those subsidized renewable projects have yet to be accountable for Environmental Impact Reports (EIRs) that detail the life cycle for renewables that run from design, procurement, and construction through operations, maintenance, and repair, as well as the life-ending decommissioning and disposal or recycling and restoration of the landscaping back to its original pristine condition, so the question for our conversation is: ***Why are government subsidized renewable projects toward wind, solar, and electric vehicles EXEMPT from***

the same Environmental Impact Reports that extensively discuss decommissioning, recycling, and restoration of the landscaping back to its original pristine condition for wind, solar, and EV battery materials when they are required when those projects are funded with private money?

(15) Earth's natural resources are not being replenished. As the world's population depletes, the 4-billion-year-old Planet Earth's natural resources of crude oil, coal, natural gas, and the critical minerals and metals to support the "green" movement like lithium, cobalt, manganese, etc., over the next 50, 100, or more years, our grandchildren may be unable to enjoy the more than 6,000 products of our materialistic society, being enjoyed by the current residents on this planet, so the question for our conversation is: ***To continue the preservation of human life on earth, how do we get serious about conservation, efficiency improvements, and recycling the waste that humans are generating?***

The above open-ended questions are intended to facilitate the stimulation of 3-way Energy Literacy conversations among teachers, students, and Podcast Moderators with representatives of the products and fuels of our materialistic society AND representatives of the pro-renewables for zero-emissions electricity.

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