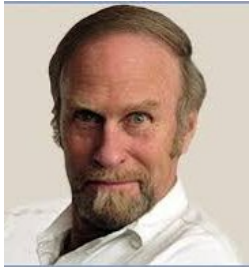


# Green Energy: What It Really Costs You



By Frosty Wooldridge

April 14, 2022

Bartender AOC screams “Green Energy” from her high perch in Washington DC. Like a third grader, she doesn’t possess a clue about what she’s screeching to all of us. At 79, Joe Biden ramps up his own call to push America for Green Energy, but In reality, he doesn’t possess a clue, either. The pundits on mainstream media jabber about more windmills and solar panels.

They fail to educate the American public that wind turbines currently chop-up 500,000 birds annually. If we double, triple and quadruple wind turbines, they will kill millions of birds annually. They speak about the fact that wind turbines and solar panels possess a maximum capacity of 20 percent of our energy. Worse, we’re running out of resources to manufacture solar panels.

Oh yes, let’s all drive electric vehicles to save the world. Except electric cars cost a fortune and they must always be charged by fossil fuel burning or nuclear power. Thus, we humans paint ourselves into a corner.

But the biggie that no one ever tells you, nor the senators, governors or mainstream media stems from the harsh reality that America remains on course to add 100,000,000 more people, net gain within 28 years. Ain’t that a kick in the pants!

For your sobering educational understanding, investigative

energy expert Doug Jackson addressed the realities in a recent report:

“How many of my friends drive electric cars? I only know of a few. Don’t get me wrong, I think they are cool, but don’t kid yourself about them being environmentally friendly. They are not.

“I’m not against EVs, but I also understand their true cost.

“Why is a battery? I think Tesla said it best when he called it an Energy Storage System. That’s important.

“Batteries do not make electricity – they store electricity produced elsewhere, primarily by coal, uranium, natural gas-powered plants, or diesel-fueled generators. So, to say an electric vehicle (EV) is a zero-emission vehicle is not at all valid.

“Since forty percent of the electricity generated in the U.S. is from coal-fired plants, it follows that forty percent of the EVs on the road are coal-powered.

“It takes the same amount of energy to move a five-thousand-pound gasoline-driven automobile a mile as it does an electric one. The only question again is what produces the power? To reiterate, it does not come from the battery; the battery is only the storage device, like a gas tank in a car.

“There are two orders of batteries, rechargeable, and single-use. The most common single use batteries are A, AA, AAA, C, D, 9V, and lantern types. Those dry cell species use zinc, manganese, lithium, silver oxide, or zinc and carbon to store electricity chemically. Please note they all contain toxic, heavy metals.

“Rechargeable batteries only differ in their internal materials, usually lithium-ion, nickel-metal oxide, and nickel-cadmium. The United States uses three billion of these

two battery types a year, and most are not recycled; they end up in landfills. California is the only state which requires all batteries to be recycled. If you throw your small, used batteries in the trash, here is what happens to them.

“All batteries are self-discharging. That means that even when not in use, they leak tiny amounts of energy. You have likely ruined a flashlight or two from an old, ruptured battery. When a battery runs down and can no longer power a toy or light, you think of it as dead; well, it is not. It continues to leak small amounts of electricity. As the chemicals inside it run out, pressure builds inside the battery’s metal casing, and eventually, it cracks. The metals left inside then ooze out. The ooze in your ruined flashlight is toxic, and so is the ooze that will inevitably leak from every battery in a landfill. All batteries eventually rupture; it just takes rechargeable batteries longer to end up in the landfill.

“That is not half of it. For those of you excited about electric cars and a green revolution, I want you to take a closer look at batteries and windmills, and solar panels. These three technologies share what we call environmentally destructive embedded costs.

“Everything manufactured has two costs associated with it, embedded costs and operating costs. I will explain embedded costs using a can of baked beans as my subject.

“This scenario, baked beans are on sale, so you jump in your car and head for the grocery store. Sure enough, there they are on the shelf for \$1.75 a can. As you head to the checkout, you begin to think about the embedded costs in the can of beans.

“The first cost is the diesel fuel the farmer used to plow the field, till the ground, harvest the beans, and transport them to the food processor. Not only is his diesel fuel an embedded cost, so are the costs to build the tractors, combines, and

trucks. In addition, the farmer might use a nitrogen fertilizer made from natural gas.

“Next are the energy costs of cooking the beans, heating the building, transporting the workers, and paying for the vast amounts of electricity used to run the plant. The steel can holding the beans is also an embedded cost. Making the steel can requires mining taconite, shipping it by boat, extracting the iron, placing it in a coal-fired blast furnace, and adding carbon. Then it’s back on another truck to take the beans to the grocery store. Finally, add in the cost of the gasoline for your car.

“A typical EV battery weighs one thousand pounds, about the size of a travel trunk. It contains twenty-five pounds of lithium, sixty pounds of nickel, 44 pounds of manganese, 30 pounds of cobalt, 200 pounds of copper, and 400 pounds of aluminum, steel, and plastic. Inside are over 6,000 individual lithium-ion cells.

“It should concern you that all those toxic components come from mining. For instance, to manufacture each EV auto battery, you must process 25,000 pounds of brine for the lithium, 30,000 pounds of ore for the cobalt, 5,000 pounds of ore for the nickel, and 25,000 pounds of ore for copper. All told, you dig up 500,000 pounds of the earth’s crust for just one battery.

“Sixty-eight percent of the world’s cobalt, a significant part of a battery, comes from the Congo. Their mines have no pollution controls, and they employ children who die from handling this toxic material. Should we factor in these diseased kids as part of the cost of driving an electric car?

“I’d like to leave you with these thoughts. California is building the largest battery in the world near San Francisco, and they intend to power it from solar panels and windmills. They claim this is the ultimate in being ‘green,’ but it is

not! This construction project is creating an environmental disaster. Let me tell you why.

“The main problem with solar arrays is the chemicals needed to process silicate into the silicon used in the panels. To make pure enough silicon requires processing it with hydrochloric acid, sulfuric acid, nitric acid, hydrogen fluoride, trichloroethane, and acetone. In addition, they also need gallium, arsenide, copper-indium-gallium-diselenide, and cadmium-telluride, which also are highly toxic. Silicone dust is a hazard to the workers, and the panels cannot be recycled.

“Windmills are the ultimate in embedded costs and environmental destruction. Each weighs 1688 tons (the equivalent of 23 houses) and contains 1300 tons of concrete, 295 tons of steel, 48 tons of iron, 24 tons of fiberglass, and the hard to extract rare earths neodymium, praseodymium, and dysprosium. Each blade weighs 81,000 pounds and will last 15 to 20 years, at which time it must be replaced. We cannot recycle used blades. Sadly, both solar arrays and windmills kill birds, bats, sea life, and migratory insects.

“There may be a place for these technologies, but you must look beyond the myth of zero emissions. I predict EVs and windmills will be abandoned once the embedded environmental costs of making and replacing them become apparent.

“Going Green” may sound like the Utopian ideal and are easily espoused, catchy buzzwords, but when you look at the hidden and embedded costs realistically with an open mind, you can see that Going Green is more destructive to the Earth’s environment than meets the eye.”

In a few words, America and Americans are in a world of hurt. As I stated at the beginning of this report, you won’t hear any of these facts from our leaders or mainstream media. The entrenched “swamp people” in DC won’t prepare us for what’s coming, and the media won’t educate us. We’re on course to

jump from 335 million to 440 million. So how will we provide energy for another 100,000,000 million people by 2050? Answer: we won't! It's anybody's guess as to what will be the final result, but I'm guessing it won't be pretty.

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