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It is important to understand facts and ingest reality. If you ever watched "Dragon's Den" or "Shark Tank," often the angel investors must state that the person or people are right for entrepreneurship, but have the wrong product. What Baltimore, a city with no designated farmland, can offer, is to put solar panels on landfill as it is city-owned. As for any other Baltimore City building, 25 years into the future cannot be predicted as to how most city buildings will be used, as we need to add height for efficient building and land usage and a volumus population explosion due to climate change. What is habitable today will not be habitable in near future. Any brownfield is able to be cleaned up, as I used to live in an apartment building complex erected on what was once a brownfield. I will expand later regarding efficient land-use. Mondawmin Mall and other flat buildings are privately owned, and hence have nothing to do with Baltimore City, so you would need to ask them. Do research and farms that raise and feed chickens, grow berries maybe grow grapes and mushrooms that efficient use of land, as it does double duty, and needs no concrete. The issue is, there is already oversaturation regarding companies selling solar panels, as well as farming opportunities. There are great opportunities in other energies, especially in the ones human-beings have used since the beginning of time. Solar panels are actually still in infancy, so even purchasing, today's panels for 25 years is truly not a wise investment. Even the State of Maryland is in the solar business. A new utility - yes that is allowed, as Exelon is a utility monopoly. Getting a subsidy which is in essence charity from a government, demeans completely, "A Black-owned business," because it would be a government propping up a product that depreciates for the sake of someone's skin color. The Solar industry is saturated, and this is not California, Arizona, Florida, Puerto Rico, or even Oregon with much desert land. The solar product and service industry is saturated due to great salespeople.

There are really great salespeople who promote to sell "Solar" because they want to sell solar panels and services. They can never ever fore fill what is promised because it is weather-based: the best, most cost-effective, sustainable, recyclable..... All around the world there are what generically called, "Snake oil salesmen." It is no different today, except well more expensive scams. There were great salespeople who sold gas fueled cars, when there were electric ones well over 100 years ago. There was a better letter arrangement for typing, and due to salespeople, we have you see on keyboards today, offering more chances of establishing carpal tunnel syndrome. There were and still are great salespeople who sell male only trees, which are the culprit of massive pollen and hence allergies. There were great salespeople who sold DDT and other famous chemicals to governments which killed wildlife, but when humans died, then only then banned.....

"Lowering Cost for Poor People"

The truth is that people from every walk of life are using too much energy. Cutting 4%-10% is quite an easy feat - use less. President Jimmy Carter had fireside chats giving tips to the American People, just like Mr. Rogers, to put on sweaters, to not make house lower than 78 degrees Fahrenheit in spring and summer, and in the autumn and winter, not raise thermostat higher than 68 degrees Fahrenheit. Being a Georgian, it was right to place solar panels on the White House, as it drove people to start using solar energy in the warmer climates. Today the Carters provide all the electricity for Plains, Georga and beyond to be "off the grid" with solar. But here, the State of Maryland uses 5 times more

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than it produces. Regarding price of energy - it only goes up. Poor people qualify for energy assistance. Majority of "poor people" rent. So this is not a solution for, "poor people." It is about making laws that property owners are forced to use alternative sourced energies and offering zero-interest loans. In turn, it makes properties more valuable, so no, NO! No free tax or any other monies. The worst is the destruction of radiant - steam heating systems and replaced with forced air ducts, which contribute to dry sick-building syndrome, asthma, cancers, sinus infections, bronchitis, pneumonia, and other respiratory illnesses - and death sentences.

WE ARE PAYING TOO MUCH IN THE FIRST PLACE: According to the American Public Power Association, "Residential customers of public power utilities pay monthly bills that are on average 4% less than customers of investor-owned utilities, and 16% less than customers of cooperative utilities." <https://www.publicpower.org/public-power/stats-and-facts>

Land Use

I reiterate. Any brownfield is able to be cleaned up, and used for other purposes. As for any land at all, Baltimore must, must, like in Aesop's fable be the Ant as it continues to be the Grasshopper - and should of started many yesterdays to recalculate with tire erosion carbon emissions that most refuse to look at due to chemical 6PPD and the entire PPD family, in total 2000 chemicals, mostly plastics in tires that not only make fish nearly extinct, but many other animals, including humans., more than come from exhaust pipes, and aggressively redesign every piece of infrastructure if there is going to be a place called Baltimore in the nearest future, as 2035 and 2050 is too late. Baltimore is an "Urban Heat Island" a flooding plain, and often as weather history dictates, fresh water drought-bound. Baltimore has extraordinary air pollution due to incinerator, the exhorbent amount of tired-vehicles - cars, trucks. busses that travel in and through here. We can no longer focus on "Regional" because "Regional" is what is litterally, literally killing Baltimore City citizens and residents. instead of having a true local transit system that uses only true zero emission with no tires - streetcars, as much of the rails are underneath the streets.

CARBON FARMING

Carbon farming is much more useful and promising. It is a variety of agricultural methods aimed at sequestering atmospheric carbon into the soil and in crop roots, wood and leaves.

Energy Rates - Part 2

The other issue regarding energy rates, and it is a tragedy, a travesty, that Baltimore, Gas, and Electric was sold to an Illinois-based company, whose goal is to grow bigger. When it couldn't hostilely take over Nuclear Electric Power Generation Company Incorporated (NRG) in 2009, Exelon scoped out smaller public and private utilities it could purchase, and decided on Mid-Atlantic: especially Washington D.C. and Baltimore regions. One by one they folded. Today, with many canvassers not telling the truth to get signatures for a ballot measure, **November Election 2022 ballot measure QUESTION "E"** is attempt to allow any private person or entity, like Exelon, as even some elected officials want, and may be tied to financial campaign promises, for Baltimore City to own Conduit; which is every single wire, line, every telephone pole carrying cable and electricity, land, electrified rails, the subway land, electricity for elevators and escalators to

move, the light rail tracks and wires, above and below, in your streets, under your houses, and, anything for future use - rails not electrified, for alternative energies: hydropower, geothermal, gasification, in essence OWN Baltimore City, as a private company can simply press a few buttons and move a few levers, and completely kill off Baltimore City by turning off all gas and electricity, as it may want to conserve and give more to Washington D.C., or keep it for hometown Chicago and state, Illinois, especially in the dead of below freezing and negative degree Fahrenheit.

QUESTION E is worded tricky too. **Vote FOR on MEASURE E means prohibiting private sector purchase.** Those who want Baltimore's infrastructure to go completely private are not just the person, company, or companies behind this, but those who wanted Baltimore, Gas, and Eclectic to be sold in the first place, people who can afford to buy stocks, like publicly traded Exelon and Constellation. IT is ALL ABOUT MONEY. MAKE MONEY. Baltimore City sold the electricity to Exelon. **Now they want to own all the cords to your lamps, your televisions, computers, telephones, and all charging elements.** There will never be an equitable, even life-saving transportation system that moves people out of poverty because of the freedom to move about Maryland and Baltimore City, with dire need that most cities are heavily investing in - streetcars who run solely on above electric wires must be ready for near-future life preservation. A few people, who do not live here, calling all the shots, makes them own Baltimore City. I hope this is clear enough.

INCINERATION Burning trash does create a heat source. But it also creates toxic ash that is let out into Baltimore air. Baltimore City did a dastardly thing, for a monetary piddling, Baltimore County's "Zero Emission Trash Plan" for well more than decade to 2026, is for their air-polluting trucks to bring all its garbage not recycled to Baltimore City's incinerator. Close proximity dictates: Our citizens get asthma and cancer. it is Baltimore City's citizens and residents that die. This is second time in hearing I utter these words, "You must shut down the incinerator." Bountiful Lawsuits will bankrupt Baltimore City, and may then never get out of complete receivership, like Harrisburg - the capital of Pennsylvania, since 2011.

COAL GENERATED ENERGY Baltimore and Maryland allows its state via rail to be used to transport coal from West Virginia, a land-locked state.

OIL GENERATED ENERGY Still used by many residents via oil burners. Cost is relative to markey cost.

GAS GENERATED ENERGY Gas is naturally formed beneath crust of earth, but is not a natural resource, as mostly needs to be fracked. Illegal in State of Maryland. Gas as a fuel fo homes, all businesses is deemed too unsafe to continue to use, and Public Utility Commission is forcing people to get rid of their gas meter and systems. Many cities across the United States have banned gas use for new buildings.

NUCLEAR GENERATED ENERGY Touted as "clean," still creates massive amounts of toxic waste, and is usually stored underground, thereby making land unusable. Maryland's nuclear plants are past due date, given extended "life," which makes further risk to not just Baltimore and Maryland and East Coast, but affect Atlantic Ocean and beyond in U.S., Canada, Mexico, and rest of North American countries. Exelon's energy, so Baltimore's gas

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and electric is primarily nuclear (through owning a great multiple of in operation and forced to be shut down plants) and fracked-gas generated.

SOLAR GENERATED ENERGY

FACTORS

Solar panels never reach 100% capacity

Solar panels lifetime - usually 25 years, has constant degradation of capture-volume, meaning that they become less powerful

Solar panels use many intricate materials made from minerals and chemicals, and usually are placed in landfills as too time consuming, therefore too costly for labor to break them down

Mining for the various minerals, materials, especially lithium ion, cobalt, and selenium is destructive to all of nature. Democratic Republic of Congo recently auctioned off gorilla nature reserves - their habitat, their homes, to mining companies.

There is a finite amount of minerals and materials, thereby with competition with batteries for vehicles, the earth will have no more to give.

On ground:

Broken - smashed panels

Hail Damage - pin heads to baseball size

Covered: Non-workable

Graffiti

Bird Excrement

Freezing Rain

Sleet

Snow

Ice

Night

Cloudy

Fog

Air Pollution: Smog - Smoke and Fog - incrementally degrades

Solar Eclipse - partial or full

Ill positioning

Moved By Wind Force - Destroyed By:

Wind

Gale Storms

Hurricanes

Tornados

Cyclones

Solar panels actually do not like to get hot. So heat from underside degrades them even further.

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WIND GENERATED ENERGY
CARBON FARMING
HYDROPOWER WATERWHEEL
GEOHERMAL - PRODUCES

"Low-enthalpy geothermal energy can be generated from groundwater in gravels infilling buried valleys formed during the Pleistocene glaciation, when the sea level was significantly lower than at present. Where buried valleys underlie floodplains of present-day rivers, flowing through major cities, a 'heat island' effect can generate slightly enhanced temperatures in shallow groundwater. This groundwater can be utilized for space heating buildings by passing it through a heat pump, and the chilled water then used as a heat exchanger to satisfy cooling requirements of the building. For flow rates of 20 l s⁻¹, and a temperature reduction of 8 °C in the heat pump, a 672 kW heating resource can be generated, sufficient to heat buildings of 11,000 m² floor area. A cooling resource of 336 kW is also available. Potentially, this geothermal resource could be utilized without the 'heat island' effect. Cost of the development is minimal and long-term economic benefits are significant."

"Low-Enthalpy Geothermal Energy Resources from Groundwater in Fluvio-glacial Gravels of Buried Valleys" - Applied Energy - Science Direct
(2003) <https://www.sciencedirect.com/science/article/abs/pii/S0306261902001265#:~:text=Low%2Denthalpy%20geothermal%20resources%2C%20generally,generally%20are%20not%20suitable%20for>

GASIFIATION GENERATED ENERGY Instead of BURNING - Incinerate

Gasification occurs in a gasifier, generally a high temperature/pressure vessel where oxygen (or air) and steam are directly contacted with the coal or other feed material causing a series of chemical reactions to occur that convert the feed to syngas and ash/slag (mineral residue).

Exelon is the largest in the United States, reminiscent of Enron's previous status, which was forcibly disbanded

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Gasification: <https://netl.doe.gov/research/Coal/energy-systems/gasification/gasifipedia/intro-to-gasification>

"Exelon and SunPower to Develop Nation's Largest Urban Solar Power Plant" - Exelon Corporation (2009) https://www.exeloncorp.com/newsroom/Pages/pr_20090422.aspx

<https://www.exeloncorp.com/grid/more-than-flipping-a-switch-the-forces-behind-americas-energy-supply>

https://favpng.com/png_view/map-map-rail-transport-public-utility-electric-utility-electricity-png/5xXgRSYQ

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<https://www.sec.gov/Archives/edgar/data/1109357/000119312508258131/d425.htm>

Tries to buy NRG - hostile takeover

MAPS

https://www.google.com/search?q=exelon+service+map+usa+monopoly+2022&tbm=isch&ved=2ahUKEwirgluMi9j6AhUcgyYFHckaBuMQ2-cCegQIABAA&oq=exelon+service+map+usa+monopoly+2022&gs_lcp=CgNpbWcQA1CtCFiHRGciTGgAcAB4AIABZ4gB5wOSAQM1LjGYAQCgAQGqAQtn3Mtd2l6LWltZ8ABAQ&scient=img&ei=WFVfY6v0IpyGmtkPybWYmA4&bih=771&biw=1586

MAPS

https://www.google.com/search?q=exelon+service+map+usa+monopoly+2022&tbm=isch&ved=2ahUKEwirgluMi9j6AhUcgyYFHckaBuMQ2-cCegQIABAA&oq=exelon+service+map+usa+monopoly+2022&gs_lcp=CgNpbWcQA1CtCFiHRGciTGgAcAB4AIABZ4gB5wOSAQM1LjGYAQCgAQGqAQtn3Mtd2l6LWltZ8ABAQ&scient=img&ei=WFVfY6v0IpyGmtkPybWYmA4&bih=771&biw=1586

MAPS

https://www.google.com/search?q=exelon+service+map+usa+monopoly&tbm=isch&ved=2ahUKEwjO6O30itj6AhVqkmoFHez0AxcQ2-cCegQIABAA&oq=exelon+service+map+usa+monopoly&gs_lcp=CgNpbWcQA1C4BVihJWD6O2gCcAB4AIABmAGIAfgEkgEDNi4xmAEAoAEBqgELZ3dzLXdpei1pbWfAAQE&scient=img&ei=J1VFY465JQqkqtsP7OmPuAE&bih=771&biw=1586

MAPS

https://www.google.com/search?q=u.s.+electric+utilities+map+2022+exelon&tbm=isch&ved=2ahUKEwjw uvXhNj6AhWghWoFHYxCAEcQ2-cCegQIABAA&oq=u.s.+electric+utilities+map+2022+exelon&gs_lcp=CgNpbWcQA1CjCViZl2CLKGgAcAB4AIABZ4gBoQWSAQM3LjGYAQCgAQGqAQtn3Mtd2l6LWltZ8ABAQ&scient=img&ei=oE5FY CuCKCLqtsPjIWBuAQ&bih=771&biw=1586#imgsrc=CGM61b1Xq9YINM

State of Maryland - MEA

<https://energy.maryland.gov/pages/info/renewable/solar.aspx>

<https://cleantechnica.com/2018/02/05/report-mergers-monopoly-concentration-changes-electricity-business/> 2018

https://ilsr.org/wp-content/uploads/2017/10/imageedit_36_2199856389.png 2016

ENTHALPY GEOTHERMAL ENERGY =

The sum of internal energy; pressure times volume. There is no measurement ability of a system, but changes can be determined. Used to collect energy through soil levels in the crust surface. A type of "loop" geothermal system can be used without drilling into water source below crust.

[https://www.energybot.com/electricity-rates/maryland/#:~:text=Last%20updated%20October%202022,lower%20than%20the%20national%20average\).](https://www.energybot.com/electricity-rates/maryland/#:~:text=Last%20updated%20October%202022,lower%20than%20the%20national%20average).)