

THE GENESIS BETA
HUMANITY REBORN
or
How to end the energy crisis

"If we keep pulling death from the ground, we will reap death from the skies." This is a quote from Van Jones, the author of *The Green Collar Economy*. And in its simplicity, the quote could not be more descriptive of humanity's grim situation. In 2011, society had approximately 900 billion metric tons of fossil fuels in total at its disposal. By 2051, it is estimated only half of those resources will be left, and by 2081, it is calculated all known fossil fuel excavation sites will have been drained. This will, in the best case scenario, prolong the absolute depletion deadline until 2100.

That's it. About 85 years from now, there will be absolutely no fossil fuels. At least none within humanity's reach. Taken that society is still dependent on them when this happens, it will mean no more plastic, no more power, no more transportation. Mankind will, most likely, resort to what any other desperate species would- war. By the beginning of the new century, our planet will be a damp, radioactive, drained, hot dump. The big nations would go out first- Russia, the US, China... Then the rest would start grasping at straws. The ones who didn't have a nuclear arsenal would partake in personnel or drone combat. At this rate, humanity and almost every single other living land and air animal on the planet will be extinct by 2150.

As apocalyptic and "Hollywood-like" this series of events may appear, the scenario is actually quite probable. It goes with our nature, our primal need for self-preservation, our long history of war written in blood and oil... Humans are the most destructive species to have ever walked the blue planet. Humanity has killed more than the dinosaurs, has wiped out entire species in a matter of decades, and has caused more damage to the ozone layer in the past 200 years than any other living thing since its formation, which was 2 billion years ago.

Yet, as grim as the situation may well be, there are solutions.

A rehabilitation project like my very own model, Genesis Beta- Humanity Reborn (GBHR). Think of the fossil-fuel-dependent humanity as of an unstable alcoholic. He will start fights to get what he wants, and if he is abruptly deprived of alcohol, the shock may lead to severe psychosis or depression.

What is needed is a 10-25 year plan, in which, every year, the overall global usage of fossil fuels is lowered by 4-10%. The nuclear plants, coal mines and oil fields that are closed with the goal of lowering the consumption percentage, will be replaced by new, 'green' power plants.

A green plant (GP), is a clean alternative to fossil and nuclear fuel driven power plants. When the world is finally running on the 100% clean and renewable energy from GP's, it is calculated that there will be up to 1.4 times more energy to go around, as there will be GP's all over the world, in each and every country, working simultaneously to make the planet a better place.

With the installation a new GP, all funding and tax for the previous plant are redirected;

- 20% of the funds go into the maintenance, security, and equal distribution of energy from the plant.

- 20% goes to the newly formed Global GP Research Budget, which concentrates on making solar panels, seismic and thermal reactors, as well as wind and hydro turbines used in GP's more efficient and reliable at producing, storing and distributing energy
- Another 20% are directed into the Triple Alpha Budget, which will focus on the excavation of Helium3 on Earth, as well as forming a lunar expedition which will hopefully mark the beginning of outer-space colonialism. The main purpose of the said expedition is to excavate Helium3 from the lunar crust. Helium3 is the third isotope of the noble gas Helium (H), and is used in the 100% green, Triple Alpha Process, which is basically nuclear fusion, but without any of the waste.
- The final 40% will be donated to the GERES (general equality, rehabilitation, education and security) budget, which will focus on teaching the general public about the project, modifying petrol vehicles with either hydro, aero, or solar engines, containing any unrest, preventing any major riots and wars (both diplomatically and militaristically), and introducing the idea of free, equal energy.

This is another major point of Genesis; all energy will eventually be free. This will make it more available to the lower class population, and maybe even remove the need for a 'class' to exist. The final, and probably the most important focus of GERES will be to equip every residence with an equal amount of energy per capita. An apartment with a single adult will get a different amount of energy than a house with a family of five. Over 1 billion people still do not have access to electricity, and it will be GERES officials' main priority to reduce that number to 0.

By 2050, if the GBHR model is optimally followed, humanity should be running on 100% clean energy. Not only will GBHR solve the global energy crises, it will also remove the need for energy based wars, as every country will have an infinite amount (or at least as long as the sun's burning, the wind's blowing and the planet's spinning). It is also estimated that without the energy or pollution crises pressuring scientists, there will be many more advances in technology and science, such as cures for diseases, deeper understanding of the string theory, space exploration, bionics, the solution to overpopulation, etc.

In conclusion, GBHR may sound futuristic. It may sound pretentious and idealistic. In reality, it is; but unlike other solutions, such as abandoning our planet, Genesis is possible.

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