

Short Communication

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Fighting Desertification

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Desertification occurs when essential minerals are depleted. There are six elements in total that are needed for life, those being: Carbon, Hydrogen, Nitrogen, Oxygen, Phosphorus, and Sulfur. These elements combine in different atomic structures to create every vitamin and mineral needed to sustain life. Now, it occurs to me that one easy way to create life in a desert is to supplant these elements back into the afflicted area. It may seem impossible, but I want you to think CAREFULLY about the possibilities here.

So here in lies the idea, we must build pipelines from the ocean to the desert to start with. It wouldn't have to be metal so it would be relatively cheap, we could make it from recycled material.

This idea is like a spiderweb, not only will it create hundreds of good paying jobs, but it will create a real helpful impact on the desert and the environment, once ocean water is dumped into the desert you will see billions of plants spring to life absorbing the elements from the water. This in turn will cause a massive depletion of carbon from the atmosphere and a massive output of oxygen. Life in the desert is fleeting so these seeds that are out there are genetically built to grow and spore faster than most plants in the U.S. With success in this venture, we have now created a greener more fertile land area for our use, be it farming or living the desert is a really big place.

Another upside to this plan is by adding water to the desert you are more effectively adding water to the underground aquifers that we all drink from, and water is something we need to stay alive so best we have a controllable renewable source for the future. This water is purified naturally through the sand and dirt and rocks that are in the desert turning it from saltwater into freshwater. Naturally when stones sand and dirt interact with salt water the Sodium Chloride will combine and change the geology of the area into sedimentary rocks using the NaCl as a bonding agent. By changing the geology, you change how the atmosphere affects the area, less sandstorms more rain, less effected by the wind the list goes on.

Not only would it be practical for the desert, but for the California woods, if you put a couple dozen pipelines through there you would have incredible access to water thus immensely decreasing wildfires, increasing vegetation growth, further adding to the water cycle, the list goes on.

Some downsides to that idea and ways around them. The inland woods do not like salt water, it will kill a lot of vegetation if too much salt water is added. Now we can bypass the salt by using desalination techniques in controlled areas off the pipeline. One idea I had, desalinate the water for the inland woods is to use carbide electrodes which when supplied with electricity, forms an atomic bond with NaCl. Now we have a large supply of fresh water and a large supply of NaCl which we can use in a Molten NaCl Nuclear reactor. This would supply a large amount of people with much needed energy.

Adding water to the environment, electricity and jobs to the people, reducing desertification, growing vegetation, creating life, these are all possible if we focus on them. So why aren't we.

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