Geo-Energy?

In a world of desperate financial times and an ageing infustructer we need to have conservation. Key conservation sources in times like these are environment, forests, money, and energy. When we fix energy we can start fixing other problems. We believe that water/tides, wind, solar are our only green way to tap into our energy, where as nuclear and fuel is produces more for less. Dams are very costly, and they flood valleys that animals occupy; they also disrupt fishing habitats. On the other hand, fuel is detrimental to our earth's eco-system because of the green house gases it produces. Fuel is also very controversial, causing wars, lies, and destruction. This makes oil one of our worst energy consumption needs.

On the other hand, geothermal energy is cheap, year round, energy efficient and is very clean, thus saving forests and creating national sustainability which is very essential for human survival. Introducing geothermal energy can really help us by the money that is saved from conservation. The money then can be spent on hospitals and schooling. Answering how these questions are possible is what this paper is set to do.

Demonstrating how this product works and what it is in the first place, can be said very simply! Geothermal energy is the theory that when the air is cold the ground is hot, and when the air is hot the ground is cold. This fact is one of our world's biggest energy ideas. Geothermal energy works by sending an anti-freeze solution through pipes into the ground around 10-25 metres down. In the winter the solution goes to the ground and is warmed up, and then it is pumped through pipes set in the houses' floors; which then heats the homes. In the summer the pipes pump cold solution though the house because the ground is cold, even though the air is very hot. This source is year round and is very functional as compared to other energy sources. Wind power is year round too, but can only produce energy when there is wind. Turbines cost millions, and take away from the look of our lands. Tides are another year round energy source; but we must really consider how much junk we put in the oceans and how weak the ocean eco-system is already because of us. We don't need to make more mess by putting big generators in the waters.

On this point, there are always two sides of the story; pros and cons are the usual way to find which side carries the better decision. One of the pros for geo is the savings and pay packs over time. Yes, time is always a factor; considering that 45% of your energy is from heating your home. As the prices rise for the use of energy, this product pays itself even quicker. The cost of an average system in your home would be around $7500 and lasts around 33 years or even longer. It

requires little to no fixing or upkeep. Although this is for new houses, older homes can benefit even more. The cost of replacing your old heater with this product is around $11,500. The extra cost is because they have to remove the old heaters in your home and replace the flooring. But in the end all these costs become huge savings. The cost for the product to repay itself is around 7 – 9 years, depending on how it is used. Why does it repay itself off so quickly? Well it's year round, so no more cold air or fan costs coming on your bill, plus heaters or anything along those lines. Talking about bills does tend to cause people to get all sick inside, but imagine taking your energy bill for the next 33 years of your life and taking half the price off. Plus you can take advantage of tax incentives that reduce your costs even more. I bet you would be able to spend this money on some very, very nice things. But there's an even bigger benefit. When you cut your use of energy in half, the CEO's of the energy corporations no longer need to build massive projects that cost billions of dollars. Which means the government can put that cash to things that would help us, like schooling or hospitals.

Transferring the big savings you will make, plus the money savings the government can spend in other places, will make this a very good investment. But why stop there, if you really want to go green, this product can make you more money with things you plan on doing anyways. If you're renovating your home, why not replace bad insulation, and remove those ugly brown windows. Put in some good energy efficient ones. Use smart heaters that know when you are going to be home and when you're not. Good ways to save even more money is to invest with your next door neighbor. The future is coming and soon or later there will be interactive homes that can manage heat one room at a time. Green roofs will be a norm and we will continue to move forward.

Case in point, the world is getting kicked in the stomach because we can't stop grabbing things from it. Properly recycling, and smart businesses can make our word a better place in a dramatically noticeable way. Changing houses to geo energy can save us half the energy use per person. Industrial warehouses and homes can both benefit big with paybacks over 7 or more years, plus it will raise your property value. If we make this into law, the cost of building homes will only be 7 grand more and imagine the savings. The implementation of this will be as followed.

Step 1: Pass the law.
Step 2: Any new homes being build must have this type of energy.
Step 3: Any renovated homes will be asked to retrofit the product into the home.
Step 4: Put it in businesses, government offices, and warehouses.
Step 5: Give huge tax incentives for people who take the product.
In the end the benefit will be huge and we will no longer need to worry about the energy we use.