**The “Heritage” of The Fossil**

——Mox Liu

Hello everyone. Today, I am honored to have the opportunity to introduce to you the fossil heritage which is inseparable from our humanity. Careful people will find that the word "heritage" is in quotation marks, because heritage here does not necessarily refer to the various material wealth provided to mankind, it can also refer to the consequences of pollution. Just like this old man, the development and utilization of fossil energy is gradually becoming a sunset industry.

"when your descendants learn that you used to burn a gallon of gasoline just to drive to buy a pack of cigarettes, they will find this behavior unbelievable and even sinful." This sentence is said by wise man Paul Mcgrady. But this is just one of the countless examples of energy waste.

Now let's talk about the dark side of energy. Do you have such a question: can't energy provide us with a lot of convenience and benefits? How can energy have a dark side? This is our thinking pattern and subjective one-sided. The dark side of energy exists, it exists, it must exist, it has to exist! This is due to its own attributes and structural characteristics. For example, the over exploitation of coal resources, the phenomenon of soil erosion and the depletion of mineral resources are all man-made energy dark side. How shocking these scenes are!

Let's take a look at an obvious and slightly ridiculous comparison of graphs. The above is in Germany, where people have successfully reduced CO2 emissions by a full 85%! They have made outstanding contributions to the improvement of the world environment through energy conservation and emission reduction. However, if you look at the United States in the second chart, it is ironic that the gap between the cost and price of their pre tax energy is growing. In addition, Americans account for 15% and 30% of the world's carbon dioxide and ozone emissions, respectively.

OK，then what shall we do？Are you constantly in shock and fear, or emmmmmmmmm… it is an intentional accident! Or have you started to think and solve it? Next, I will put forward two main solutions and basic principles and attitudes, hoping to give you insights and enlightenment.

First and foremost, take the way of sustainable development. Sustainable development refers to not only meet the needs of people without prejudice to future generations the ability to meet the demand. It was first proposed by senior researcher Robert Costanza. Yeah, this is the man. The NCSE means National Committee of Science and Environment. He is also a conscientious American.

Then secondly, we also need to be objective and appropriately pessimistic. As an old Italian proverb goes, "the difference between a pessimist and an optimist is that the former has more information. The short-sighted optimists will not talk about the right way of human development, but the pessimists based on a full understanding of the actual situation are the correct starting point to solve the problem. It is urgent to let us students know the current dangerous situation of fossil energy on the earth.