

The Benefits of Carbon Capture Technology and its Energy Usage

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Climate Change has been a serious threat to the world since the early 19th century when human activity started influencing the climate. Ever since June 23, 1983 climate change has become a serious national issue. At that time many people didn't take it too seriously until the former director of Nasa's Institute for Space Studies once stated that there was a correlation between the greenhouse effect and the observed climate change. After Dr. James Hansen made his testimony, it became clear that climate change is a threat to society. Our UNSDGN project 13 is about the benefits of carbon capture technology and its energy usage. Our group is going to compare different carbon capture plants in terms of the amount of carbon that they capture and store from the atmosphere, and the amount of energy the plants use to collect the carbon. If your carbon plant is using more energy than it is extracting from the atmosphere, you would be doing more harm than good. Our paper structure will include data on companies' carbon capture amounts as well as the amount of energy they used to extract that amount of carbon out of the atmosphere. We will also include visuals about how much carbon is extracted and how much energy is used. We will include data sets and numbers from almost 300 different companies with carbon-capturing machines in different locations around the world. As a sub-question, will these carbon capture companies resell their carbon to oil companies, in return creating a system of extracting more oil than extracting carbon from the atmosphere?