**Carbon Capture**

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**Carbon Capture is the technology of capturing carbon and storing. Carbon Capture can also be mistaken for converting carbon into oxygen. Carbon Capture is when you take the air then you use a machine to separate the carbon from the air leaving you with fresh/clean air and the carbon separated so you can store it instead of releasing it back into the air.**

Timeline

Description automatically generated with medium confidence

**Carbon capture and storage or CCS refers to a collection of technologies that can combat climate change by reducing carbon dioxide or CO2 emissions. The idea behind CCS is to capture the CO2 generated by burning fossil fuels before it is released to the atmosphere. Today, CCS projects are storing over 30 million tons of CO2 every year, which is about the amount of CO2 emissions created by 6.5 million passenger cars. Capture generally takes place at large stationary sources of CO2, like power plants or industrial plants that make cement, steel, and chemicals. Currently we are using carbon capture to combat the effects of climate change by removing large amounts of carbon in the air and removing the carbon from different pollutants before the air is released into the atmosphere.**

**Citations:**

[Carbon Capture | MIT Climate Portal](https://climate.mit.edu/explainers/carbon-capture)