Carbon (C02) Emission

What Actually Carbon Emission is?

Carbon dioxide emissions, primarily from the combustion of fossil fuels, have risen dramatically since the start of the industrial revolution. Most of the world's greenhouse gas emissions come from a relatively small number of countries. China, the United States, and the nations that make up the European Union are the three largest emitters on an absolute basis. Per capita greenhouse gas emissions are highest in the United States and Russia.

Carbon dioxide emissions are the primary driver of global climate change. It's widely recognized that to avoid the worst impacts of climate change, the world needs to urgently reduce emissions. But how this responsibility is shared between regions, countries, and individuals has been an endless point of contention in international discussions.

This debate arises from the various ways in which emissions are compared: as annual emissions by country; emissions per person; historical contributions; and whether they adjust for traded goods and services. These metrics can tell very different stories.

Factors That Caused Carbon (c02) Emission:

- Transportation (29 percent of 2019 greenhouse gas emissions) – The transportation sector generates the largest share of greenhouse gas emissions. Greenhouse gas emissions from transportation primarily come from burning fossil fuel for our cars, trucks, ships, trains, and planes. Over 90 percent of the fuel used for transportation is petroleum based, which includes primarily gasoline and diesel.2
- Electricity production (25 percent of 2019 greenhouse gas emissions) – Electricity production generates the second largest share of greenhouse gas emissions. Approximately 62 percent of our electricity comes from burning fossil fuels, mostly coal and natural gas.3
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- Industry (23 percent of 2019 greenhouse gas emissions) – Greenhouse gas emissions from industry primarily come from burning fossil fuels for energy, as well as greenhouse gas emissions from certain chemical reactions necessary to produce goods from raw materials.
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- Commercial and Residential (13 percent of 2019 greenhouse gas emissions) – Greenhouse gas emissions from businesses and homes arise primarily from fossil fuels burned for heat, the use of certain products that contain greenhouse gases, and the handling of waste.
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- Agriculture (10 percent of 2019 greenhouse gas emissions) – Greenhouse gas emissions from agriculture come from livestock such as cows, agricultural soils, and rice production.
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- Land Use and Forestry (12 percent of 2019 greenhouse gas emissions) – Land areas can act as a sink (absorbing CO_2 from the atmosphere) or a source of greenhouse gas emissions. In the United States, since 1990, managed forests and other lands are a net sink, i.e., they have absorbed more CO_2 from the atmosphere than they emit.

What Can Be Done to Reduce it?

Climate change is certainly a growing concern for most people; however, it is not too late for us to act on it. Here are three ways to reduce your carbon emissions and footprint:

Reduce - With technology being increasingly accessible to us, it is easy to get into the habit of using things out of convenience. You can opt for a reduction mindset in order to minimize the amount of time you spend using our digital appliances or the internet.

Replace - When you are due to replace an old item or appliance, make sure you opt for an eco-friendly choice. You can identify whether it was produced sustainably and choose an option that helps minimise your carbon footprint. For example, UK domestic gas boilers generate around 17,000 tones of CO2e per hour on an average winter weekday, but by switching to a new condensing boiler it could save you 1,000 tonnes CO2e per hour.

Reuse - Where necessary, choose to reuse what you have. This would minimize the amount of waste being generated and therefore less carbon dioxide will be generated from producing and decomposing single-use products.

Hopefully, this post will have given you the insight to why there is a growing concern over our carbon emissions and additionally, ways to minimize one's carbon footprint. Do you have any other tips for reducing our carbon footprint? Join the conversation by using #TheCoalTruth on Twitter or Facebook.

Ways To Calculate the C02 Emission:

The Simple Formula to calculate the C02 Emission in usually case:

CO2 Emission = product in quantity*52*absolute emission divided by Company Emission

Absolute emission = Total product divided by 100

For Example:

Co2 emission= Product in quantity*52*absolute emission / Company Emission

Product = 25 kg of creamic
Carbon constant (year) = 52
Absolute emission = 0.25
Company Emission = 100
Now,

Co2 emission = 3.25 kg of Co2 in year
And,
In week
3.25/52....