



Global Warming



Why does it matter?
What can I do?

Greenhouse Gases

Climate change is caused by the release of greenhouse gases such as carbon dioxide and methane, into the atmosphere, that is gases that come from sources such as the burning of fossil fuels including coal, oil and gas, industrial processes, agriculture and land usage, and the decomposition of organic waste in our landfills.

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Greenhouse gases then get caught in the Earth's atmosphere, trapping extra heat near the Earth's surface, causing global temperatures to rise. (NASA)



GLOBAL ANNUAL TEMPERATURE INCREASE

The global annual temperature has increased in total by a little more than 1 degree Celsius.

WHY DOES CLIMATE CHANGE MATTER?

Scientists agree that the earth's rising temperatures are already fueling longer and hotter heat waves, more frequent droughts, significant precipitation, flooding and more powerful storms. (NASA, National Geographic)

1.5 C: It is imperative to keep global temperature rise to no more than 1.5 degrees Celsius to protect a liveable climate. (UN)

2 C: A half degree increase to 2C, would result in increased climate-related water stress, hunger and poverty, particularly in poorer areas of the world. (UN)



WHAT CAN I DO?

Sustainable living impacts climate change by enabling us to reduce our resource usage, the fossil fuels we burn, and the greenhouse gas emissions we generate through our lifestyle.



There are a number of ways to start living sustainably, including:

- eating more plant-based meals
- making our homes more energy efficient
- reducing our consumption and waste
- reusing and repurposing in our homes
- buying local to support our community and reduce the distance our products need to travel
- moving around more sustainably

References

NASA <https://climate.nasa.gov/>.

National Geographic Climate Change Climate Change | National Geographic Society.

United Nations, Climate Action <https://www.un.org/en/climatechange/cop26>.