

Climate Change In Miami

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Climate Change



Many environmental factors affect Miami which is susceptible to flooding.

These Factors Include: Weather, Climate Change, Pollution, and Geography

All of these factors play an important role in the reason why there is consistent flooding in Miami. Climate change has caused natural disasters around the world to be more dangerous leading to a bigger impact on society. Natural disasters like hurricanes and floods are making living near the ocean or water in general a health hazard. Homes are being abandoned, destroyed, and people are becoming homeless due to these unfortunate predictions.

How Emissions Affect Miami



While the issue of global warming is an issue states have taken initiatives in order to start solving the problem. In the past cars polluted the air in nasty ways which caused large amounts of fog to appear. This fog in from car pollution is also visible in places similar like China. Due to the acknowledgements of the harmful effects to the earth's health automobile companies have showed effort to remove harmful effects by making the emissions less dangerous for the environment. You even get rewards for using hybrid cars that are safe for the environment in Miami.

Pollution in Miami



Pollution from cars and other factors are making sea levels rise. Not only Miami is a victim of these solutions . Other places near the water or near the ocean are at similar risk of flooding due to sea levels rising. Polluting chemicals that are released into the atmosphere from everyday appearances like cigarettes, car emissions, gas, and air conditioners are causing serious flooding in Miami.

Geographies Effect on Miami



Due to Miami being so close to water its geography causes multiple problems for the people living in the city. With elevation being low in Miami the risk of water rising is high causing stress for residents of Miami living near the water. Geography has a huge impact on how certain people experience climate change. A certain part in the world might be suffering from a lack of water while another might be suffering from too much water. Each problem is due to different geographies and climate change doesn't discriminate between either.

Geographic Map of The United States, Florida, Miami



+ 6 meters

USA: Florida

Weiss and Overpeck
The University of Arizona

0 100 km

Key West

Driving Emission in Miami



Emission from cars in Miami is a huge problem because the emission cause CO2 to be in the atmosphere giving the earth a warmer climate that isn't beneficial to the city. While other forms of transportation are an added bonus it doesn't take away from how dangerous cars are themselves.

Emissions from Fuel Use

Under the overall Transport Emissions from Fuel Use sector, unleaded fuel use by light duty (passenger) vehicles accounts for approximately 76 percent of the transportation emissions, and diesel fuel comprises approximately 13 percent the total (Chart 3). The substantial portion of

Miami Beach State

Even back then when Miami Beach was incorporated into a city it had issues when it came to major storms impacting the city. The Great Hurricane of 1926 was a great example of what a huge hurricane could do to a place like Miami Beach. When the Hurricane hit the city buildings were destroyed, ships were destroyed as well, and basically damaged Miami Beach as a whole. Each time Miami Beach has heavy rain people prepare themselves for flooding. The city side is more susceptible to flooding compared to its ocean side because elevation is much lower on the city side.

Miami Beach Sea Level Rise

Parts of Miami beach could be underwater in as little time as 15 years due to sea level rising. Global warming has played a significant role in the reason for these horrible situations to be happening. Events were even held in order to warn people who own businesses about the upcoming situations. Soon people's property will be damaged due to flooding in the area leaving many vulnerable to the earth's changing climate. "Already, media around the globe are publicizing the fact that South Florida is "ground zero" for the adverse economic impact of sea-level rise, Pathman argued."

Future Predictions for Miami



Miami has many issues when it comes to the topic of climate change. The entirety of Miami is not at high danger. Parts of Miami that very close to the water are the ones that are at the most risk. Climate change is an important situation that affects the world as a whole and humanity as a whole, but we can't expect to solve the problem entirely right away. Many predictions have been made about what will happen to Miami in the near future. People have said that Miami as a whole will suffer, but others suggest that only parts of Miami that are close to water will suffer. Due to climate change I think the best prediction would be that parts of Miami near water will be unfortunately underwater and due to the terrible conditions affecting the city. I put the video

Miami Beach Tackling Flooding

Articles Used for Research

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