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Effects of Urbanization on the Environment

Thesis

In this paper I will examine the effects of urban environments on climate change. I will be paying specific attention to why climate change is an issue, what contributes to climate change, efforts made to protect the environment and both current domestic and global climate change affairs.

Objectives/significance

Within this paper I attempt to address the correlation between climate change in an increasing urban environment, demonstrate the science behind climate change, as well as making the reader aware of the political side. The significance of this study is to address the mounting issues of urbanization and the environment.

Synopsis

In my first bodied paragraph, I will be discussing why climate change is an issue. I bring up topics such as the depletion of the ozone layer and its consequences, extreme weather caused by climate change, and possible extinction of certain species.

In my second bodied paragraph, I will be discussing what the contributing factors are to climate change. The main contributing factor is the production of greenhouse gases and the depletion of the ozone layer. I will go into detail about what exactly a greenhouse gas is, how they affect the environment and examples of modern-day greenhouse gases.

In my third bodied paragraph, I will be investigating various efforts to protect the environment. I will discuss topics such as, the creation of the EPA and its role in fighting climate change, the banning of CFC’s in the 1970’s, the Clean Air Act, and other major regulations to curb climate change.

In my last bodied paragraph, I will be overviewing current-day situation regarding climate change, both domestic and global. Domestically I will be discussing mainly the Obama and Trump Administration’s effects on climate change. Topics will include, The Alaskan Pipeline, corruption scandals of the current EPA administration, and Trump’s actions regarding climate change as well as Obama’s. Globally, I will be talking about the various binding and non-binding treaties formed around the world. Some examples are the Paris Climate agreement, the UNCCC (United Nations Framework Convention on Climate Change), as well as the Kyoto protocol.

A work-in-progress outline is listed below:

* **Why climate change is an issue** **in urban areas**
  + Depletion of ozone layer
    - What it is
    - How it happens
    - Why it matters
      * Smog
        + Case study: China
      * Raising earth’s temperature
        + Green house effect
        + Polar icecaps melting

Why it matters

Rising sea levels

Wildlife losing their homes

* + - * + Extreme weather

Heatwaves

Extreme droughts

Wildfires in CA

Hurricanes

Florence

Katrina

Heavy downpours

Flooding

Snowstorms

* **Contributions to climate change**
  + Urban Sprawl
  + Greenhouse gases
    - What they are
    - How they affect the environment
    - Examples
      * Car emissions
      * CFC
      * CO2
      * Methane
      * Ozone
      * Water vapor
* **Efforts to protect the environment**
  + Social impact analysis
  + Smart Growth
    - Replace diesel fuel buses with hybrids
    - Improve cycling/walking infrastructure
    - Green roofs
    - Rail lines along highways to connect cities and suburbs
  + Creation of the EPA
  + Banning of CFC’s
    - Montreal Protocol
  + Emission regulations
    - Clean air act
* **Current situation**
  + Domestic
    - Trump making it worse
      * Alaskan Pipeline
      * Tariff on solar panels w/ China
      * Corruption of EPA
        + Scott Pruitt

Didn’t believe Climate Change was real

Andrew Wheeler was top deputy

Wheeler is a lobbyist for Murray Energy

Coal mining conglomerate

Resignation Among Scandals

Wheeler is now head of the EPA

* + - * Bailing from Paris Climate Agreement
    - Obama Regulations
      * Clean Power Plan
  + Global Negotiations
    - Paris Climate agreement
    - United Nations Framework Convention on Climate Change
      * Kyoto Protocol

Works Cited

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<https://www.britannica.com/topic/Environmental-Protection-Agency> -CREATION OF EPA

<https://www.state.gov/e/oes/eqt/chemicalpollution/83007.htm> -MONTREAL PROTOCOL

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<https://unfccc.int/process-and-meetings/the-paris-agreement/what-is-the-paris-agreement> -PARIS CLIMATE AGREEMENT

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<https://ozonewatch.gsfc.nasa.gov/facts/hole.html> OZONE HOLE OVER ANTARCTICA

<https://climate.nasa.gov/causes/> -GREENHOUSE GAS EFFECT

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