

1. **Introduction**  
The purpose of this report is to analyze the impact of climate change on the global economy and to propose effective strategies for mitigation and adaptation. The report is structured as follows: Section 2 discusses the current state of climate change, Section 3 explores the economic impacts, and Section 4 presents policy recommendations.



2. **Current State of Climate Change**  
Climate change is a global phenomenon characterized by a steady increase in average global temperatures, rising sea levels, and more frequent extreme weather events. The Intergovernmental Panel on Climate Change (IPCC) reports that the global average surface temperature has risen by approximately 1.1°C since 1880. This warming is primarily driven by the increase in greenhouse gas concentrations in the atmosphere, which trap heat and contribute to the greenhouse effect.



3. **Economic Impacts of Climate Change**  
Climate change has significant economic implications, affecting various sectors of the global economy. The most vulnerable sectors include agriculture, manufacturing, and energy. Agriculture is particularly at risk due to changing precipitation patterns and increased droughts, which can lead to crop failures and reduced yields. Manufacturing is affected by rising energy costs and the need for more sustainable production processes. The energy sector faces challenges from the transition to renewable energy sources and the potential for stranded assets in fossil fuel industries.



4. **Policy Recommendations**  
To address the challenges posed by climate change, governments and international organizations must implement comprehensive policies. Key strategies include: 1) Reducing greenhouse gas emissions through carbon pricing and investment in clean energy technologies. 2) Enhancing energy efficiency in buildings and industries. 3) Promoting sustainable land use and agriculture. 4) Strengthening disaster preparedness and resilience in vulnerable communities. 5) Supporting research and development in climate science and technology.

5. **Conclusion**  
Climate change is a pressing global issue that requires immediate action. The economic impacts are significant and far-reaching, affecting the well-being of billions of people. By implementing effective policies and strategies, we can mitigate the worst effects of climate change and build a more sustainable and resilient future for all.

6. **References**  
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