

**TITLE:** Global Warming: The Silent Killer

**GENERAL PURPOSE:** To inform

**SPECIFIC PURPOSE:** To show the dangers of global warming and provide possible solutions.

**THESIS OR CENTRAL IDEA:** Global warming is a dangerous phenomenon which we must work together to solve.

**Imagine a world where the seas had swallowed great cities, and many creatures which we all love no longer exist. This world is coming, and sooner than you think.**

- 2040 - ice free  
summer in the  
Arctic
- I. Global warming has risen over the past hundred years more rapidly than ever before in recordable history, and is already affecting the earth's climate drastically.
  - II. Today, I come to you not to persuade you, but to help save us all. This phenomenon has caused many deaths already, and I hope to assist you in understanding the problem, after all, it does affect you.
  - III. Orient Audience
    - a. Global warming is a problem which we need to address as soon as possible.
    - b. We can all reduce our impact on the environment in many ways.
    - c. Under the implantation of my plan, we will all live safer, healthier lives.

[Transition from introduction to body]

## **Body**

- I. Need step
  - a. Global warming has caused worldwide climate change and is increasing at an alarming rate.
  - b. According to an interactive feature by National Geographic, global warming is caused by the sun's rays, and the Earth's natural greenhouse gasses. These gasses trap the heat which radiates away from the Earth to maintain a temperature which can sustain life. However, when humans burn fossil fuels the gasses released intensify the effect of greenhouse gasses, trapping more heat energy than is needed. (National Geographic)
  - c. The discovery of greenhouse gasses was mainly worked on by scientist John Tyndall in the early 1860s where he experimented in a laboratory, identifying which gasses caused heat to be trapped (AIP). Although this shows that the Earth has its own heating and cooling methods, the amount of heating has increased between 0.7 and 1.4 degrees since 1880 (NASA), and the Earth has been the hottest in the last three decades that it has been in over 400 years, and possibly over the past several millennia (IPCC) . According to the NOAA, this is causing the sea levels to rise already at an average rate of 1.7 mm per year over the past century, which is more than in millennia past(NOAA).
  - d. Many of us unknowingly contribute to the amount of greenhouse gasses in the environment. Our vehicles and some homes run on energy produced by

combustion of fossil fuels, which release large amounts of carbon and other gasses into the atmosphere. We all contribute to the problem, now it's time to work on the solution.

[Transition from first point to second point]

## II. Satisfaction Step

- a. My plan to reduce human influence on the natural greenhouse effect involves many simple solutions, such as using public transportation or more fuel efficient vehicles, and to use more energy efficient methods for lighting, heating, and cooling in your home.
- b. Reducing environmental impact does not have to be a difficult process. In fact, being more energy efficient in your home can save you money, while reducing your "carbon footprint." For example, using compact florescent bulbs cuts down on the energy usage so much that Energy Star, a joint cooperation between the EPA and the U.S. Dept of Energy, estimates a saving of \$600 million in energy costs if every American citizen uses just one compact florescent bulb in place of a regular light bulb (Energy Star). This is also economically sound as these bulbs have a much longer run time. If each American household replaced its appliances with the most energy efficient ones, 175 million tons of carbon and other greenhouse gasses could be eliminated (UCS).
- c. Although many are beginning to believe in human-caused global warming, many skeptics still exist. The main argument being that the Earth has its own heating and cooling systems. Although this is true, the current changes have been going beyond any recorded levels.

did not address in speech

[Transition from second to third point]

## III. Visualization step

- a. Until this problem is resolved, greenhouse gasses will continue to accumulate in the atmosphere, heating the land and sea temperature at unprecedented rates. The EPA states that hurricanes and tropical storms could increase in severity and have higher peak winds, as well as increased precipitation (EPA). This can be evidenced by recent hurricanes such as Katrina, which wrought widespread destruction which had never been witnessed from a single storm in this area.
- b. If my plan is adopted, we can all help to solve the problem of global warming by reducing our impact on the environment. By getting motivated, we can make the Earth more livable for our future generations.

[Transition from third point or all main points to conclusion]

## Conclusion

### I. Action Step

- a. Global warming is a dangerous phenomenon which has been escalating since the late 1800s.
- b. If we can all begin to lessen our use of personal vehicles by use of public transit or carpooling, and conserve energy with more efficient appliances and lighting, we could all help to reduce our personal environmental impact and solve this problem.
- c. If we can all reduce our impact, we could make this planet a cleaner, healthier place to live for generations to come.

### II. Motivation or Recommendations

- a. I now ask that you consider the future not only of yourselves, but of your grandchildren, and their children. The time to act is now, for the betterment of us all. Turn out lights you aren't using, walk or take the Bucshot. There are many ways which you can help, some which may save you money in the long run.

### III. Close

#### WORKS CITED

1. American Institute of Physics (AIP)  
<http://www.aip.org/history/climate/>
2. Energy Star  
[http://www.energystar.gov/index.cfm?c=cfls.pr\\_cfls](http://www.energystar.gov/index.cfm?c=cfls.pr_cfls)
3. Environmental Protection Agency (EPA)  
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[http://www.nasa.gov/worldbook/global\\_warming\\_worldbook.html](http://www.nasa.gov/worldbook/global_warming_worldbook.html)
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