

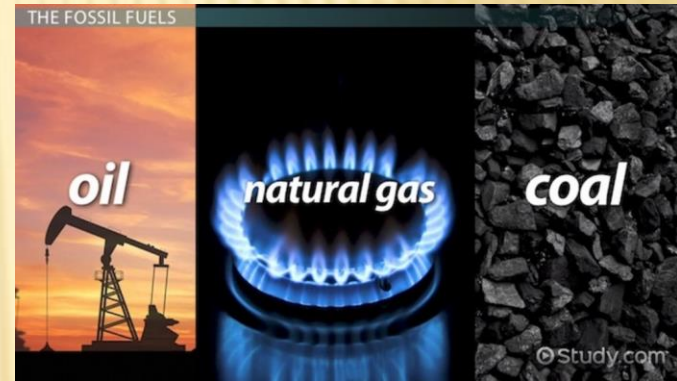
HEALTH AND ECONOMIC COSTS OF THE CONSUMPTION OF FOSSIL FUELS

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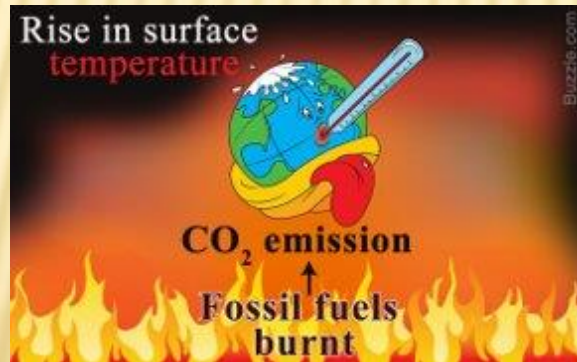
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Prof. Sean MacDonald



WHAT ARE THE HEALTH AND ECONOMIC PRICES OF FOSSIL FUELS?

- ✘ Environmental Damage
- ✘ Health issues
- ✘ Increasing prices
- ✘ Using solutions to reduce fossil fuel consumptions or alternatives to replace fossil fuels



WHY DID I CHOOSE FOSSIL FUELS?

- ✘ I choose fossil fuels as my topic because I want to understand the effects of it.
- ✘ In 8th Grade Science, I learned the concepts and origins of fossil fuels.
- ✘ I want to prevent individuals from using too much fossil fuels such as developing warning signs.

CAUSES AND EFFECTS

- ✘ Coal and oil were the most significant fossil fuels that can cause critical damage towards human health and the environment.
- ✘ Sulfur dioxide can damage the respiratory system like the lungs.
- ✘ Nitrogen oxide can cause heart disease.
- ✘ Particulates can cause asthma and tuberculosis.
- ✘ Carbon emissions from power plants could lead to global warming.

COSTS AND STATISTICS

- ✘ Nearly 20,000 individuals die each year from pollutants.
- ✘ Oil fired steam had the total health damage cost at 21.74 Cents/kWh.
- ✘ Coal fired steam had the second total health damage cost at 15.67 Cents/kWh.



HEALTH, ENVIRONMENT AND ECONOMIC ISSUES

NEW SOLUTION AND ALTERNATIVES

- ✘ The development of clean fuels would reduce carbon emission by half percent to negate global warming.
- ✘ Clean Power Plan requires to reduce carbon emissions from power plants.
- ✘ Zero emission requires electricity and hydrogen to limit fossil fuel usage.

HIDDEN COSTS AND EFFECTS

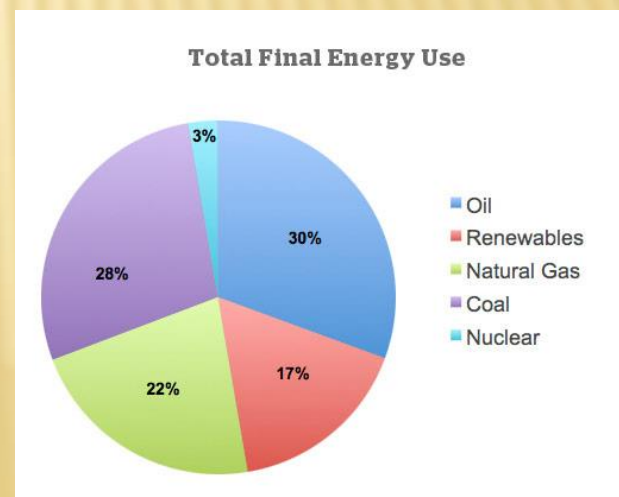
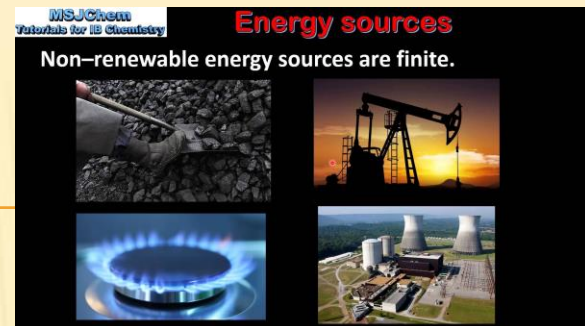
- ✘ Clean Power Plan does not have any effects on climate and global temperature due to the Environmental Protection Agency relying on average value instead of marginal.
- ✘ The cost of production of electricity and hydrogen would skyrocket.

SOLUTIONS AND ALTERNATIVES



CONCLUSION

- ✘ Our world is changing because of our needs in fossil fuels and technology.
- ✘ However, we should realize the consequences of using too much resources such as fossil fuels would cause issues among ourselves and the environment.



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