

Contemporary Issue in Science and Technology

Duc Vo

The problem

_ Transportation has always been in high demand for several decades, following it is the controversial demand for gas and oil. Increase in the usage of fossil fuels have arises many other issues, such as the rising price for gas and oil, green-house emission, pollution, etc.

_ Electric vehicles have the potential to replace traditional gas-fueled vehicles entirely, and in turn would also solve the mentioned issues

_ However, is replacing tradition vehicle with electric vehicle be solving the issues, would it not just increase the demands for electricity, which in turn, once again, increase the usage of fossil fuel since natural gas is one of the main resources to generate electricity



Research questions

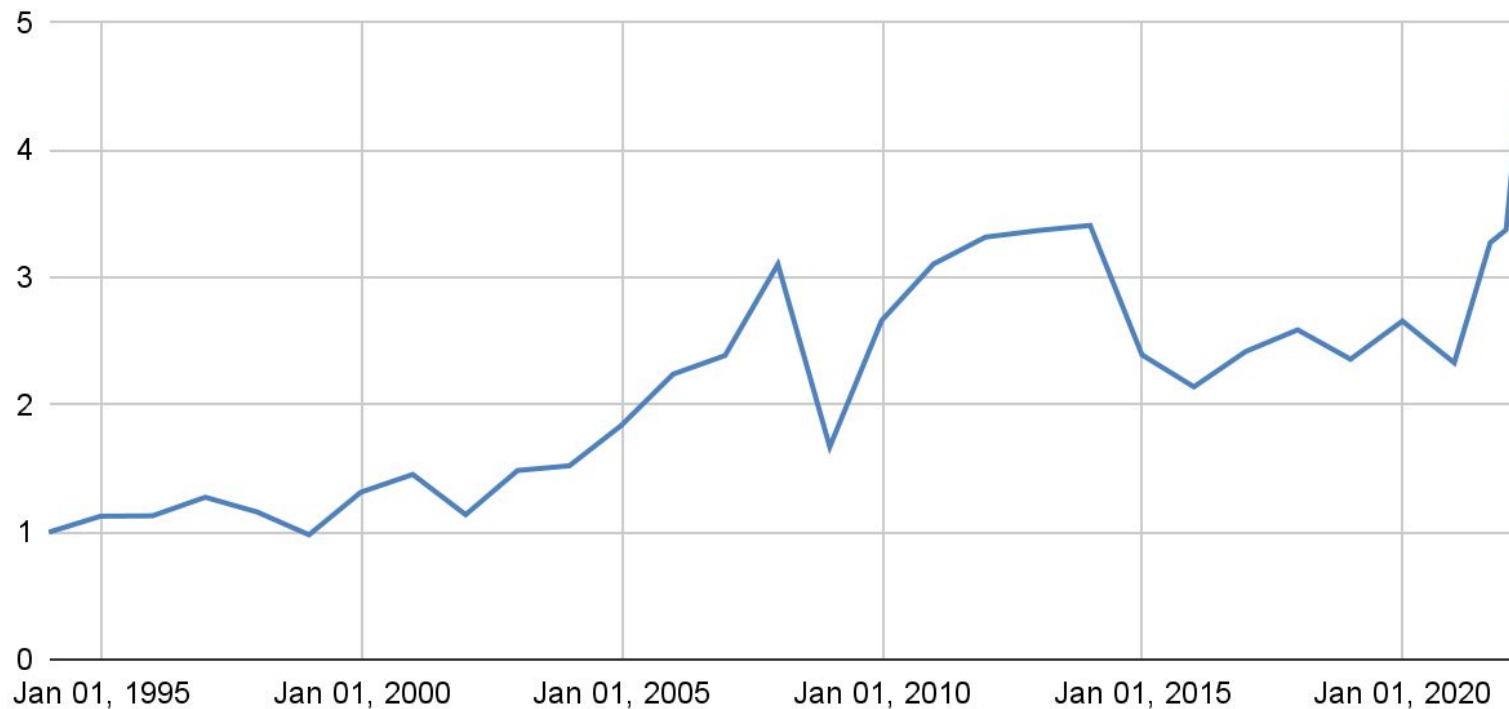
- **How are the price for fossil fuel been for the last decade comparing to the price of producing electricity?**
- **What are other efficient ways to generate electricity besides fossil fuel?**
- **How do electrical vehicles and traditional combustion vehicles compare in usage and efficient mileage?**

Hypothesis

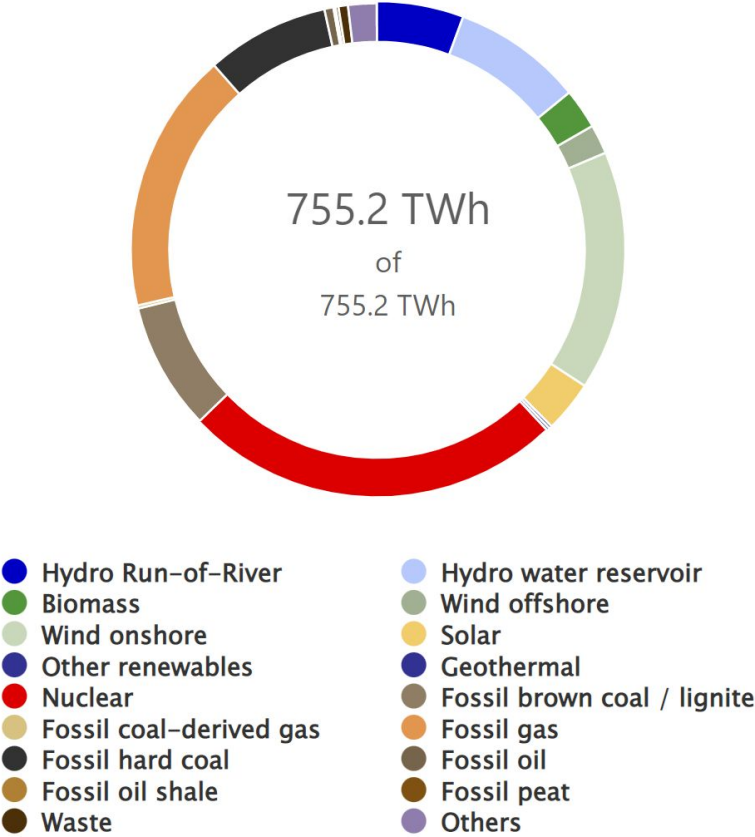
_ Replacing traditional combustion vehicles with electric vehicles would not be an easy task, but in doing so, it will reduce the cost and fossil fuel dramatically and prevent the greenhouse emission, since electricity can be generated and consumed with lesser effort.

Data & Visual Models

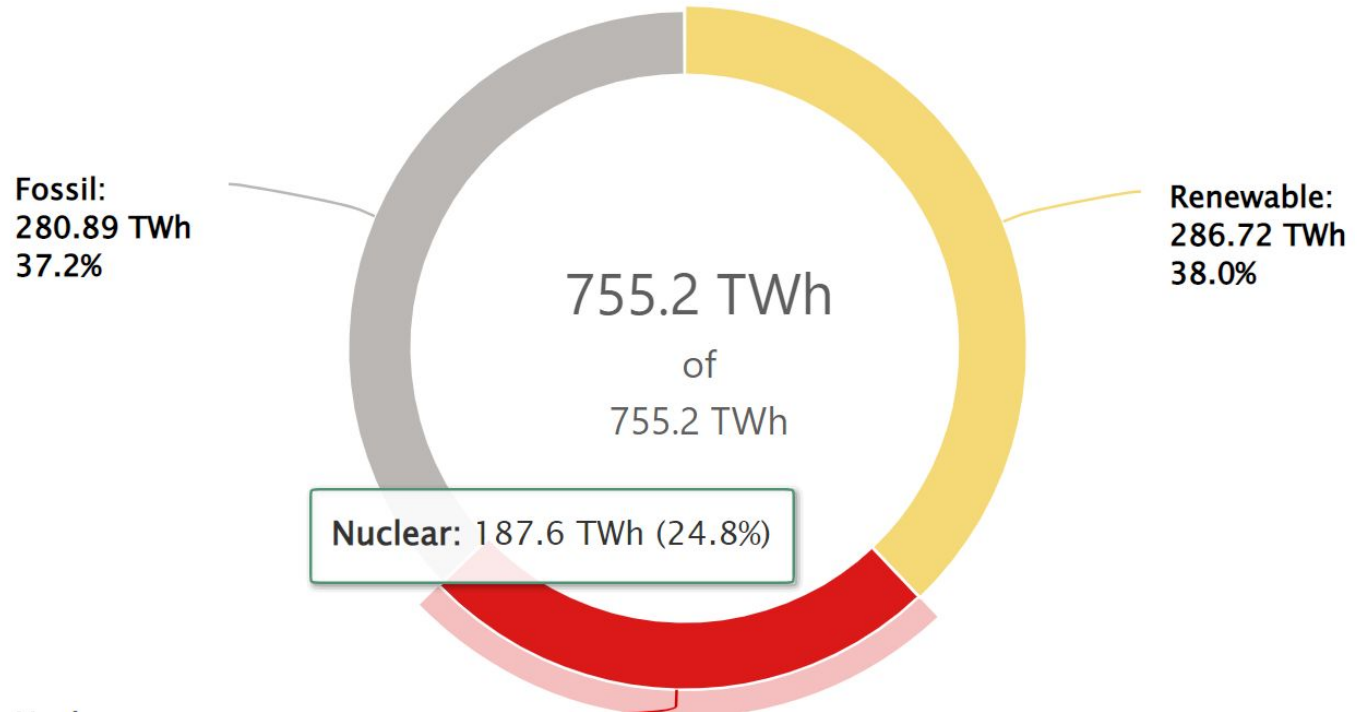
Weekly U.S. All Grades All Formulations Retail Gasoline Prices (Dollars per Gallon)



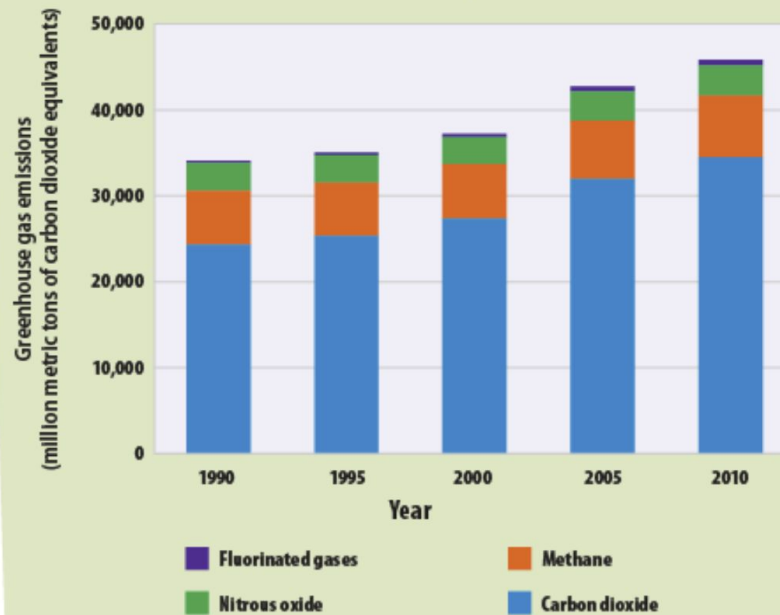
Annual electricity generation in EU
2022

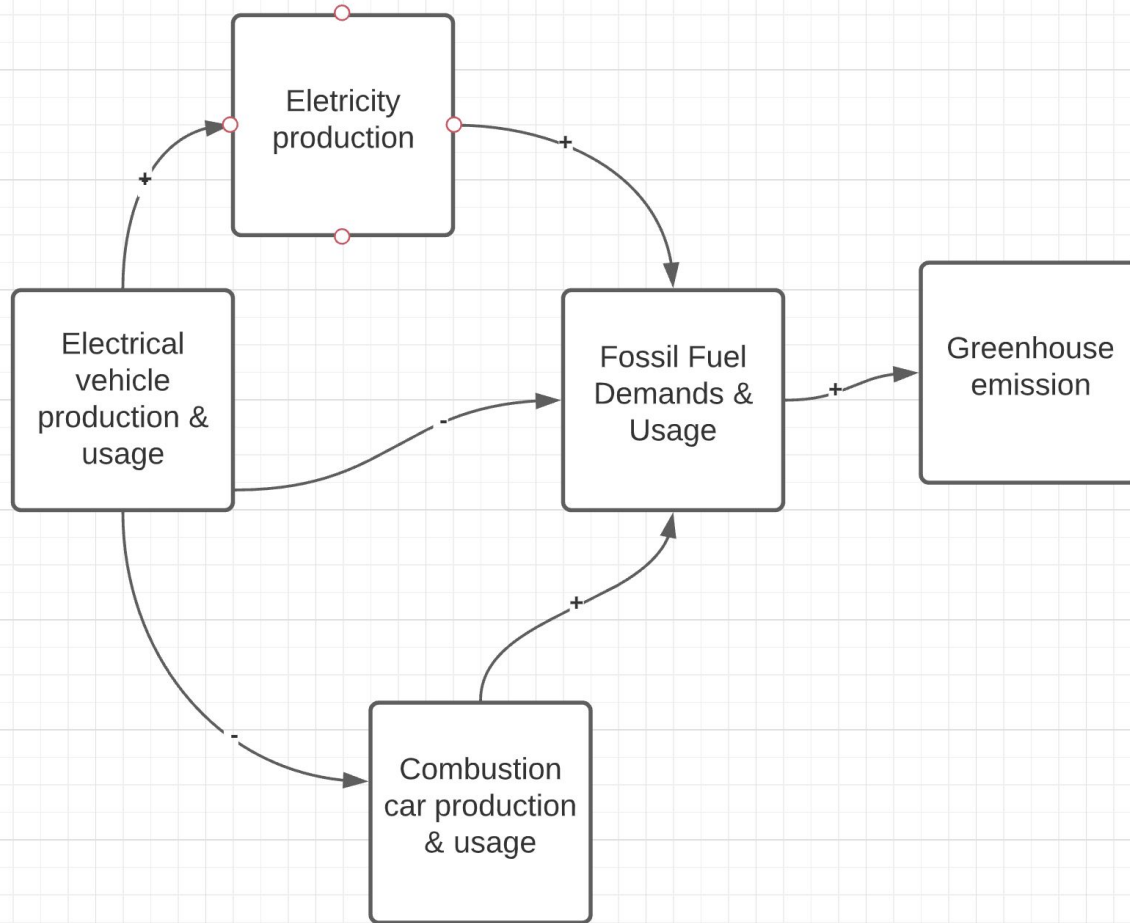


Annual electricity generation in all available
countries in 2022 (Simplified)



Emissions of Greenhouse Gases Worldwide (1990–2010)





Conclusion

_ As data has shown, the price for natural gas is increasing steadily throughout the years, and so is the greenhouse emission. Moreover, with only a third of electricity is generated by natural gas, this means increasing in demands for electric vehicles would very likely to increase the usage of natural gas, but in a smaller scale comparing to using combustion vehicles. These datas encourage the replacement of combustion vehicles, with electric vehicle. As for Christian perspective, Numbers 35:33 (ESV) wrote “You shall not pollute the land in which you live, for blood pollutes the land, and no atonement can be made for the land for the blood that is shed in it, except by the blood of the one who shed it”, which told us humans to protect the Earth as well as prevent pollution and other human-made calamity.

Works Cited

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