CLIMATE CASH

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How can we invest in green energy while still maintaining a stable economy?

Abstract

We aim to focus our research on the economics of fossil fuels, green energy, and similar plans like the Green New Deal. In order to attain this goal, we plan to create a guideline/plan in order to make green energies cheaper and to gradually move away from dirty energies.

Background

The Green New Deal is a resolution, and its main goal is to help prepare for and/or stop climate change.

Politicians, researchers and activists are working to foster a green energy economy. Moreover, Green energy is expensive for consumers and producers creating more conflict.

Project Goals/Objectives

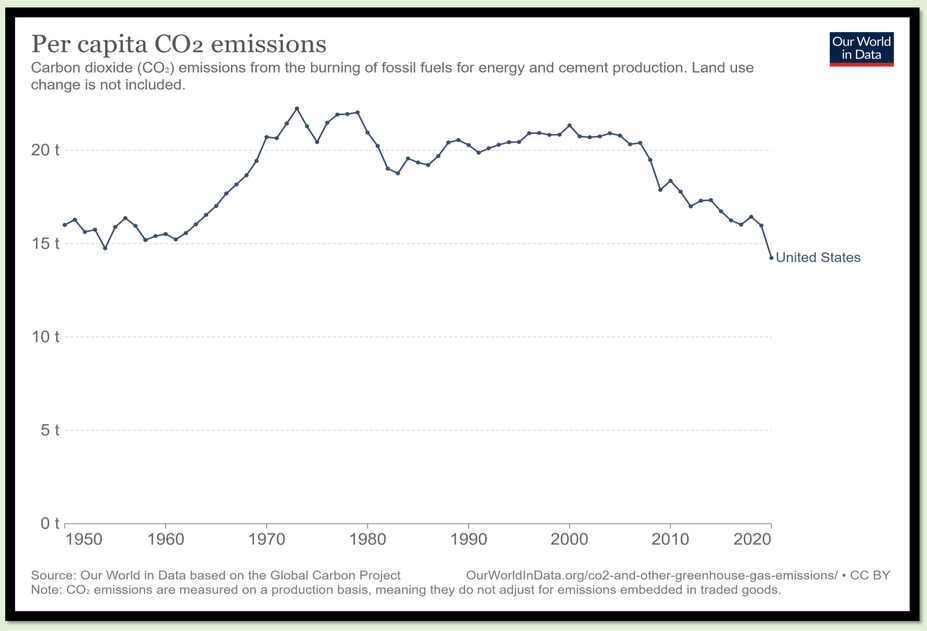
- Research on Green energy benefits
- Research on Fossil Fuel in the economy
- Green New Deal influences
- Creating a foundation, or guidelines to keep the economy stable while switching to green

San Diego Case Study

Performance	
Total power consumption	17579 MWh/yr
Total power generation	25056 MWh/yr
Total domestic hot water production	90109 m^3/yr
Air storage energy density (ASED)	873.6 MJ/m^3
Occupied space energy density (OSED)	99.25 MJ/m^3

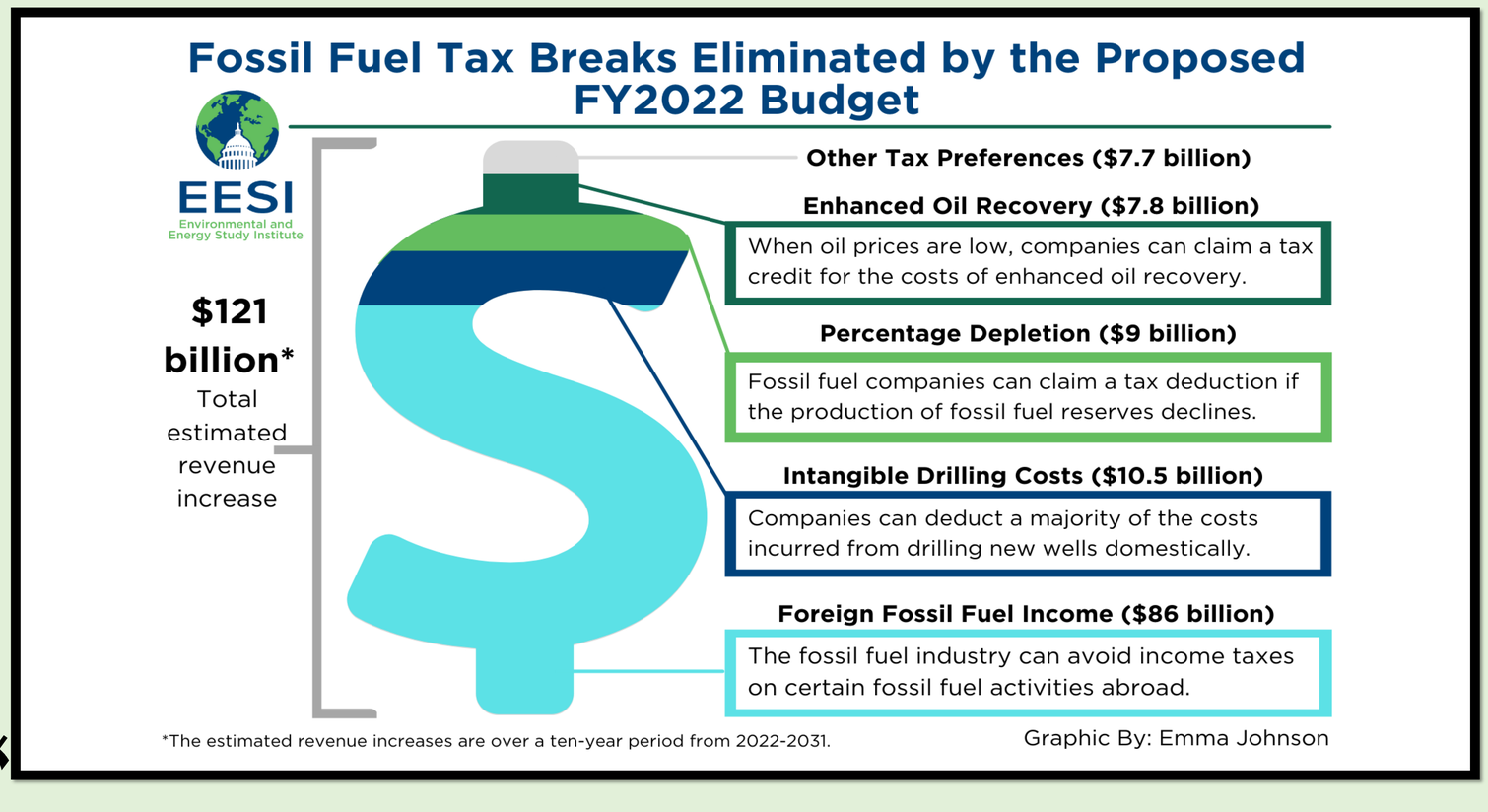
Economic	
Capital cost	25.91 $M
Overall profit	137.4 $M
Payback period	2.417 yr

Environmental	
CO_2 emission reduction	5109 ton/yr
Environmental cost reduction	122613 $/yr
Green space and plants creation	9 ac/yr



Research Summary

- Clean energy opportunities
- Green energy technology (San Diego case study) and South Africa case study
- The economics on non-green businesses
- Economic strategies to transition to rewindable energy
  - Experience curve
  - Investing in green energy
- "Costs change people's decisions" - Prof. Smith



Solution/Future Plan

- Create a way to lower costs of green energies with subsidies towards the people or towards the companies producing these technologies
- Finding alternative uses for the dirty energies now not being used
- Subsidies
  - Incentivizing consumers to buy
  - Disincentivize big companies from emitting carbon

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Acknowledgments

- Professor Alexander Smith