

Proposal

Abstract

This report seeks to analyze the United States Energy Information Administration's (EIA) published data of electricity generation from renewable resources to determine if federal incentive programs for renewable energy project investment have had a statistically significant impact on adoption rates. The policies reviewed by this report include the 2005 Energy Policy Act (Bush Jr. (R)), the 2007 Energy Independence and Securities Act (Bush Jr. (R)), and the 2009 American Recovery and Reinvestment Act (Obama (D)).

Problem to solve?:

Whether federal programs have shown enough incentive for continued investment in the renewable energy industry and if continued investment is advisable.

Who is the client and why do they care about this problem?:

The clients would be the federal government, private investors, and entrepreneurs. This report would inform the federal government about which incentive programs assisted, offered resistance, and/or had no effect on renewable energy electricity production in the U.S. This analysis would also inform private investors about potential growth opportunities or lack thereof in the renewable energy industry. The investigation about the continued impacts these policies have had and will have in the future can inform potential entrepreneurs about potential growth (or lack thereof) in this space.

What data is in use?:

EIA open-source data:

[Primary Energy Overview](#)

[Net generation, United States, all sectors, monthly](#)

[Solar Electricity Net Generation](#)

[Renewable Energy total Production and Consumption by Source](#)

Outline methods of a solution:

Compare and contrast monthly totals, average means, and graphical trend lines of renewable energy generation before and after policy ratification.

What are your deliverables?:

A paper report with self-generated graphical representations of trends and outcomes.