

Navigating Federal Regulations: How Policies Impact Regional Businesses

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Agenda



Introduction

An Increasing Regulatory Environment

Discussion of E3+ and Model Simulation

Model Results

Conclusion

Q&A

About Us



We are the nation's leader in dynamic local, state and national policy modeling.

From the start, REMI has sought to improve public policy through economic modeling software that informs policies impacting our day-to-day lives.

We were founded in 1980 on a transformative idea: government decision-makers should test the economic effects of their policies before they're implemented.

At REMI, we're inspired by a single goal: *improving public policies.*



what does **REMI** say?sm

About Us



At REMI, we're inspired by a single goal: *improving public policies*.

Our models are built for any state, county, or combination of counties in the United States.

Our Representative Clients

Our model users and consulting clients use REMI software solutions to perform rigorous economic analysis that critically influences policy.



NORTH CAROLINA
Department of Commerce



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Types of Regulations



- Clean Air Act, 1963: Amended several times over the years. Establishes air quality standards for several pollutants, including nitrogen oxides, sulfur dioxide, particulate matter, and other VOCs.
- Clean Water Act, 1972: Passed to regulate discharge of pollutants into the nation's surface waters, including lakes, rivers, and streams, as well as wetlands and other aquatic ecosystems
- Endangered Species Act, 1973: Protects threatened and endangered species and their habitats.

The Impact of Government Regulations on Businesses



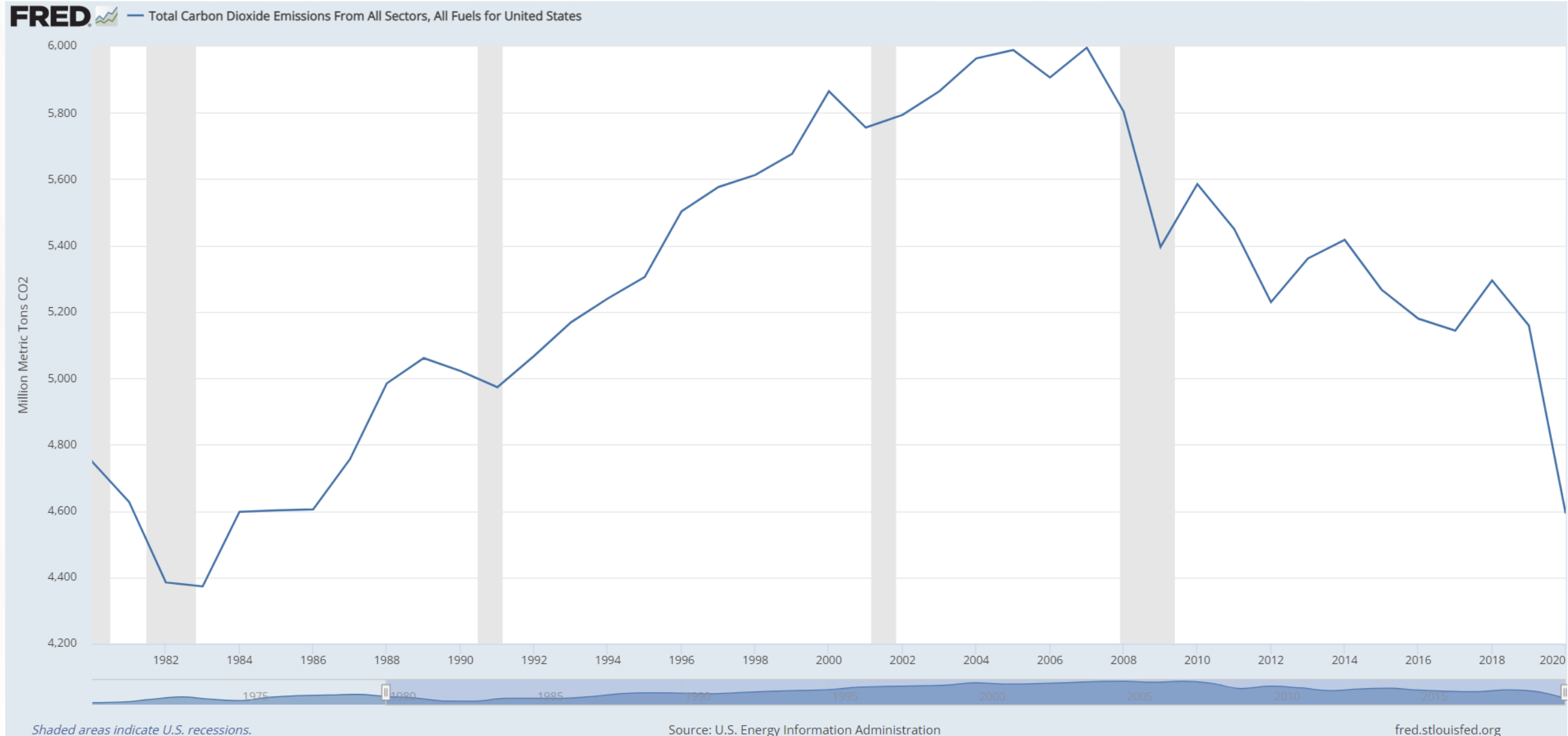
- EPA regulations on emissions and water quality can impact industries such as manufacturing, energy, and transportation
- Regulations can create cost increases for businesses (Are costs passed down to consumers?)
- Regional impacts as businesses choose to shift their operations to other regions with less regulations.

The Impact of Government Regulations on People



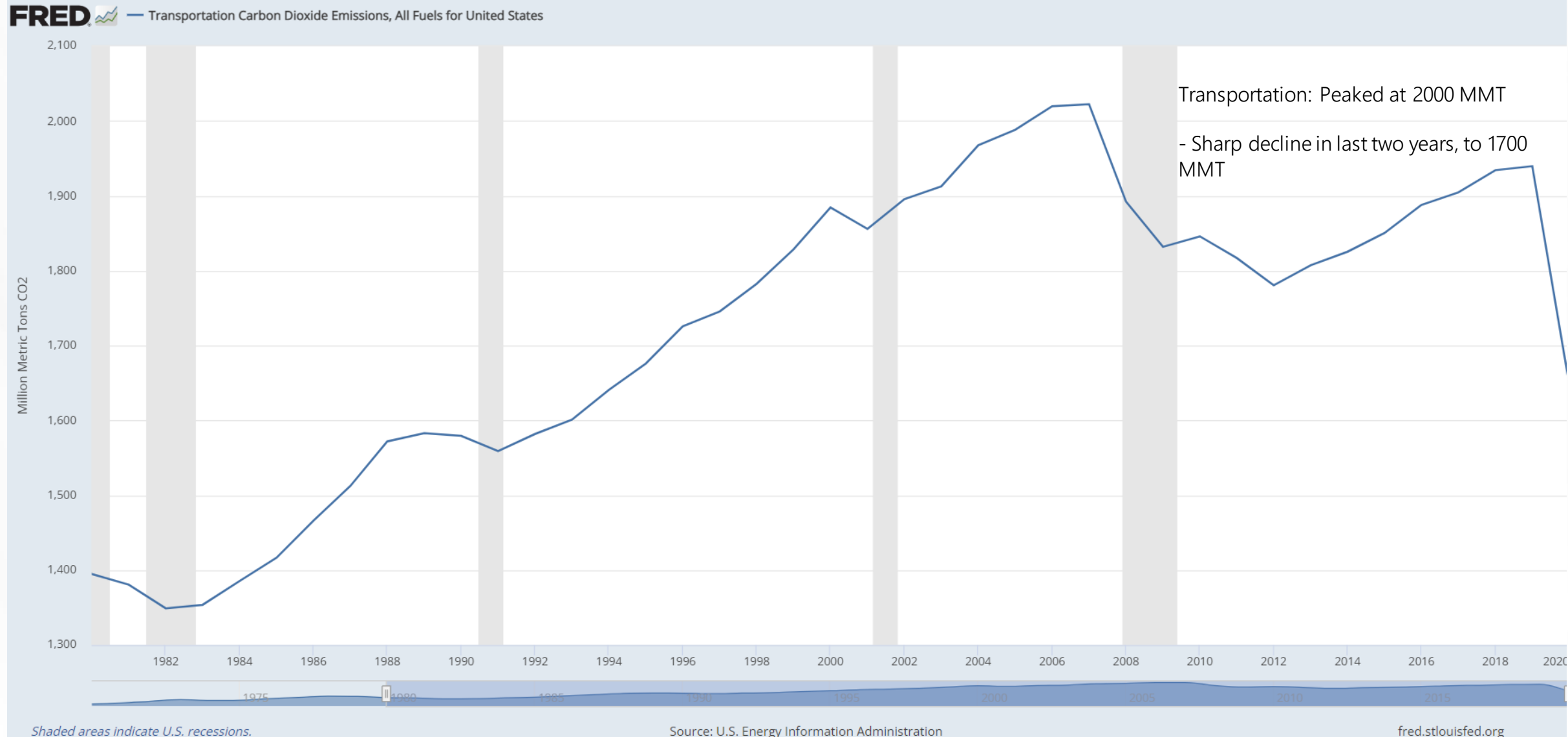
- Improved air and water quality
- Safer products
- Energy efficiency (less costs?)
- Increased costs: EPA regulations can lead to increased costs for businesses, which may be passed on to consumers
- Choice: regulations may lead to a reduction in options

CO2 Emissions From All Sectors, 1980-2020



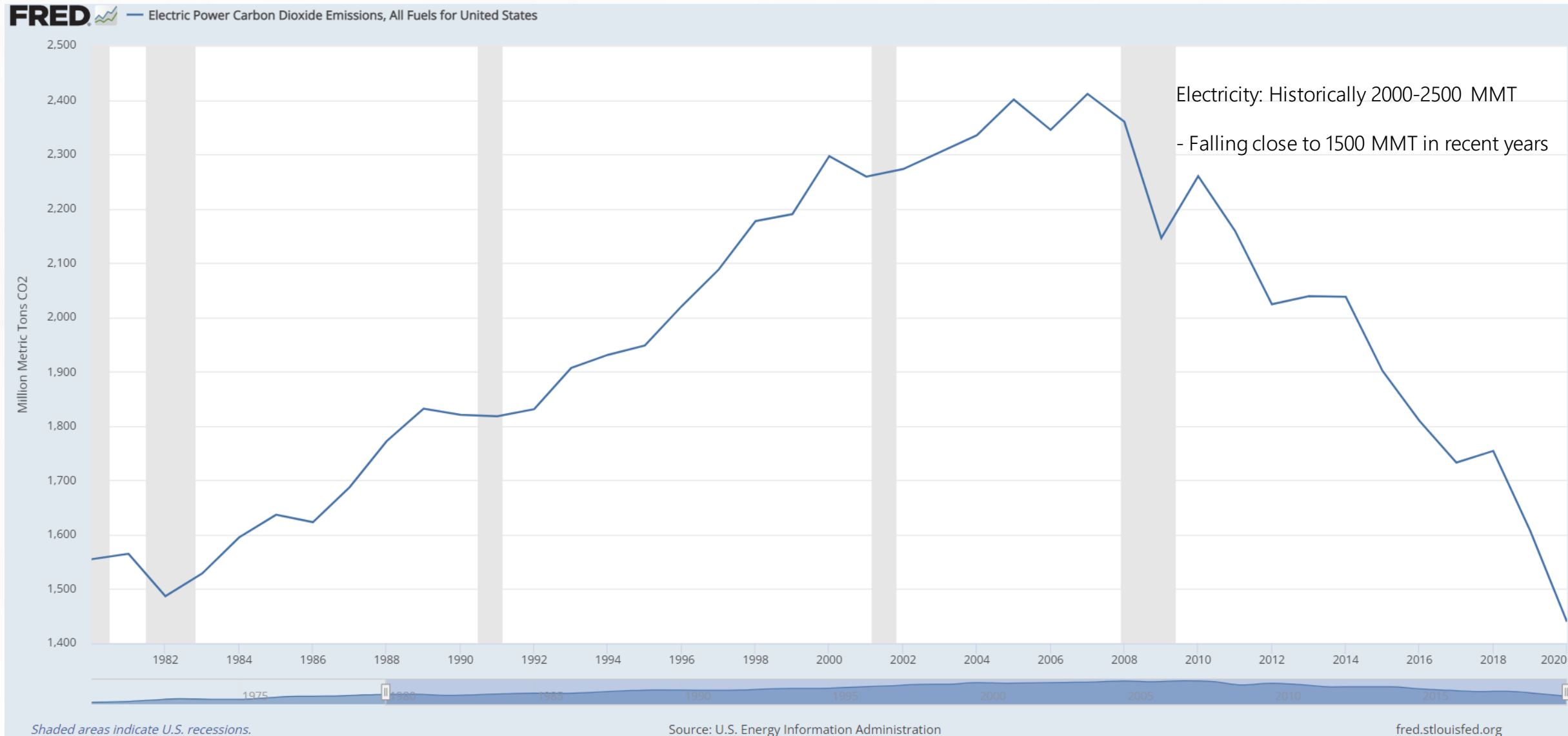
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CO2 Emission, Transportation Sector, 1980-2020



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CO2 Emission, Energy Sector, 1980-2020



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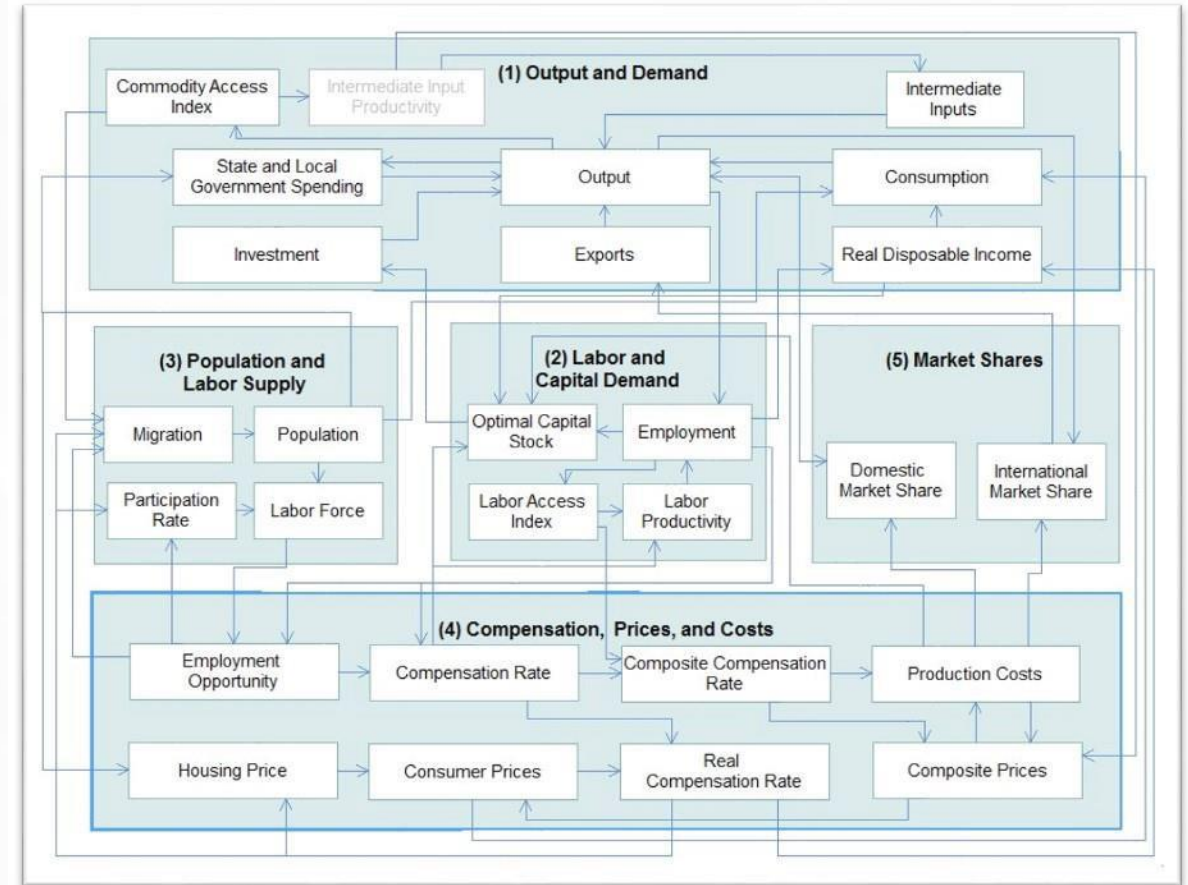
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Model Simulation: REMI E3+



E3+ is the premier software solution for analyzing the macroeconomic and demographic impacts of any initiatives related to the energy and environmental sectors.

Decision-makers depend on E3+ to provide comprehensive evaluations of the total economic impact of altering electric rates, introducing new power sources, investing in the production of energy, and other policy changes.



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Model Simulation: Set Up



Model

- 10 Region, 160-sector E3+ model
- Regions are : UNY East Central, UNY West, LI - Long Island, NYC - Metro NY, Rest of NY, Rhode Island, Cape Cod, Eastern MA, Central MA, Rest of MA

Scenario

- Increase production costs for oil and gas extraction industry (NAICS: 211)
- Increase consumer price for: Motor Vehicle Fuels, Fuel Oil and other Fuels, Electricity, Natural Gas
- Amenity increased each year: Represents a quality of life measure; an area with a positive amenity is considered to have a high quality of life – in this case, represents better air quality

Years

- Permanent regulation, introduced in 2024
- Forecast: 2024- 2040

Thank you for attending!

For more information, please contact
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