# Can Carbon Taxes Fund Climate Investments?

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Committee for a Responsible Federal Budget

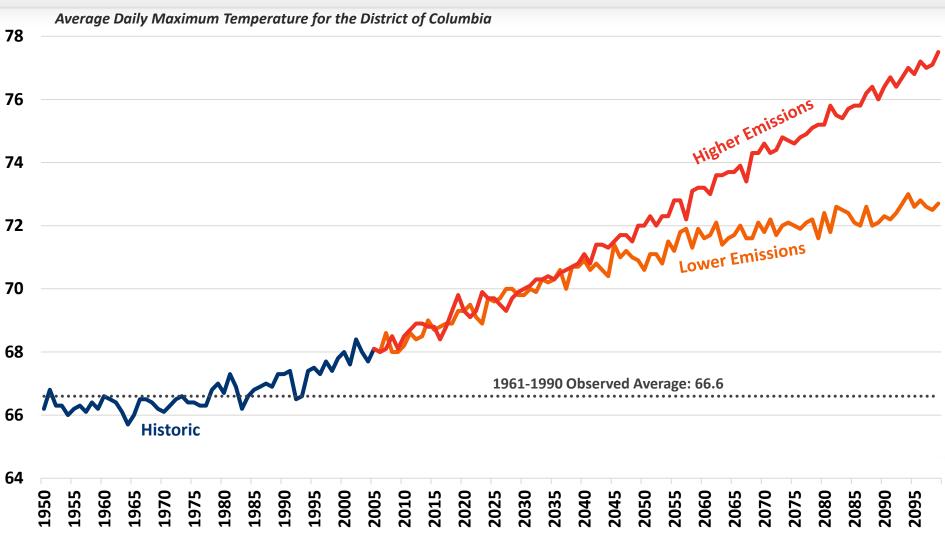
June 2022



COMMITTEE FOR A
RESPONSIBLE FEDERAL BUDGET



## **Global Temperatures are Rising**

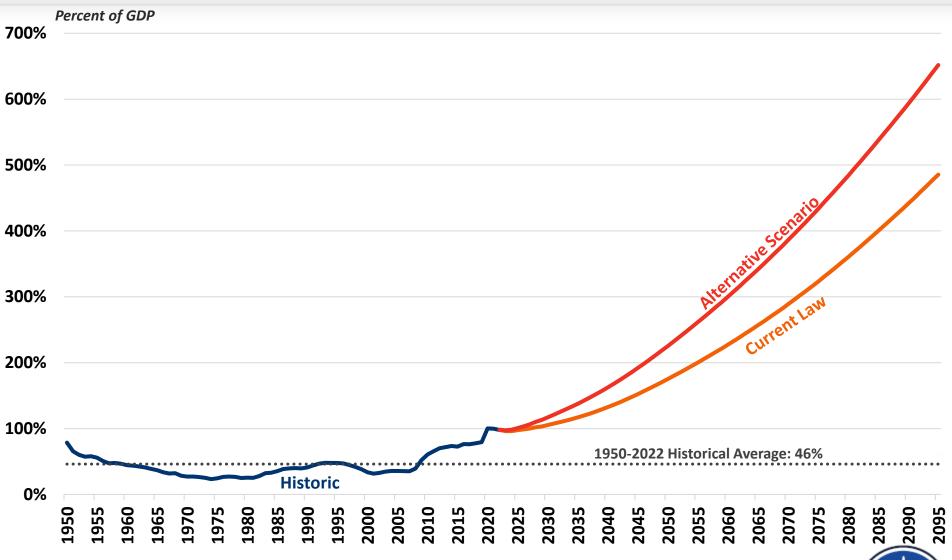


Note: "Lower Emissions" assumes humans stop increasing global emissions of heat-trapping gases by 2040 and then dramatically reduce them through 2100. "Higher Emissions" assumes humans continue increasing emissions of heat-trapping gases through 2100. Lines represent weighted means of several model results.



Sources: The Climate Explorer, Climate.gov.

#### **And So Is Our National Debt**



Note: "Alternative Scenario" assumes extension of individual tax cuts in the TCJA, extension of various tax extenders, maintaining extended funding levels from the Bipartisan Infrastructure Law, and discretionary spending growing at the rate of GDP.

Sources: Committee for a Responsible Federal Budget, Congressional Budget Office.



#### **Debt and Climate Are Both Generational Threats**

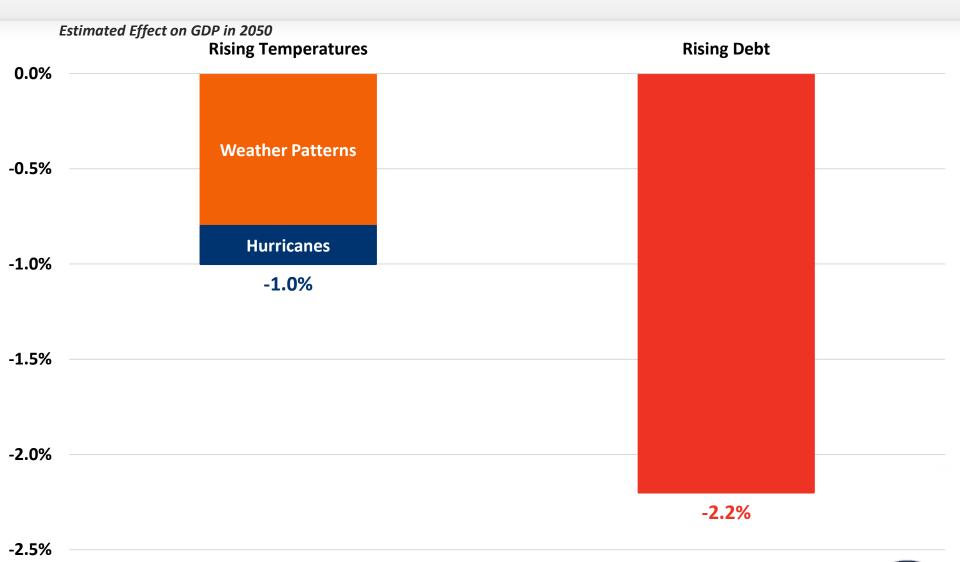
#### Rising Debt and Rising Temperatures Both:

- Stem from activities with clear benefits today (low taxes, government services, electricity, transportation)
- ➤ Gradually worsen over time, making it difficult to notice or attribute changes from year to year
- ➤ Are beginning to cause disruptions today (drought, inflation)
- ➤ Will impose the largest pain on the future, mainly on those too young to vote or not yet born

(There are also differences – climate change is much more difficult to reverse than rising debt, for example)

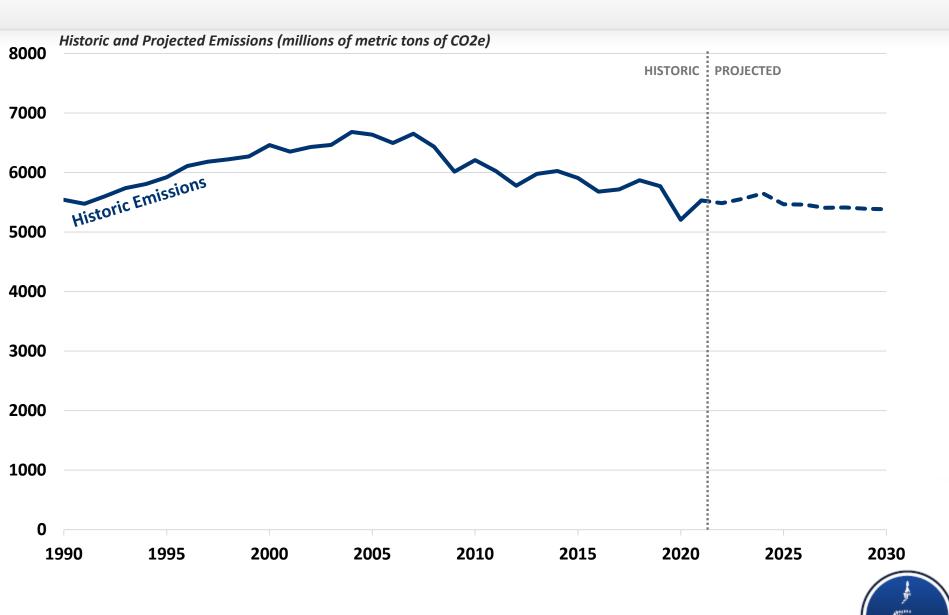


#### **And Both Would Reduce Output**

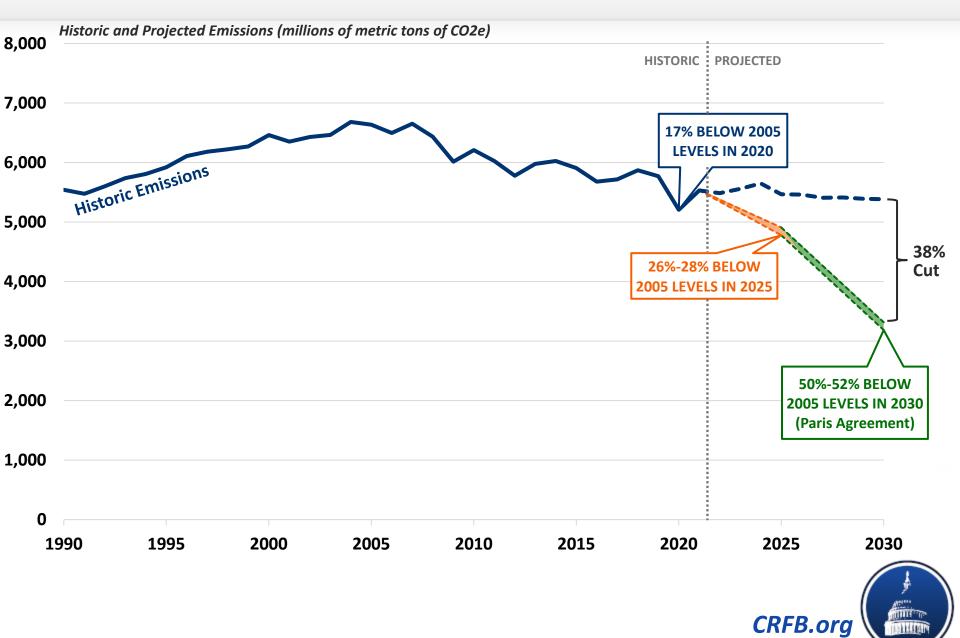




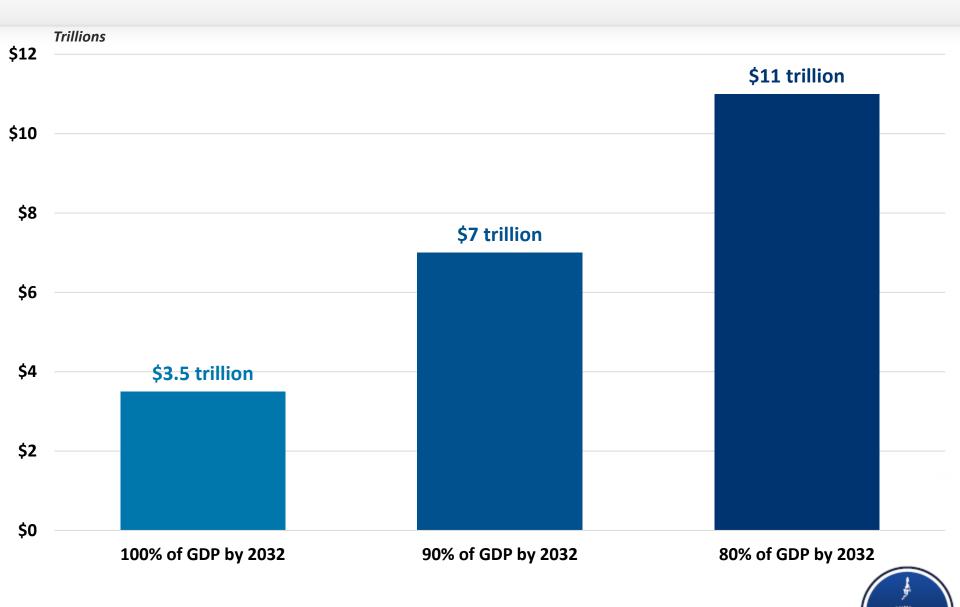
#### **US Emissions Have Flattened**



#### But We Need to Cut them ~40% To Meet Paris Goals



#### We Need Trillions of Deficit Reduction to Fix the Debt

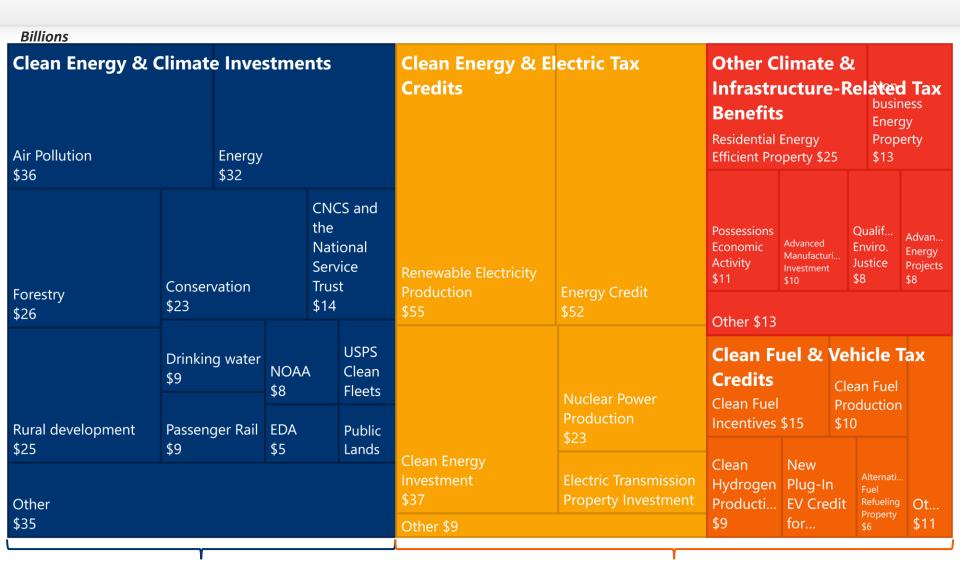


#### **Energy Innovation Helped Us to Model Some Options**

## ENERGY POLICY SOLUTIONS



#### Build Back Better Would Reduce Emissions, Cost \$550 billion

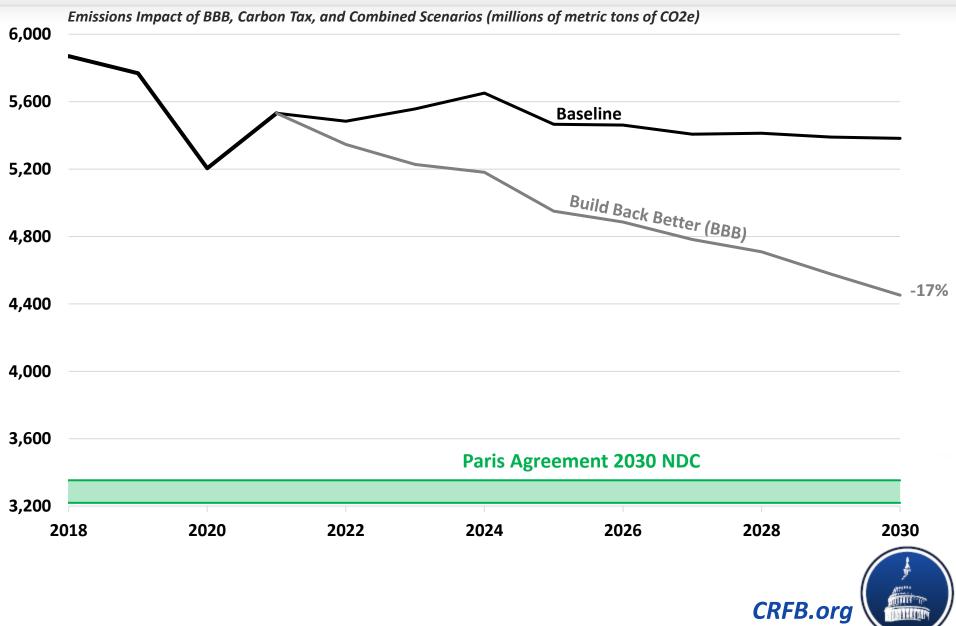


Spending: \$235 billion Tax Breaks: \$335 billion

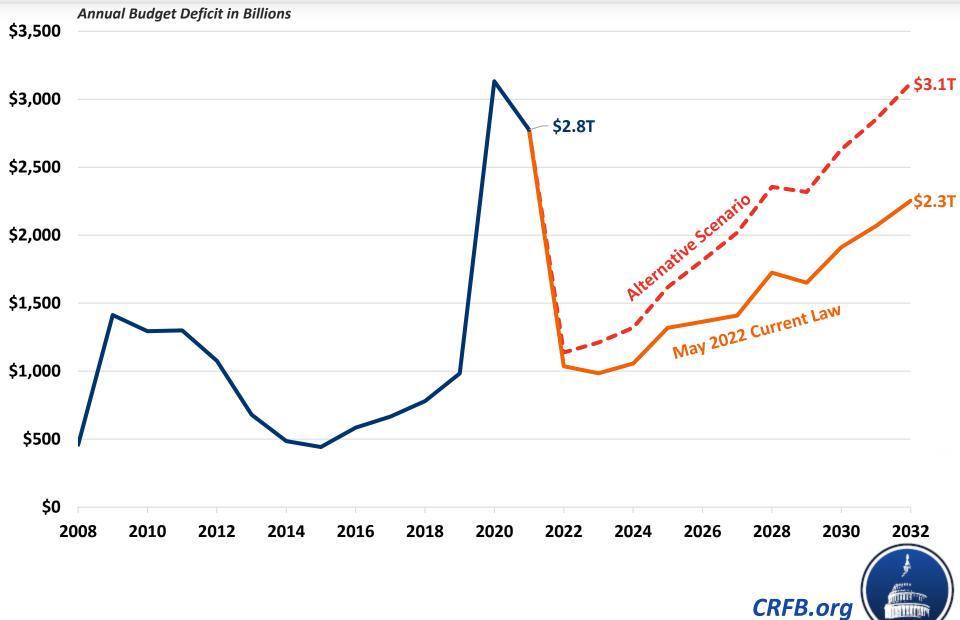
Note: Chart does not include revenue from methane fee, Superfund fee, or offshore wind leasing.

Sources: Committee for a Responsible Federal Budget, Congressional Budget Office, Joint Committee on Taxation.

#### **But It Would Still Leave Us Far From Paris**



## And Would Require More Taxes, Spending Cuts, or Debt



Sources: Committee for a Responsible Federal Budget, Congressional Budget Office.

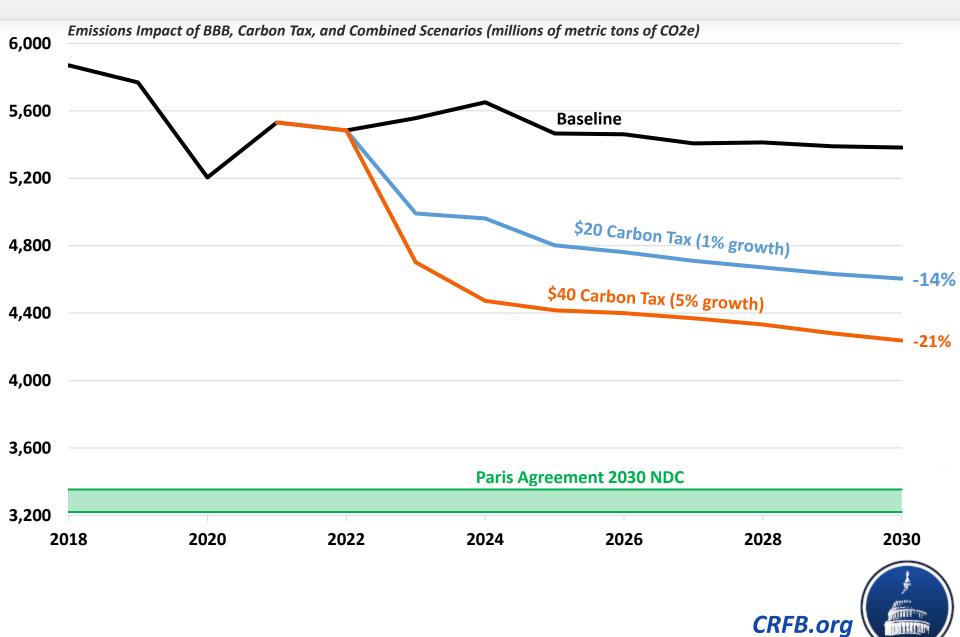
#### Instead, We Could Pass a Carbon Tax

#### A Carbon Tax Could:

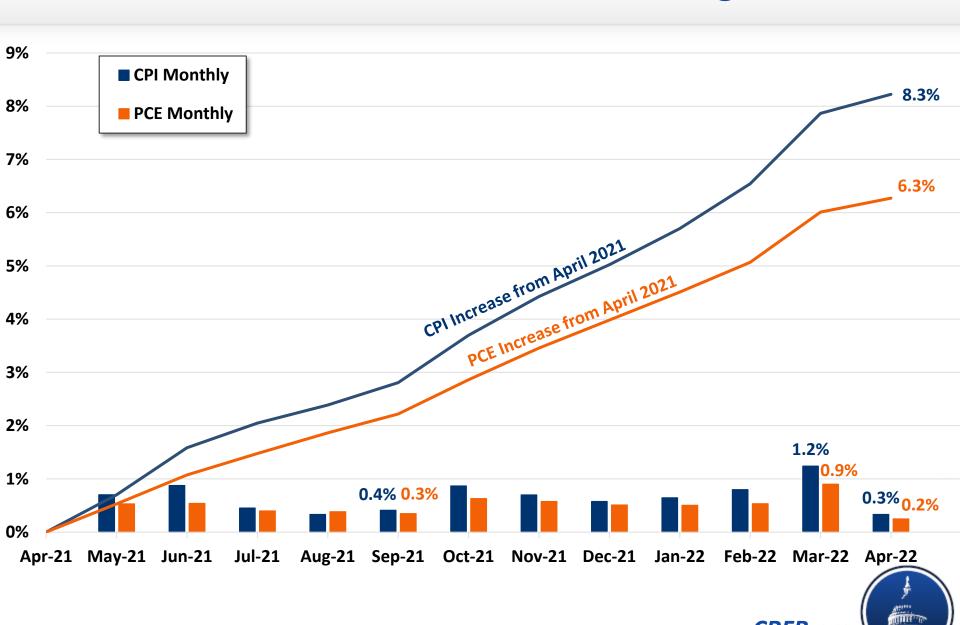
- ➤ Appropriately price the "externality" of climate change
- ➤ Encourage *efficient* market-driven shifts toward cleaner consumption and production
- Allow us to price imports to promote emissions reductions abroad, including in China and India
- Incentivize the development of new technologies
- ➤ Raise \$1 to \$2 trillion over the next decade



#### **But It Would Still Leave Us Far From Paris**



#### And It Could Raise Prices At a Time of High Inflation



#### **But What if We Combined the Two?**



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#### Can a Carbon Tax Fund Climate Investments? April 7, 2022

Though the Senate will not consider the <u>House-passed Build Back Better Act (BBB)</u>, there has been some discussion of reviving the legislation's climate provisions as part of a new package that would also be designed to promote energy independence, reduce prescription drug costs, raise revenue, and reduce deficits.

The House-passed Build Back Better Act financed spending and tax breaks through a combination of tax increases on corporations and high earners, prescription drug savings, and near-term borrowing (along with <u>arbitrary policy expirations</u>).

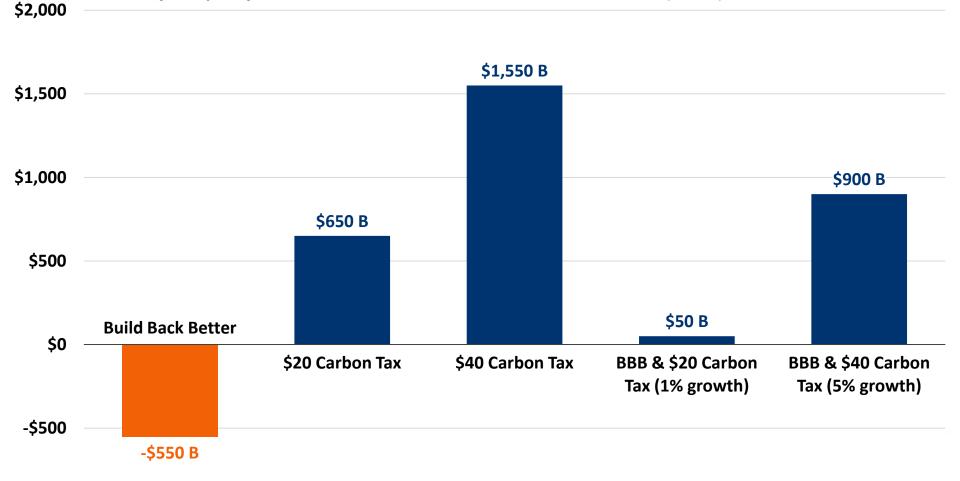
In this analysis, we consider the implications of coupling the Build Back Better Act's climate provisions with a carbon tax or other carbon pricing mechanism. We rely heavily on helpful modeling from *Energy Innovation: Policy & Technology LLC* for this analysis. Based largely on modeling from *Energy Innovation*, this analysis finds:

The Build Back Better Act's climate provisions would cost roughly \$550 billion



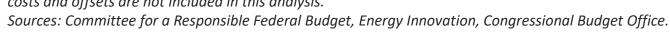
#### A Carbon Tax Could Pay for Climate Investments

Ten-Year Deficit Impact of BBB Climate Provisions, Carbon Tax, and Combined Scenarios (billions)



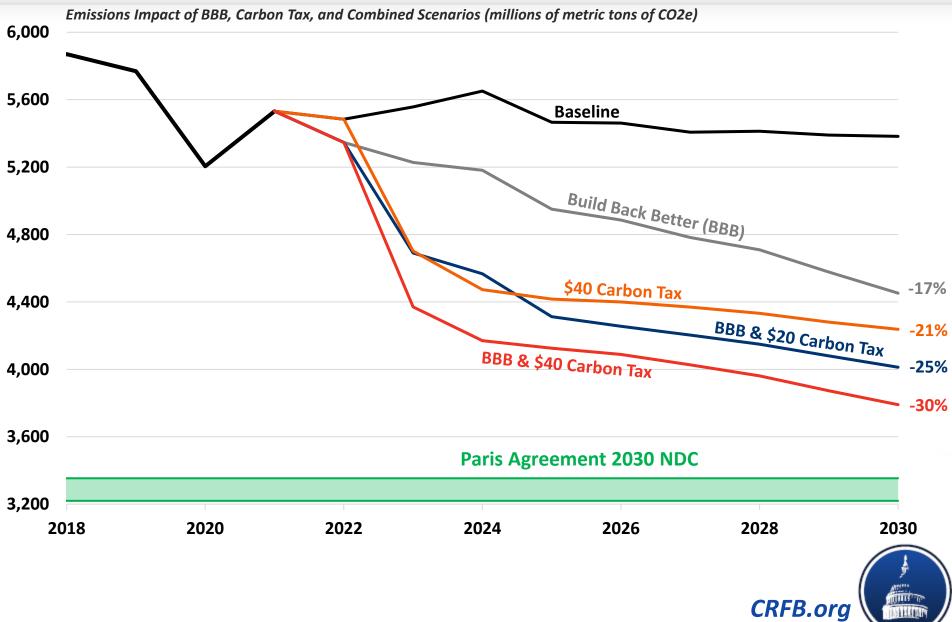
-\$1,000

Note: Positive numbers indicate deficit reduction; negative numbers indicate deficit increase. Non-climate costs and offsets are not included in this analysis.

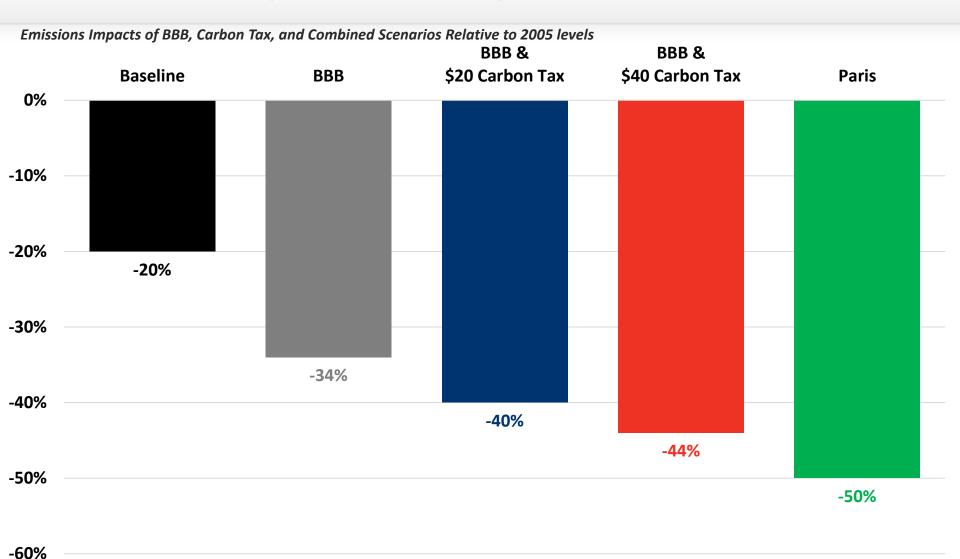




## Together, They'd Reduce Emissions Significantly



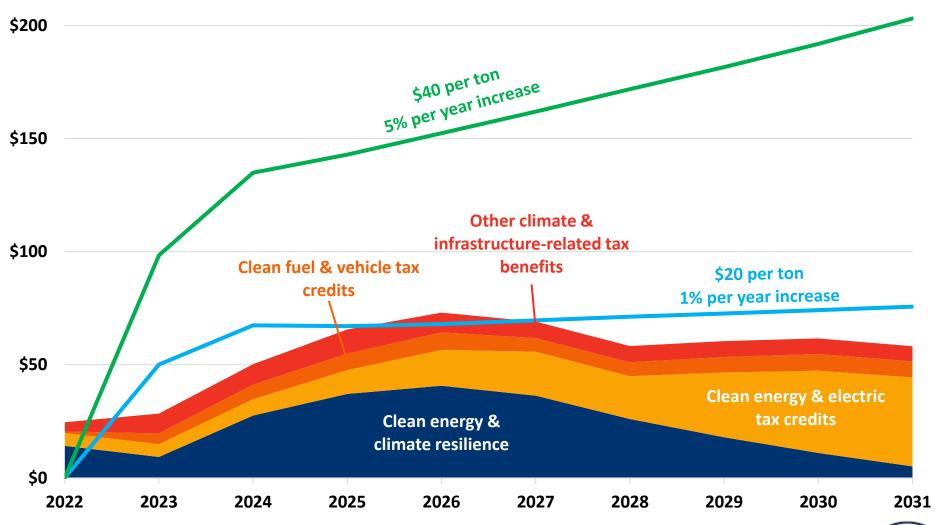
## **Putting Us in Spitting Distance of Paris**





#### While Raising Substantial New Revenue

Cost of BBB Climate Provisions and Projected Revenue from Carbon Taxes (billions)



Note: Non-climate costs and offsets are not included in this analysis.

Sources: Committee for a Responsible Federal Budget, Energy Innovation, Congressional Budget Office.



#### Which Could Be Used for Many Purposes

Cut the Payroll Tax rate by percentage points

Replace Gas Tax and make HTF
PERMANENTLY solvent

Issue an ANNUAL rebate of

\$265 = per person







#### **A Final Summary Table**

Fiscal and Emissions Impacts of BBB, Carbon Tax, and Combined Scenarios

	Ten-Year Fiscal Impact	Percent Change in 2030 Emissions
<b>Build Back Better Climate Provisions</b>	-\$550 billon	-17%
\$20/ton carbon tax (1 percent growth)	+\$650 billion	-14%
\$40/ton carbon tax (5 percent growth)	+\$1.55 trillion	-21%
Build Back Better + \$20/ton carbon tax	+\$50 billion	-25%
Build Back Better + \$40/ton carbon tax	+\$900 billion	-30%

Note: Positive numbers indicate deficit reduction; negative numbers indicate deficit increase. Non-climate costs and offsets are not included in this analysis.

Sources: Committee for a Responsible Federal Budget, Energy Innovation, Congressional Budget Office.



#### **Get Involved**

Successful legislative advocacy needs citizens' voices.

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✓ Text 'CRFB' to 52886

