



UNITED STATES

Carbon Cap Critics Predict Healthy Economy under Cap-and-Trade

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The debate over global warming has prompted a number of attempts to forecast the effects of a carbon cap on the overall economy, despite the near impossibility of producing reliable forecasts. It is well documented that the actual costs to U.S. businesses of complying with the Clean Air Act, the Acid Rain Act and other environmental laws have been dramatically lower than what had once been estimated by opponents of these measures.

One study of the potential costs of a carbon cap-and-trade measure produced by the American Council on Capital Formation and the National Association of Manufacturers (ACCF/NAM) offers a new twist on this pattern. ACCF/NAM forecasts that the effects of a cap-and-trade law similar to that proposed by the Obama administration are significantly more negative than similar exercises conducted by the U.S. Environmental Protection Agency, the U.S. Energy Information Administration, and a range of private organizations. However, according to ACCF/NAM's own forecasts, a carbon cap will have only a minor impact on the U.S. economy. This is true even under the worst-case scenario that they present, what they term the "high-cost case" forecast.

With a carbon cap in place, the U.S. economy would experience healthy economic growth.

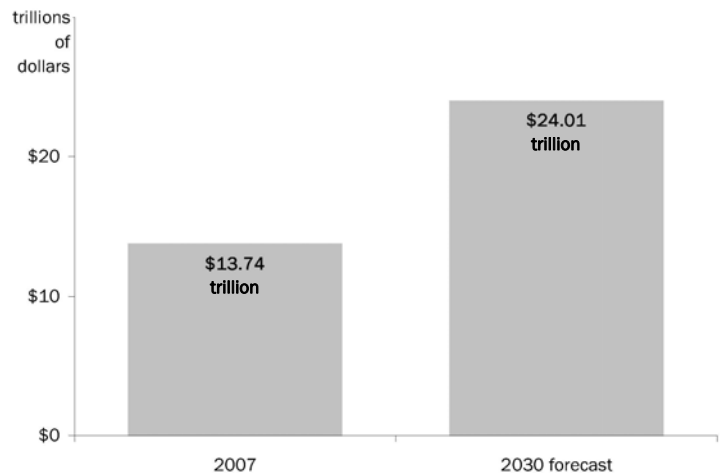
According to the ACCF/NAM "high-cost case," the U.S. economy would grow 75% between 2007 and 2030, while carbon emissions would fall by 36%.

On an annual basis, ACCF/NAM forecasts that U.S. GDP will grow between 2007 and 2030 by 2.6 percent under their baseline scenario and by 2.5 percent under their high-cost case with cap-and-trade. In terms of personal income, the ACCF/NAM forecasts imply that the average U.S. resident's income will grow at an annual rate of 1.7 percent between 2007 and 2030 under their baseline forecast, versus 1.6 percent under their high-cost case with cap-and-trade.

The various documents published by ACCF/NAM that report their forecasts focus exclusively on the minor differences between their baseline and high-cost cases. This fact sheet works directly from the ACCF/NAM's own model and data. We restate their forecasts and draw out some implications, in particular, by directly comparing their high-cost case forecasts for 2030 relative to actual economic conditions in 2007.

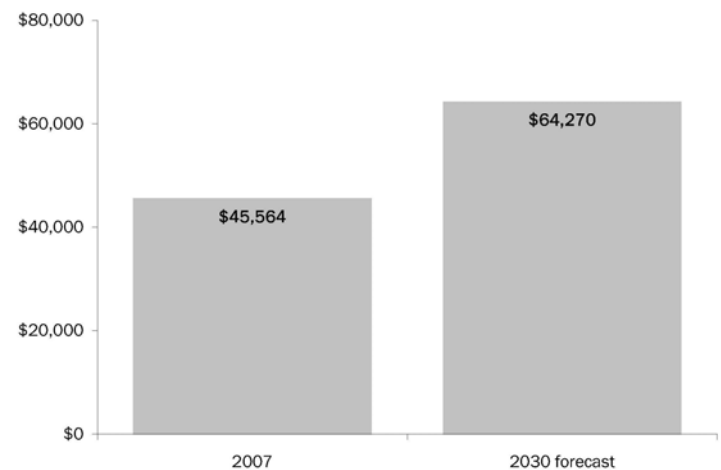
1. United States GDP under ACCF/NAM high-cost scenario

GDP rises by \$10.2 trillion, or 75%, by 2030 with cap-and-trade



2. Average income per person under ACCF/NAM high-cost scenario

Income increases an average of \$18,706, or 41%, by 2030 with cap-and-trade





UNITED STATES (PAGE 2)

As will be clear, our presentation of the ACCF/NAM's own forecast results provides a sharply different perspective from that offered by ACCF/NAM itself.

UNITED STATES GDP

In 2007, the United State's level of total economic output—its GDP—was \$13.7 trillion. According to the ACCF/NAM high-cost case forecast under a carbon cap program, as of 2030, U.S. GDP will have risen to \$24.0 trillion. This is an increase of \$10.3 trillion, a rise of 75 percent (Figure 1).

INCOME PER PERSON

In 2007, the average income for residents of the United States (GDP per capita) was \$45,614. According to the ACCF/NAM high-cost case with a carbon cap, in 2030, the average income for U.S. residents will be \$66,023 (Figure 2). This is an increase of \$20,206 per person, or 45 percent.

EMPLOYMENT OPPORTUNITIES

In 2007, about 146 million people were employed in the United States. Under the ACCF/NAM high-cost case forecast, 163 million people will have jobs in 2030, an increase of 16.9 million jobs, or 11.5 percent. This forecast takes no account of the increased job opportunities that will result through investments in energy efficiency and renewable energy such as those included in the Obama stimulus program. Clean energy investments produce roughly 3.5 times more jobs per dollar than spending on oil, coal, and natural gas, because they require relatively more spending on people and less on equipment, and require fewer imports. If we assume that 25 percent of U.S. energy spending shifts from fossil fuels to clean energy as of 2030, this would likely increase employment by about 2.5 million jobs relative to the ACCF/NAM high-cost case forecast, for a total of 165.4 million jobs (Figure 3).

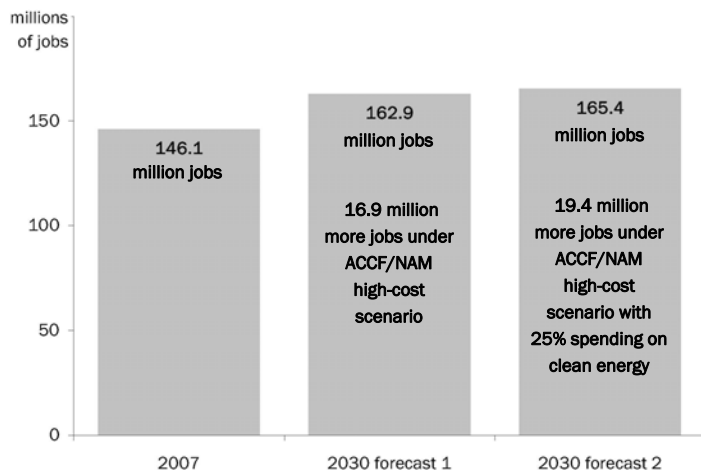
FIGHTING GLOBAL WARMING

Under the ACCF/NAM high-cost case forecast under a carbon cap program, in 2030 average Americans will be about 45 percent richer than in 2007. They will also enjoy substantial improvements in public services. They will gain these benefits while making major advances toward defeating global warming. The ACCF/NAM high-cost case assumes that greenhouse gas emissions in the United States will fall by 36 percent between 2007 and 2030 (Figure 4). Their forecast does not account for the economic benefits from this reduction in greenhouse gas emissions.

Details on all figures are presented in a technical appendix at www.peri.umass.edu/emissions.

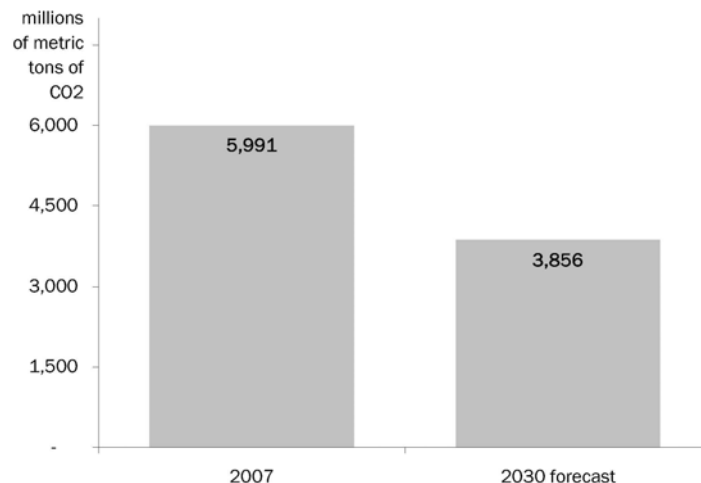
3. U.S. employment forecasts based on ACCF/NAM high-cost scenario

Employment grows by 11.5% with cap-and-trade



4. U.S. carbon emissions, ACCF/NAM high-cost scenario

Greenhouse gas emissions fall by 36% with cap-and-trade



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More information on PERI can be found at www.peri.umass.edu. For more information on this research please contact PERI at peri@peri.umass.edu.

