



The First Three Act

U.S. Senators Bob Casey and Martin Heinrich

The United Nation's Intergovernmental Panel on Climate Change (IPCC)'s [annual climate change report](#) underscores the urgent need for large scale investments in decarbonization. The report found that the pace of climate change is rapidly accelerating towards a point where successful adaptation may be difficult to impossible. In particular, significant climate mitigation is needed in the industrial sector, which accounts for more than 25% of energy use and greenhouse gas emissions in the U.S.

The First Three Act would spark critical innovation and investments in domestic industrial decarbonization technologies, ensuring the U.S. is on the path to reduce greenhouse gas emissions while boosting the competitiveness of American industry in global markets. This legislation would **establish a new program at the Department of Energy to co-fund the first three commercial applications of industrial technologies** that innovatively reduce energy use and greenhouse gas emissions. Specifically, this program would:

- **Subsidize the costs associated with being the first to develop and implement a new technology** by funding up to 60 percent of the costs of the first project of a kind, 45 percent of the costs of the second project of a kind, and 30 percent of the costs of the third project of a kind.
- **Promote rapid decarbonization of industrial sectors** by offsetting the initial cost of a technology's innovation period.
- **Provide long-term investments to allow the U.S. to participate in the global innovation race for the next decade.** The \$9.5 billion grant program would be authorized to run through fiscal year 2031 and be authorized at \$500,000,000 for fiscal year 2022 and \$1,000,000,000 for each of fiscal years through 2031.

Cosponsors: Senator Whitehouse

**Representative Kathy Castor has introduced a companion legislation in the House*

This bill is endorsed by the following organizations: American Council for an Energy-Efficient Economy, U.S. Steel, Blue-Green Alliance