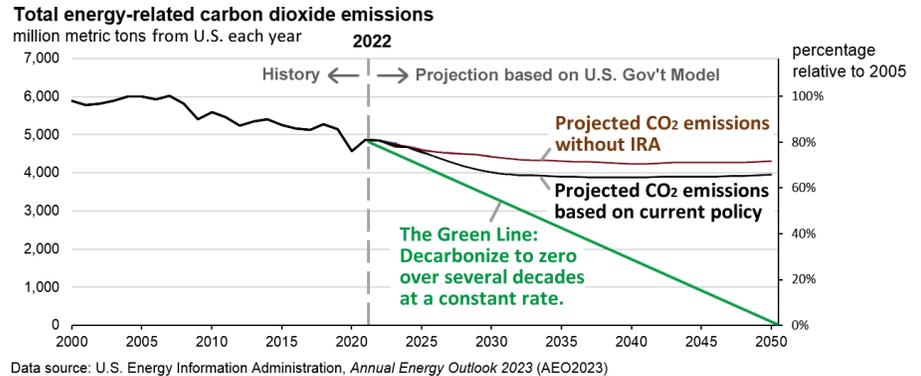


Proposed: The U.S. Decarbonization Act of 202x

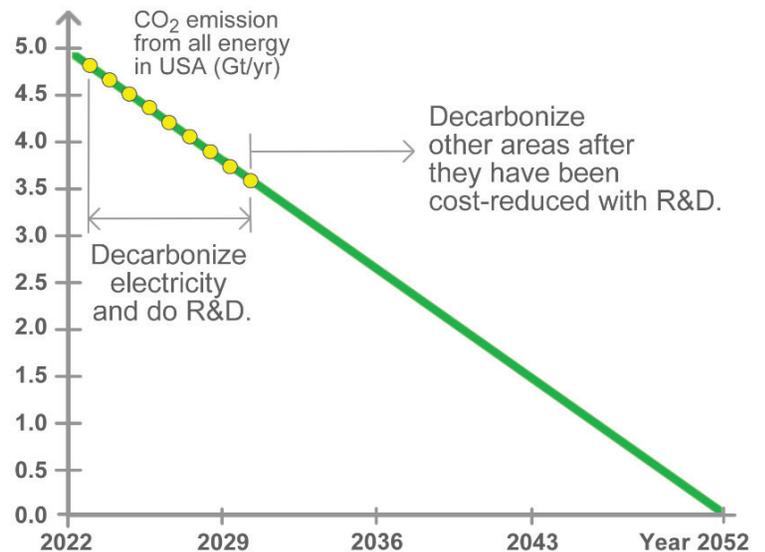
It is proposed that U.S. law require the United States to reduce CO₂ emissions to zero over 30 years, at a constant rate, and at lowest cost. It does this with two main provisions:

1. U.S. electricity is *required* to decarbonize at 6% per year, over a period of 9 years, at lowest cost. For example, 38% of electricity is made without emitting CO₂ today, 44% after year #1, 50% after year #2, etc.
2. A new R&D laboratory is set up to further reduce decarbonization costs.



The above graph shows the U.S. Energy Information Administration's (EIA) projection of CO₂ emissions from the U.S. over the next 30 years. Additionally shown is a Green Line that indicates what it would look like to reduce to zero over 30 years at a constant rate. It is the intent of this law to implement the Green Line at the lowest cost.

The U.S. emits approximately 5 billion tons of CO₂ each year. If this dropped to zero over 30 years, it would decrease by 170 million tons each year (5Gt / 30yrs). If one decarbonizes at \$40-per-ton of CO₂ reduced, for example, then 170M tons would cost \$7B in year #1 (170Mt x \$40), 340M tons would cost \$14B in year #2, etc. This would cost each U.S. citizen \$20 in year #1 (\$7Bt / 330M population), \$40 in year #2, \$60 in year #3, etc. In the typical case, this would pay the mortgage on new solar farms and new wind farms, minus the cost of carbon-based fuel that was not burned due to being replaced with green electricity. Ultimately, these expenses would appear as an increase in the cost of goods and services.



This strategy has two parts. The first 9 years are achieved mostly with electricity decarbonization. And the following 21 years are cost-reduced with R&D during the first 9 years. At this time, electricity is the only area that is ready to decarbonize at massive scales, at low cost, and with government monitoring.

For a discussion of why this is the lowest cost solution, see www.APlanToSaveThePlanet.org/da202x

For a proposed study that calculates cost and impact, see www.APlanToSaveThePlanet.org/study

For a decarbonization R&D laboratory business plan, see <https://www.aplantosavetheplanet.org/lab>