

Commercializing Breakthroughs: The Dissemination of Green Technology



imagination at work

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Zero-Cost Stabilization

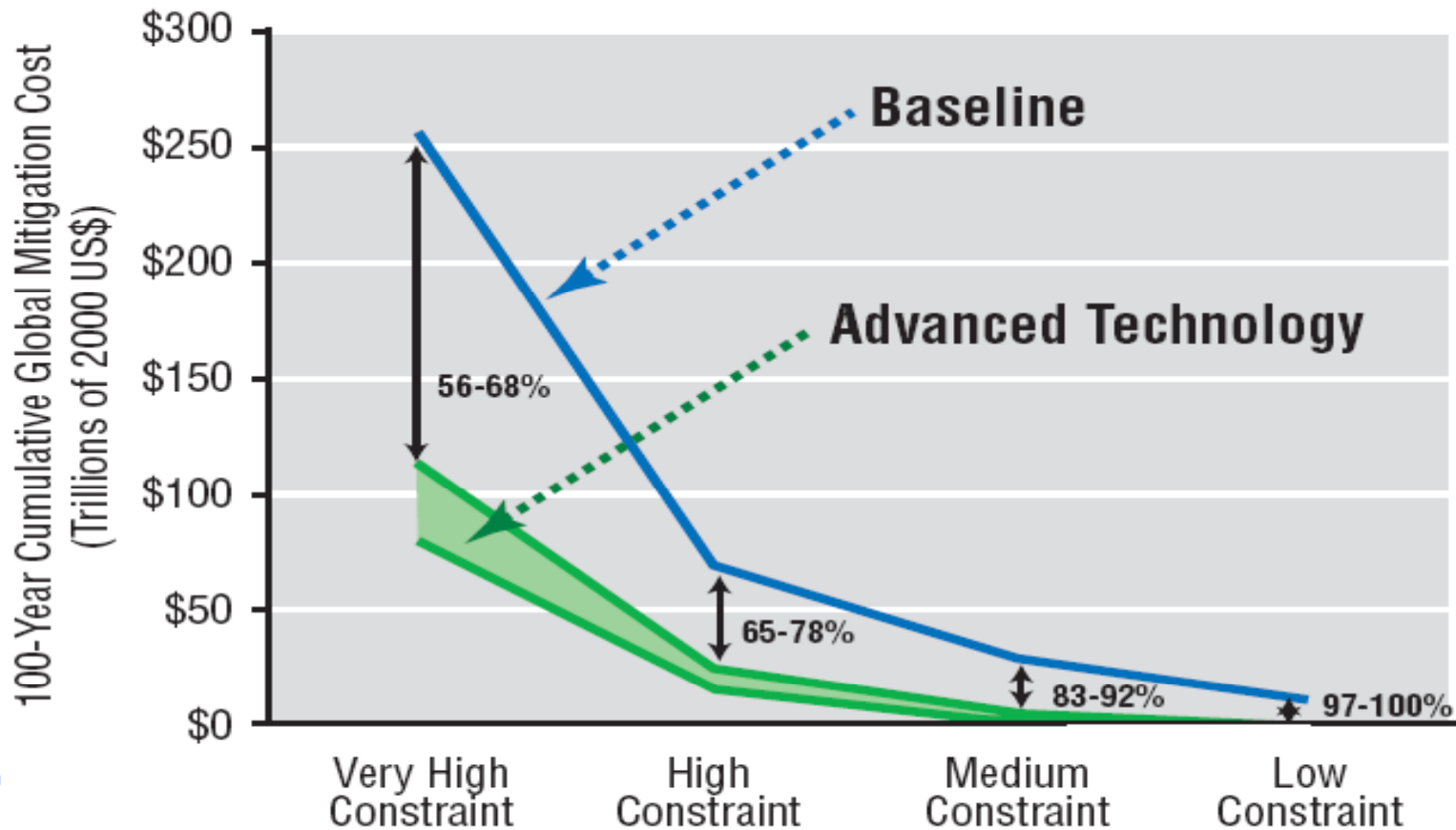
Global Warming Solutions

One study finds that if we were limited to technologies available in 2005, the present value cost of achieving stabilization at 550 ppm CO₂ would be over **\$20 trillion greater** than with expected developments in energy efficiency, hydrogen energy technologies, advanced bio-energy, and wind and solar technologies (Edmonds 2007).

Other studies have found that accelerated technology development offers the potential to **dramatically reduce the costs of stabilization**, with advanced technology scenarios reducing the cumulative costs of stabilization by **50% or more**, yielding economic benefits of **hundreds of billions to trillions of dollars globally**.

How do we get to net zero? How do we get to net zero?

Comparative analysis of estimated cumulative costs over the 21st century of GHG mitigation, with and without advanced technology, across a range of hypothesized GHG emissions constraints.



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