Financing the Future:

The Role of Investors in Addressing Climate Change

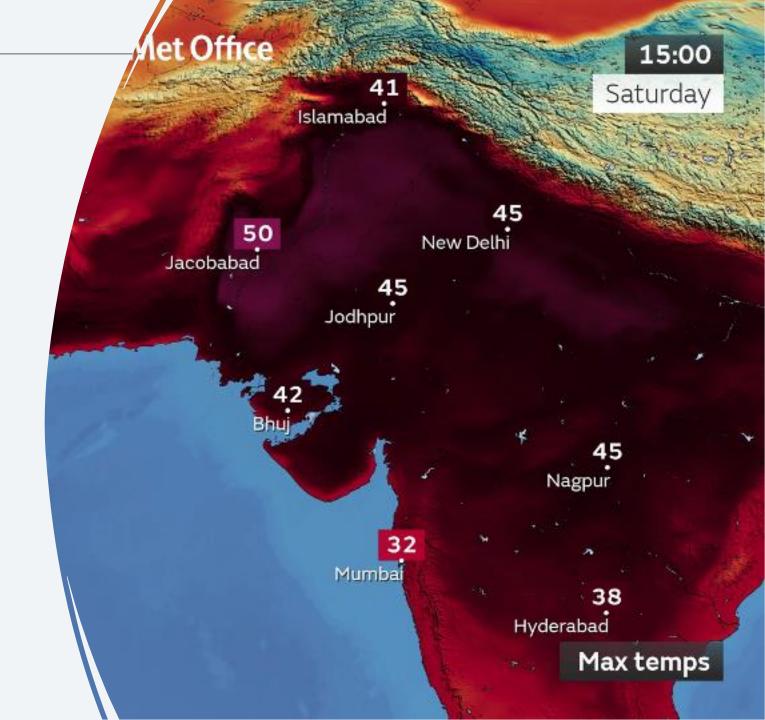
Bruce Usher

Professor of Practice
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The Tamer Center for Social Enterprise
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1. Manifestation of Physical Risks

"India could become one of the first places in the world to experience heat waves that break the human survivability limit."

World Bank Report, 2022



2. Evolving Social Norms

"I want you to act as if our house is on fire, because it is."

Greta Thunberg, Climate Activist



3. Government Action

"The Inflation Reduction Act invests \$369 billion to take the most aggressive action ever — ever, ever, ever — in confronting the climate crisis."

President Biden



Trends

4. Innovation

Tesla's all-electric Model S is "the best-performing car that Consumer Reports has ever tested."



520+mi

200mph Top Speed <2.0s

0-60 mph

Trends

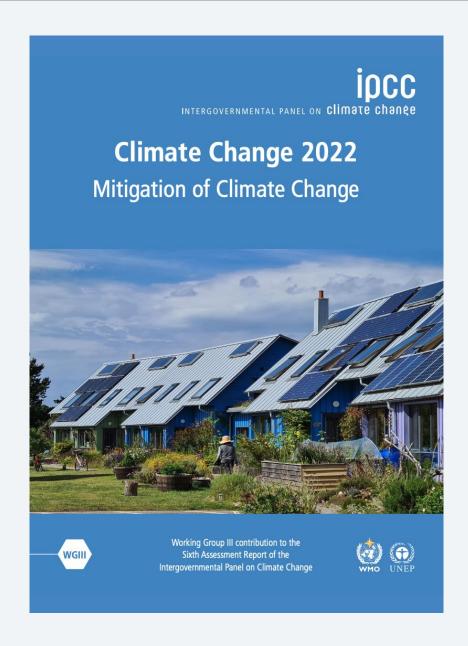
Investor Reaction

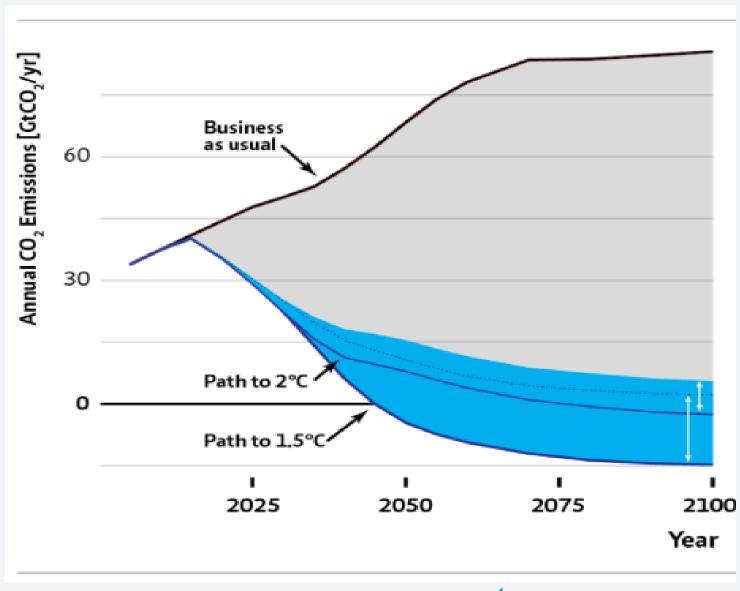
"In the near future – and sooner than most anticipate – there will be a significant reallocation of capital."

Larry Fink, CEO, BlackRock 2020 Letter to Investors

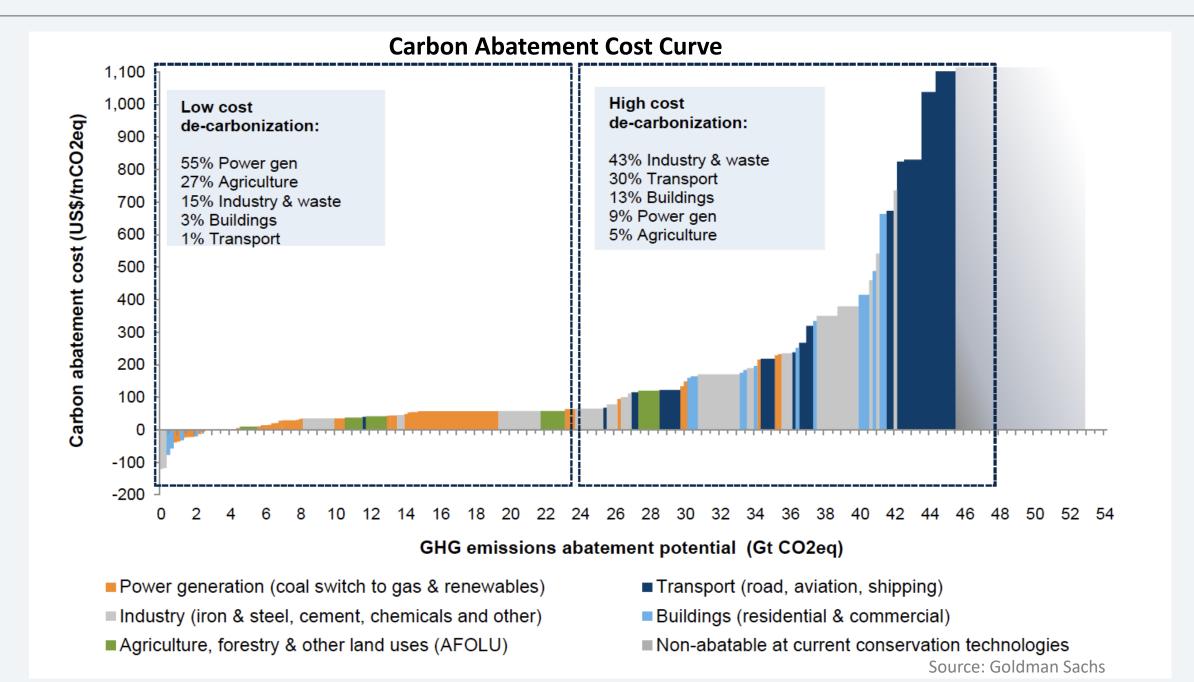


The Next 30 Years: Global Decarbonization

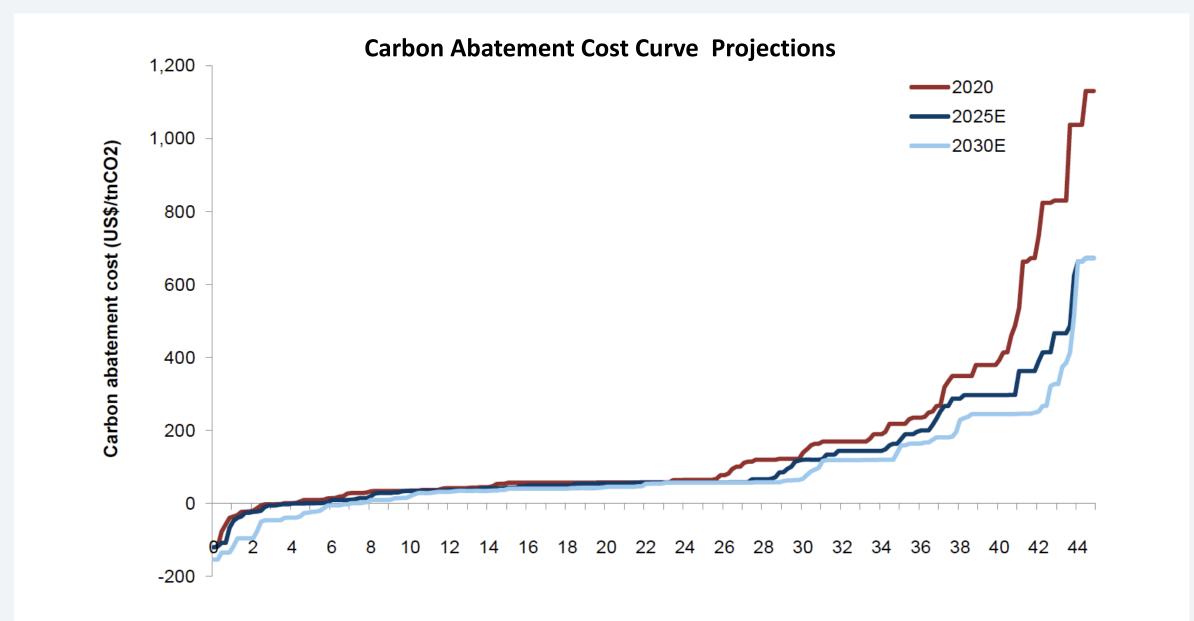




Climate Solutions



Climate Solutions



GHG emissions abatement potential(GtCO2eq)

Source: Goldman Sachs

Implications for Business Leaders

"With potentially \$3 trillion to \$10 trillion of earnings before interest and taxes up for grabs, decarbonization could present a material economic and humanitarian opportunity."

Morgan Stanley

Business Opportunities and Challenges

Business Opportunity for Entrepreneurs

Process innovation, scaling existing models

Disruptive innovation, new business models

Commercially competitive solutions eg. solar, wind, EVs

Uncompetitive climate solutions eg. green hydrogen, DAC

Winners & Losers

Lightly regulated + incumbents face org change

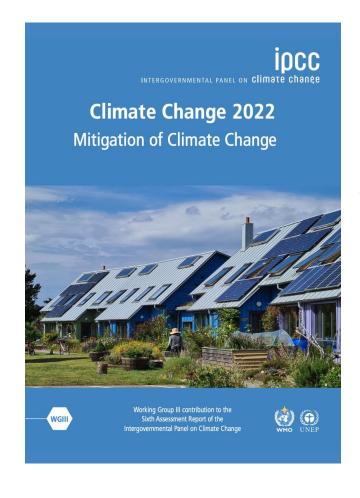
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Advantage to entrepreneurs eg autos (Tesla)

Regulatory moats + capital intensive



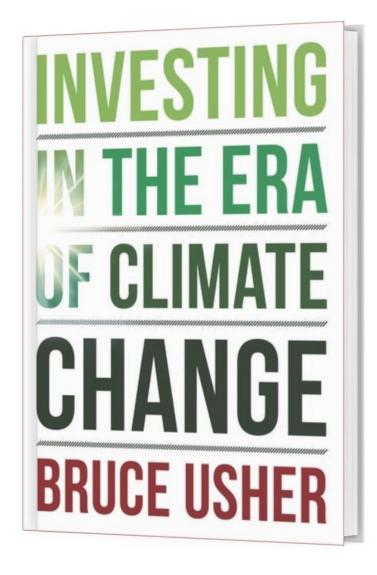
Advantage to incumbents eg utilities (NextEra)



The New York Times

Stopping Climate Change Is Doable, but Time Is Short, U.N. Panel Warns

- ➤ In the future, climate change will impact business globally, much as technology has in the past, creating winners and losers in nearly every sector.
- ➤ The low-carbon transition will provide investors with the opportunity and challenge of a lifetime.
- > Investors rising to that challenge is critical if we are to avoid catastrophic climate change.



"One of the top ten business books of the fall" — *Publishers Weekly,* June 2022

"Best new books on the environment"

- Financial Times, November 2022

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Questions?