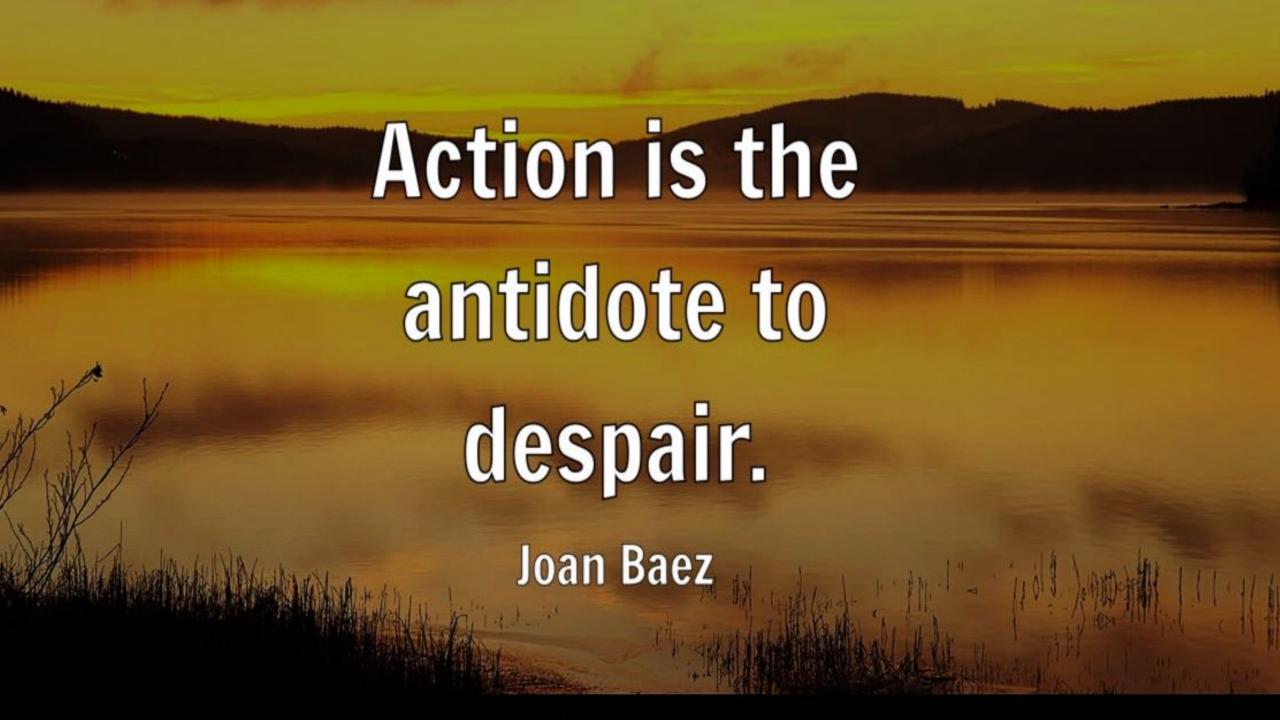




- Hopeless
- Powerless





Framework for Energy & Climate

Problem

GHG Emissions (%)

- Electricity & Heat (25%)
- Transportation (21%)
- Buildings (11%)
- Industrial Process (21%)
- Ag, Forest, OLU (18%)
- Other (4%)

Causes / Sources

Burning fossil fuels

- Coal
- Oil
- Gas
- Wood

Chemical Processes

- Cement, Steel
- Fertilizer
- Decomposition
- Other chemicals

Methane

- Leaks
- Cows

Substitutes (CleanTech)

Sources

- Sun, Wind + Batteries
- Hydro, Geothermal
- Nuclear
- Biomass
- "Green" Hydrogen

New Industrial Processes

- Carbonless Cement, Steel
- Induction heat

GHG Sinks

- Natural (oceans, land)
- Afforestation
- Carbon capture & Seques.

Barriers / Drivers

Reducing "Green Premium"

- Invention, innovation
- Learning curve
- Economies of scale
- Public cleantech subsidies
- Tax cleantech incentives
- Carbon pricing)
- R&D basic science

Vested Interests

- Regulatory capture
- Disinformation campaigns

Other Policies

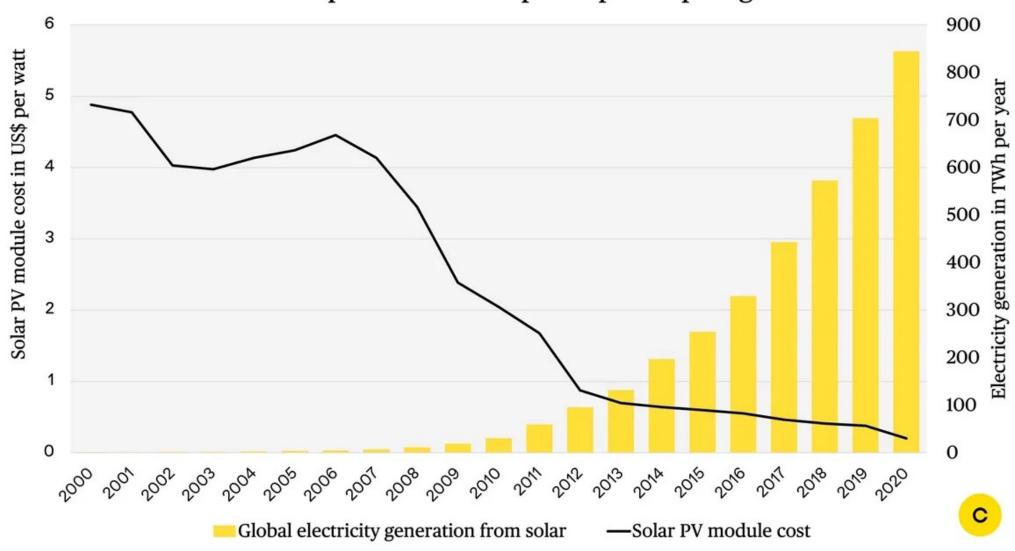
- Building codes
- Owner vs. tenants



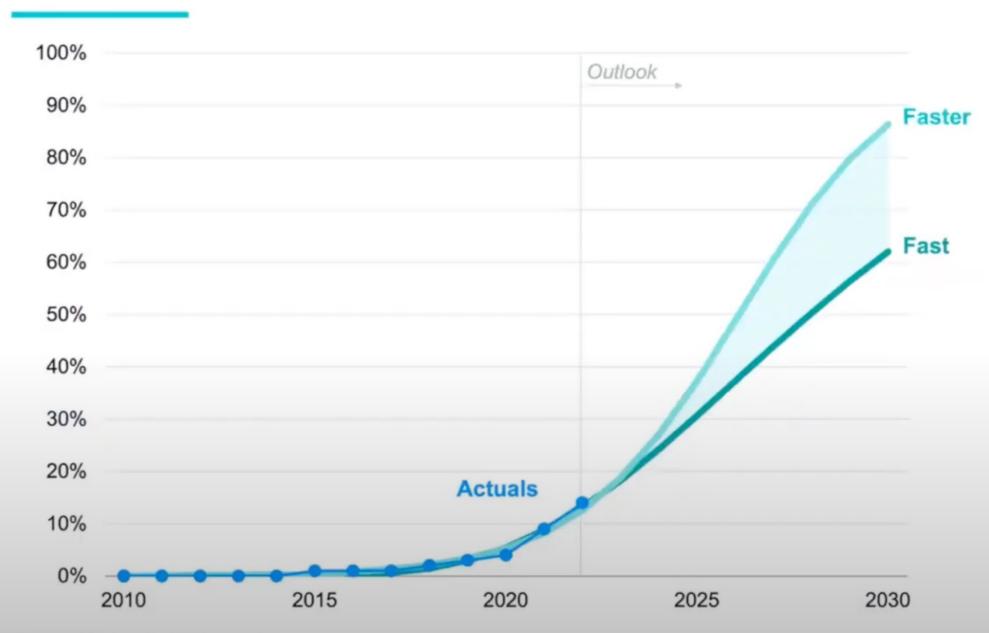




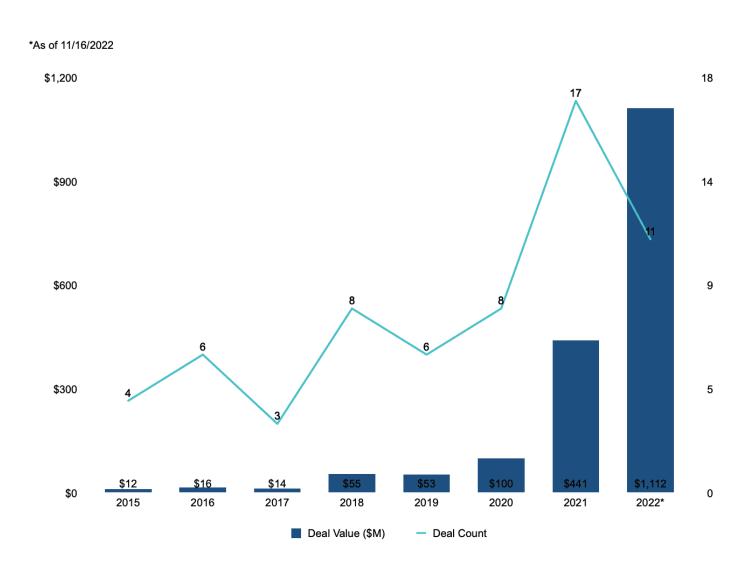
Solar power soars as panel prices plunge

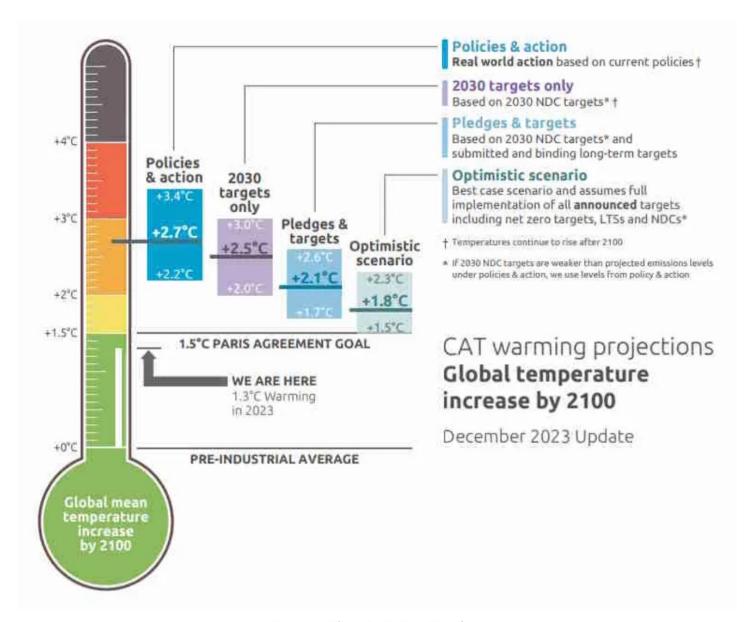


Electric vehicles' share of global car sales

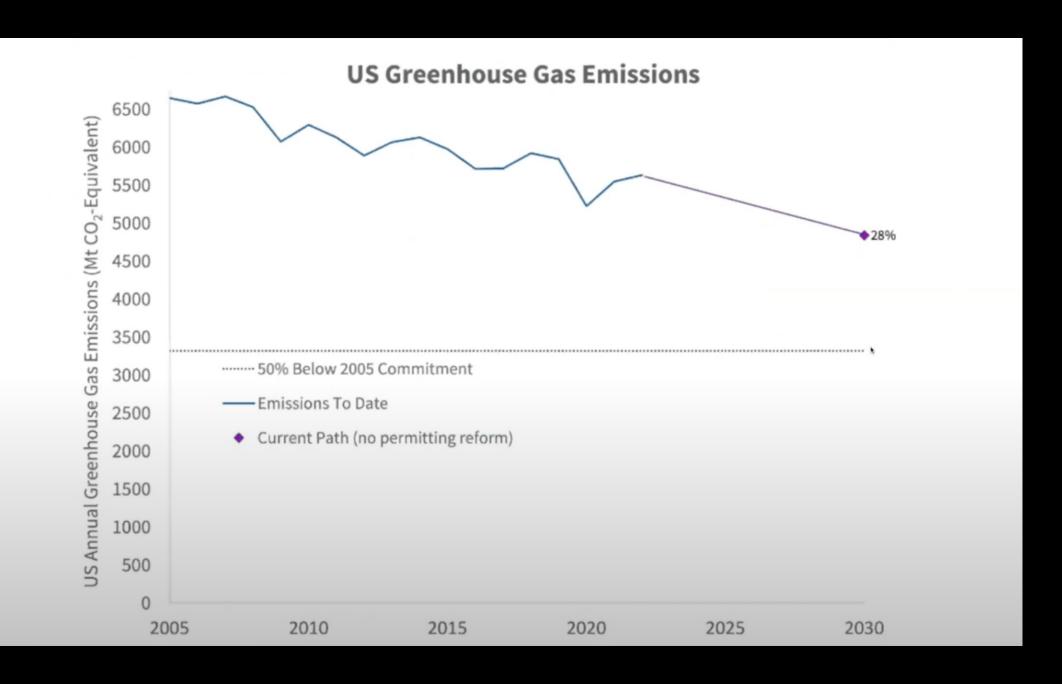


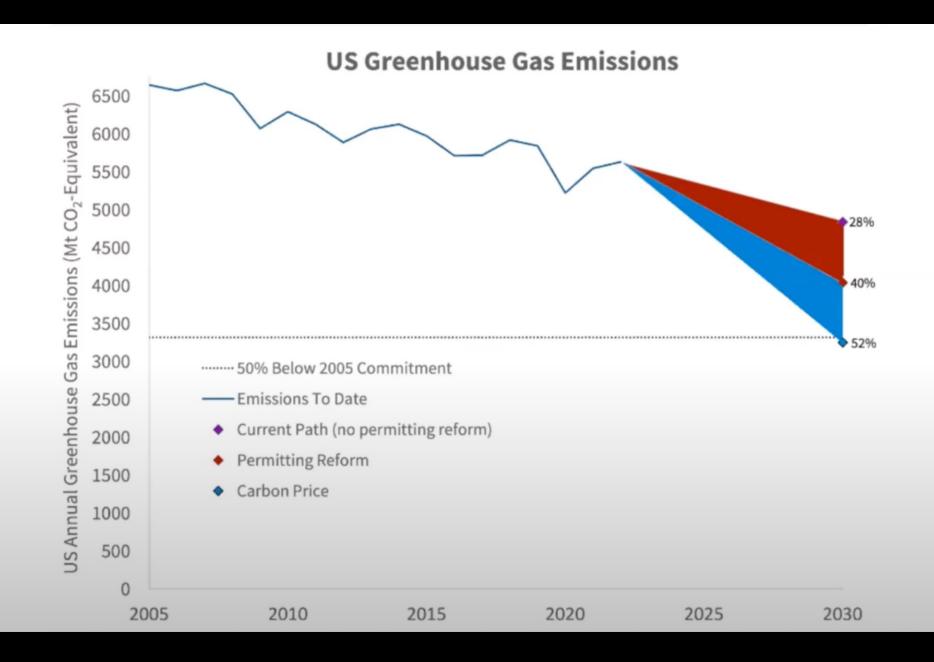
US VC Deal Activity in Nuclear Technology





Source: Climate Action Tracker







Checklist for Monday

- Yale1969.org/climate
 - Speakers' notes, slides
 - References
 - Organizations
 - Action Checklists
- Class Colloquium 20: How To Fix The Climate Problem

Yale1969.org/climate