



Climate Solutions

The climate imperative for clean vehicles



Cascadia
05.07.07

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May I be granted

Serenity to accept the things I cannot change

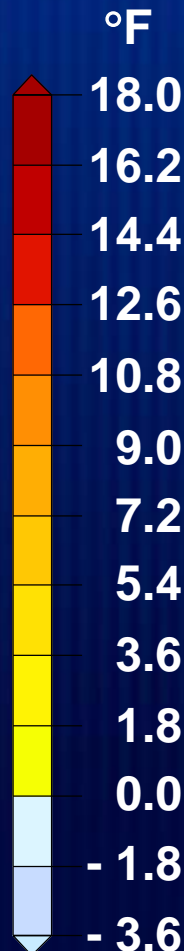
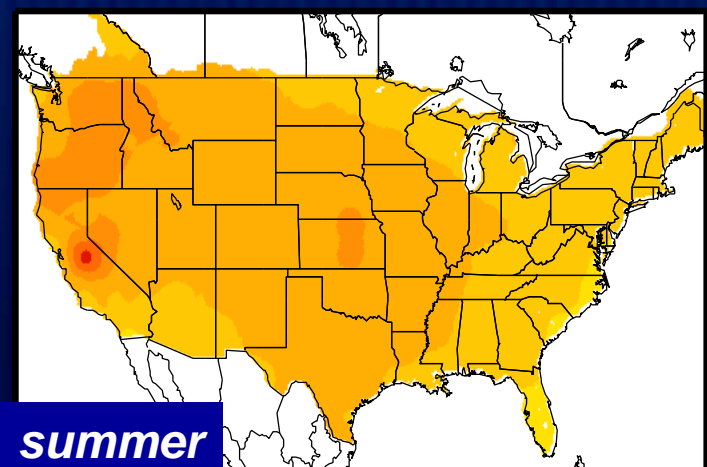
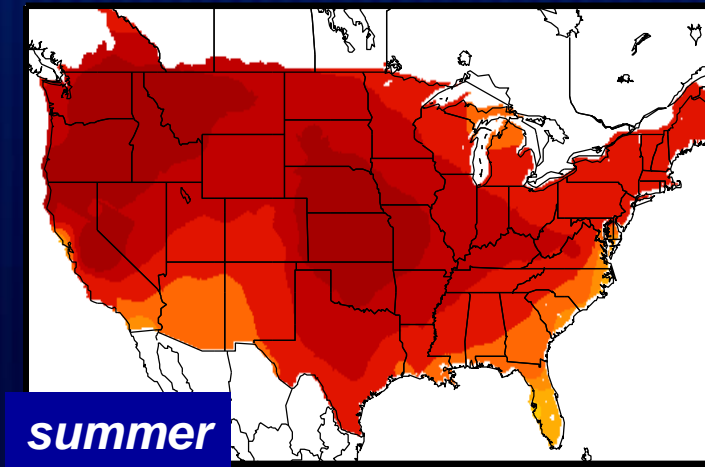
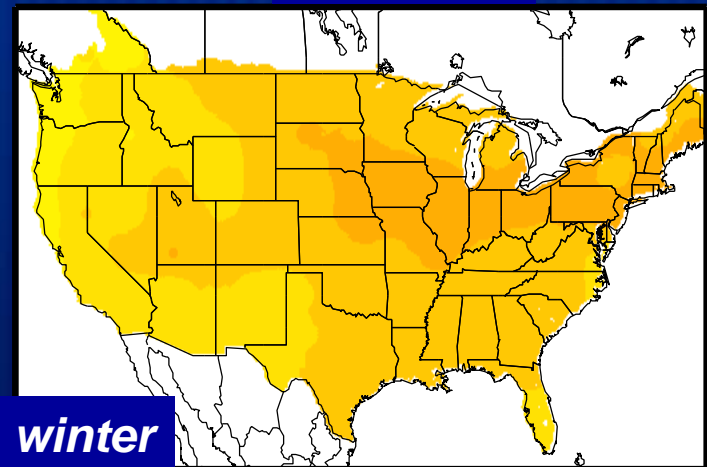
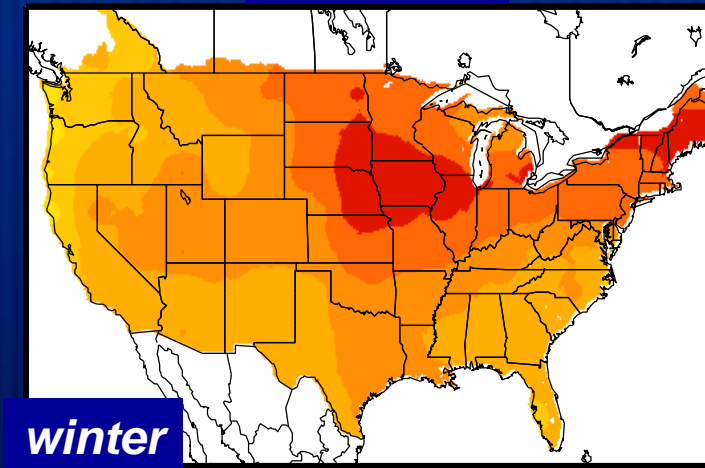
Courage to change the things I can

Wisdom to know the difference

Projected Temperature Increase *21st Century*

HIGHER EMISSIONS

LOWER EMISSIONS



Notes: HadCM3 model results for 2070-2099 vs. 1961-1990. Higher emissions = A1fi; lower emissions = B1 scenarios from IPCC Third Assessment Report. Downscaled results from E. Maurer (<http://www.engr.scu.edu/~emaurer/index.shtml>).

Lower emissions path:

Security, prosperity...a better future

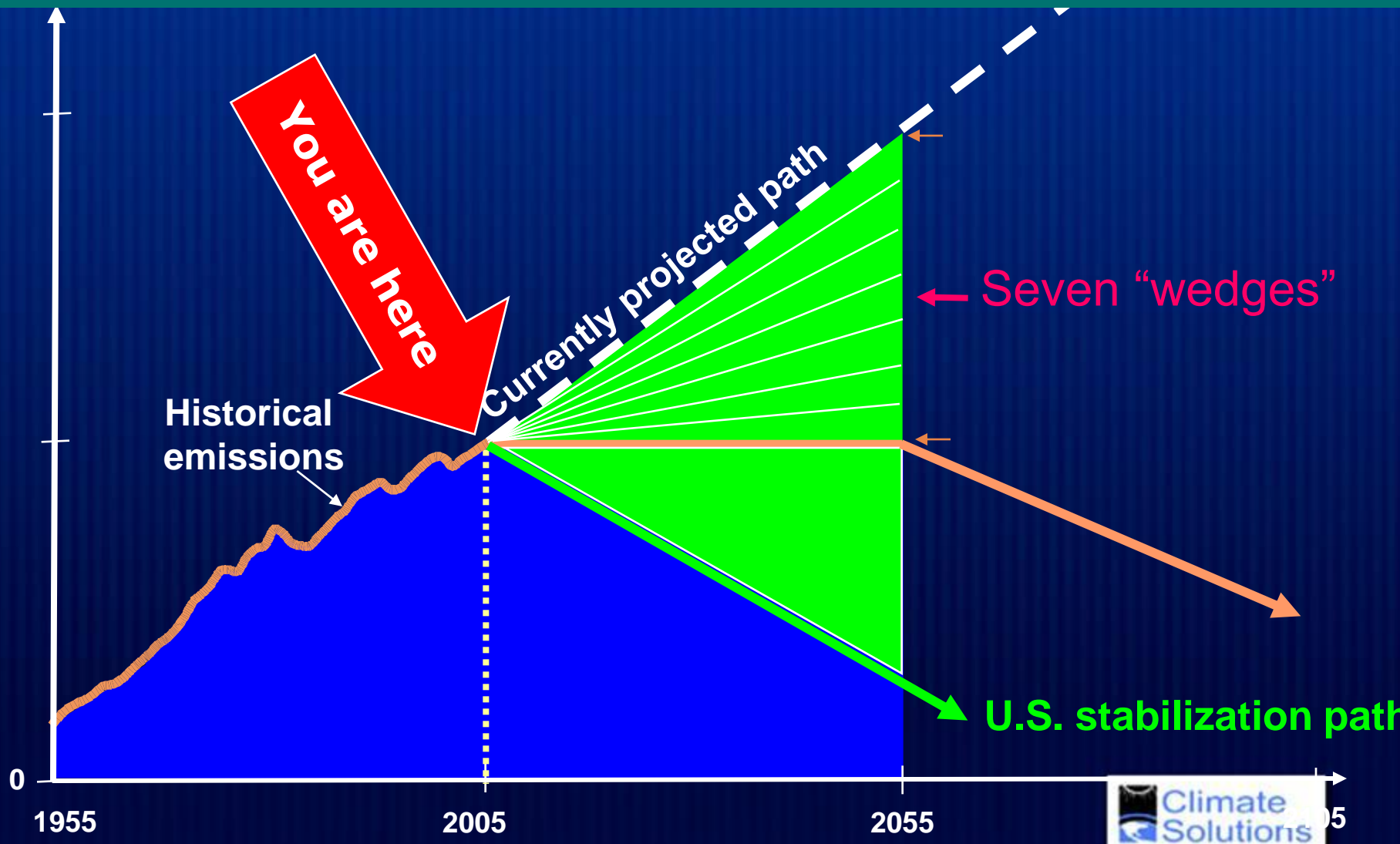
- Real security: reducing fossil fuel dependence is key
- Fix the leak in our economy: \$30M per day for oil and gas (WA)
- Stake our claim to the clean energy industries of the future
- Healthier communities, stronger economies, sustainable prosperity

**Hope is a stance,
not a calculation**

- Frances Moore Lappe

....But for those of us who need a little calculation...

Stabilization Wedges: *Solving the climate problem for the next 50 years with current technologies*



Efficiency and Conservation

transport



buildings



industry



Effort needed by for 1 wedge:

2 billion cars at 60 mpg instead of 30 mpg

power



lifestyle

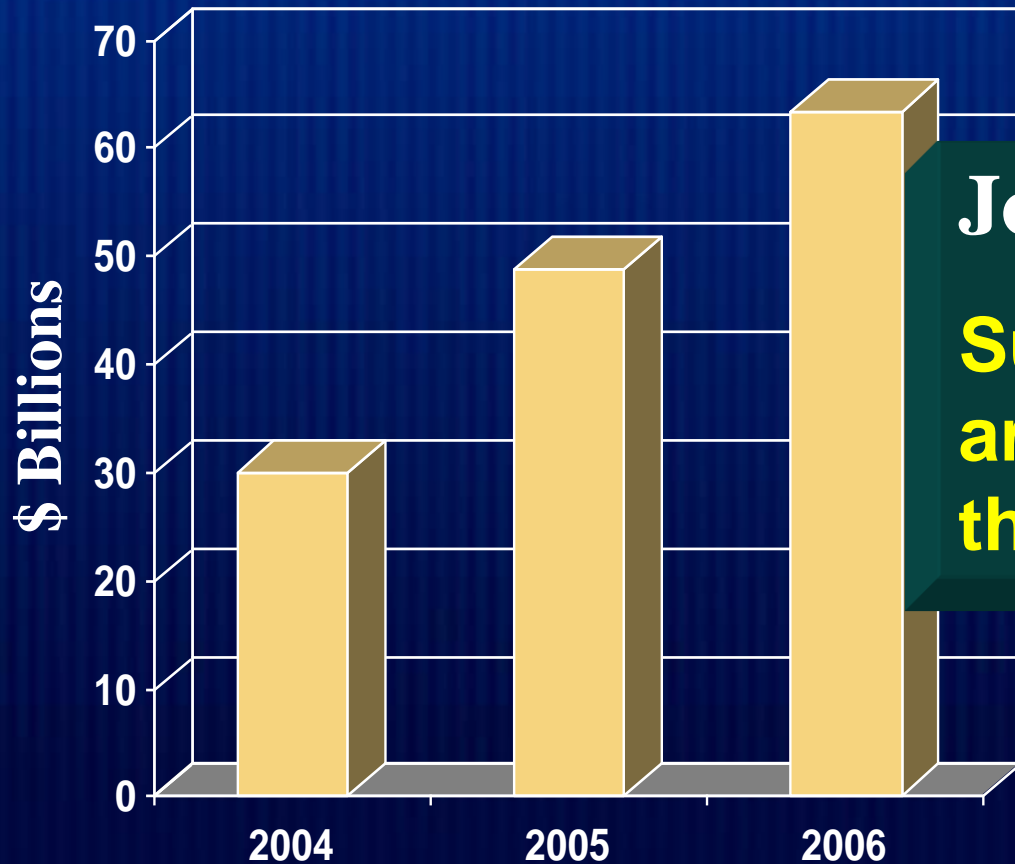


Policy matters: US fuel economy standards are world's weakest; automakers in decline

The *average* new Ford gets fewer MPG than the Model T



Policy matters: Private investment in clean energy



John Doerr:

**Sustainable technologies
are the next big thing ...
the mother of all markets.**



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