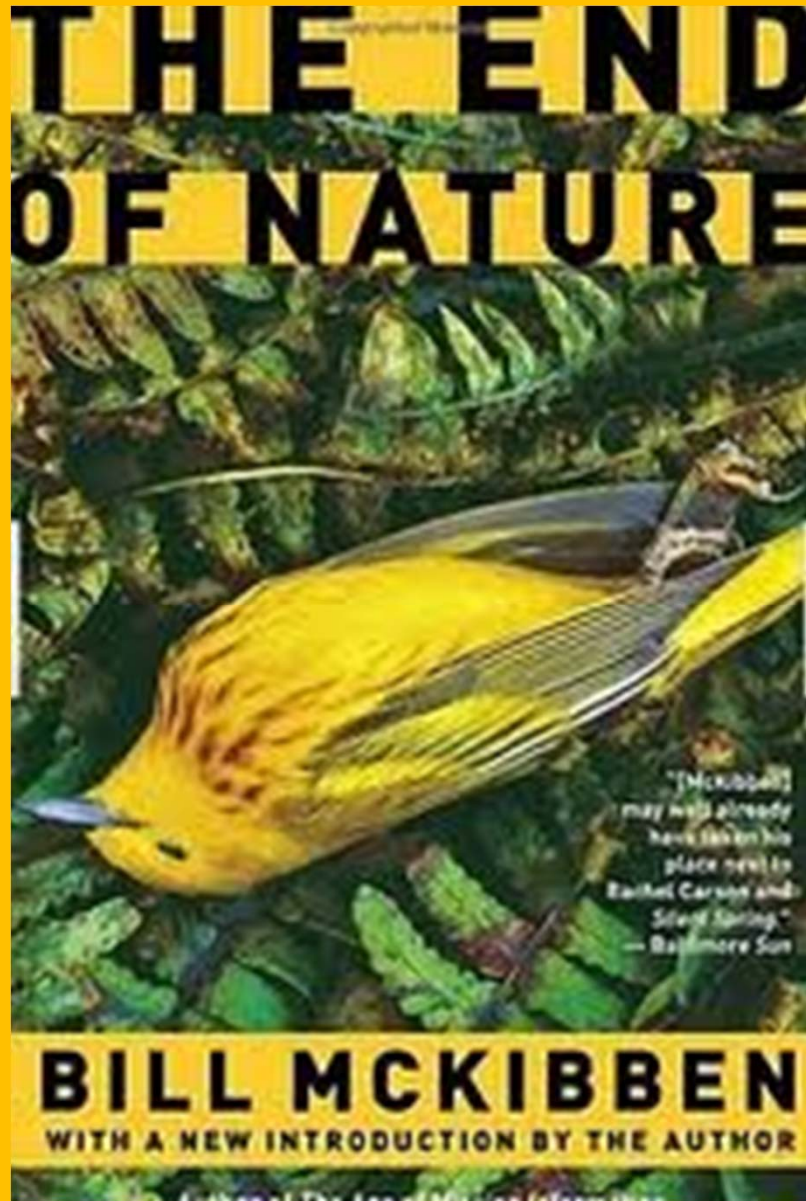


Individual and Collective Action on Climate Change

How Can We Make a Difference?

Climate Change: Science and Society
December 8, 2010

Nicky Phear



Psychology of Climate Change

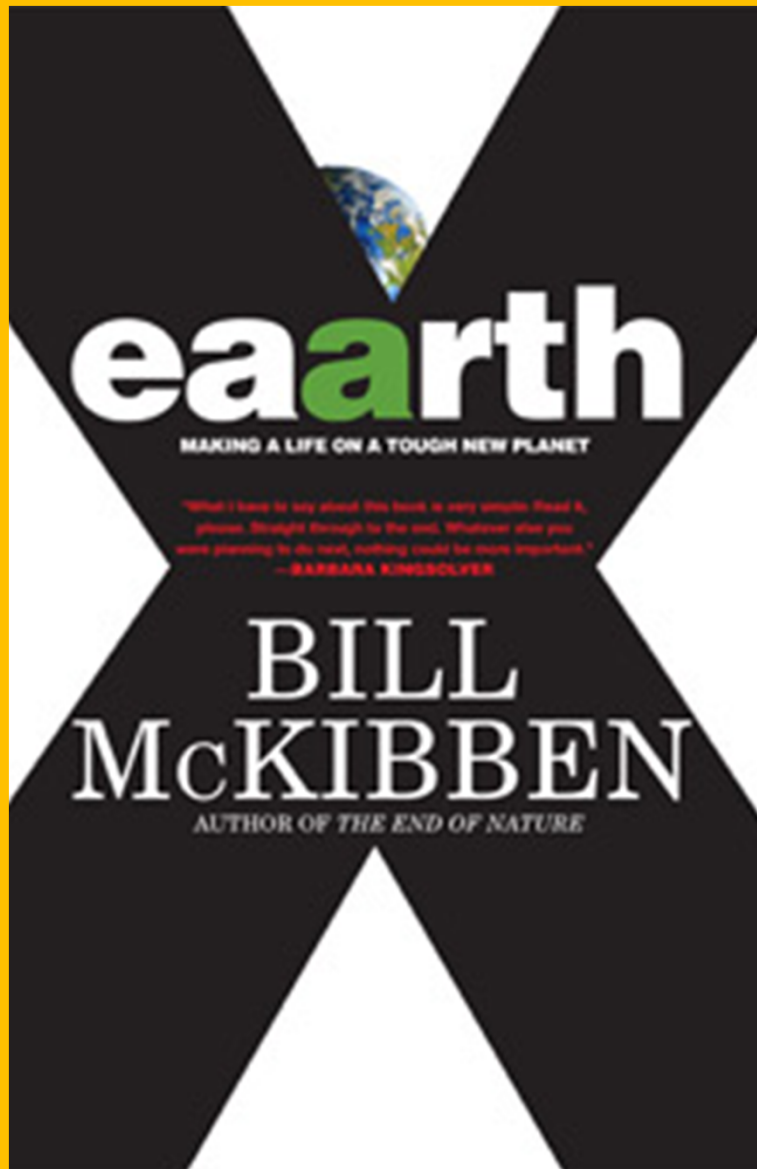
Social denial—we tend to resist disturbing information

People stop paying attention to climate change when they realize there's no easy solution

Need solutions at the scale of the problem

Increasing knowledge and awareness leads to action (no)

Behavior change precedes belief change



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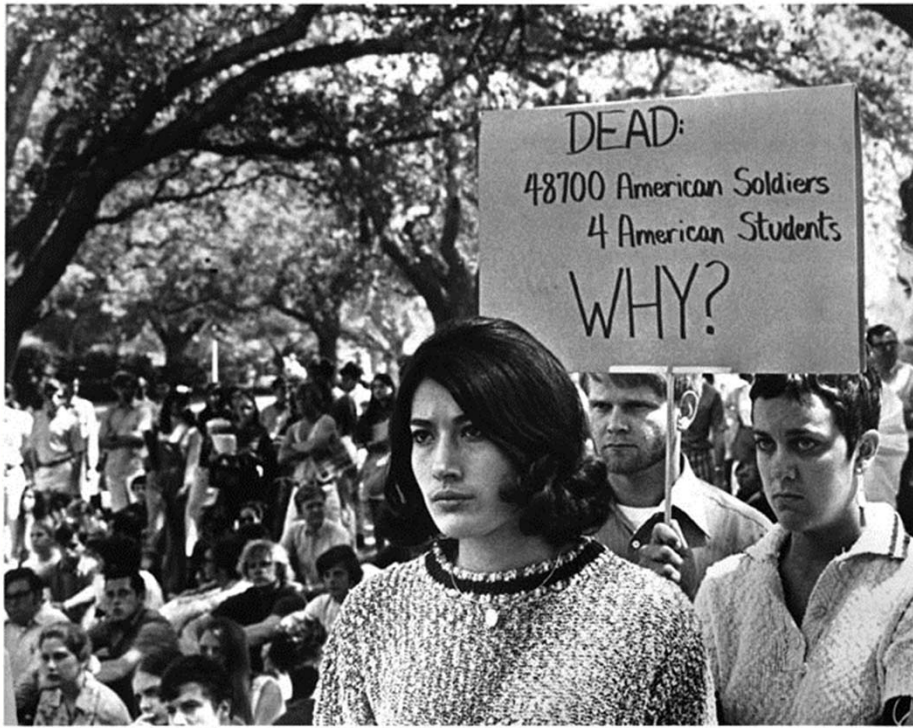




PowerShift

April 1-4, 2011

- Students learn to lobby
- Students build a collective voice
- Students meet with Representatives in DC
- Students return home to train and engage others



What makes an effective social movement?

Then?

Now?



PAUL HAWKEN



BLESSED UNREST

How The Largest Movement
In The World Came Into Being,
and Why No One Saw It Coming

“If you’re looking for your calling you will find it at the place where your greatest joy intersects with the world ‘s deepest needs.”

--words of Fredrick Buechner adapted by Katherine Dean Moore



CCS 203: Climate Change: Science and Society

Study Guide for Test #3 on Climate Change Solutions

Fall 2010

1) Read carefully the following chapters, articles, websites available through the on-line syllabus:

- Socolow and Pacala, [A Plan to Keep Carbon in Check](#), Scientific American (September, 2006).
- Joe Romm, [How the world can \(and will\) stabilize at 350 – 450 ppm: The full global warming solution](#), Climate Progress, 2009.
- Lester Brown, [Stabilizing Climate: An Energy Efficiency Revolution](#) Chapter 4 in Plan B 4.0 Mobilizing to Save Civilization (2009).
- Lester Brown, [Stabilizing Climate: Shifting to Renewable Energy](#) Chapter 5 in Plan B 3.0 Mobilizing to Save Civilization (2009).
- Carbon Footprint Calculator: <http://www.clearskyclimatesolutions.com/calculator.html>
- Nicholas Stern, “[Individuals, firms, communities: the power of example](#).” Chapter 7 in The Global Deal (2009).
- Paul Hawken, [You are Brilliant, and the Earth is Hiring](#), April 2009. Yes! Magazine.

2) Read carefully and make sure you understand all the class lecture material.

3) Two of the eight test questions have already been given to you. The first question relates to your “elevator/stairwell talk” and the second is about climate stabilization and the wedge solution.

1. Elevator Talk

- a. Explain why you think climate change is a problem,
- b. what you think should be done about it,
- c. and how you want to participate in/engage with solutions

2. Climate Stabilization and Wedge Solution

- a. What target should we set and why?
- b. How many wedges will this require, and which ones do you think we should use?

4) There will be no trick questions on the exam. I want you to be able to speak/write clearly and thoughtfully about various solutions to climate change. For example, there will be a question about energy efficiency. You will need to be prepared to write about why it is beneficial to address energy efficiency (e.g. it is the cheapest way to reduce emissions) and some mechanisms for raising energy efficiency (e.g. a smart grid).

5) Some questions will not have a “right” answer. We will be looking for your personal opinion and perspective, and you will be graded on your thoughtfulness and demonstration that you have considered the material presented and discussed during this section.

6) The exam will be two hours, from 1:10-3:10 pm on Thursday, December 16 in CHEM 123. Bill Smith will be there to administer the exam.

Good luck! If you have questions, please contact Nicky Phear at 243-6932 or nicky.phear@umontana.edu



The Dialogue Project





Climate Action Plans

Many universities, cities, and states have voluntarily developed climate actions plans – conducting GHG inventories, setting targets for emissions reductions, and developing plans for how to reach those goals.

**662 Universities have signed onto the Presidents' Climate Commitment

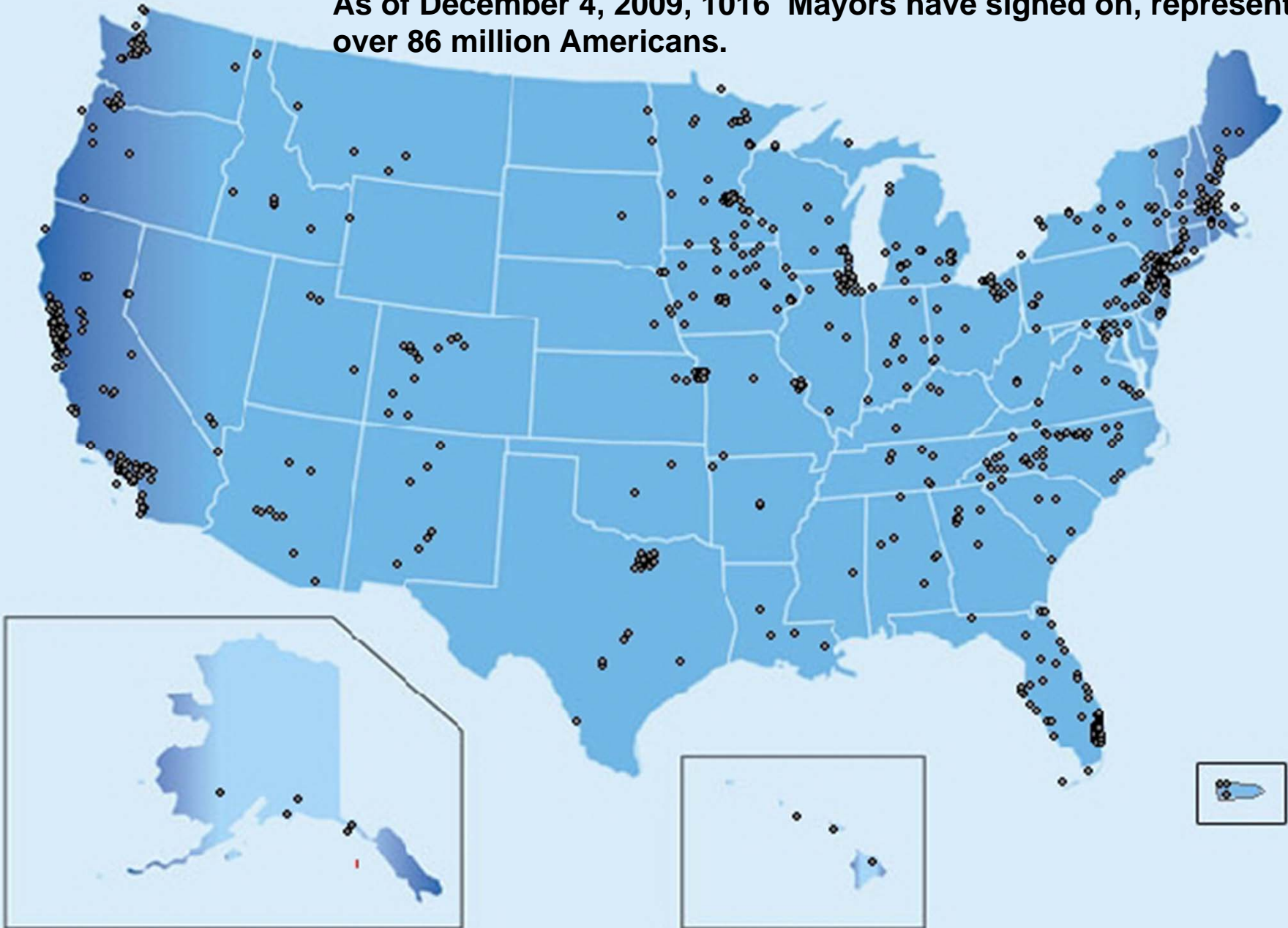
**1016 Cities have signed the Mayor's Climate Protection Agreement

**38 States have or are developing Climate Action Plans

CITIES

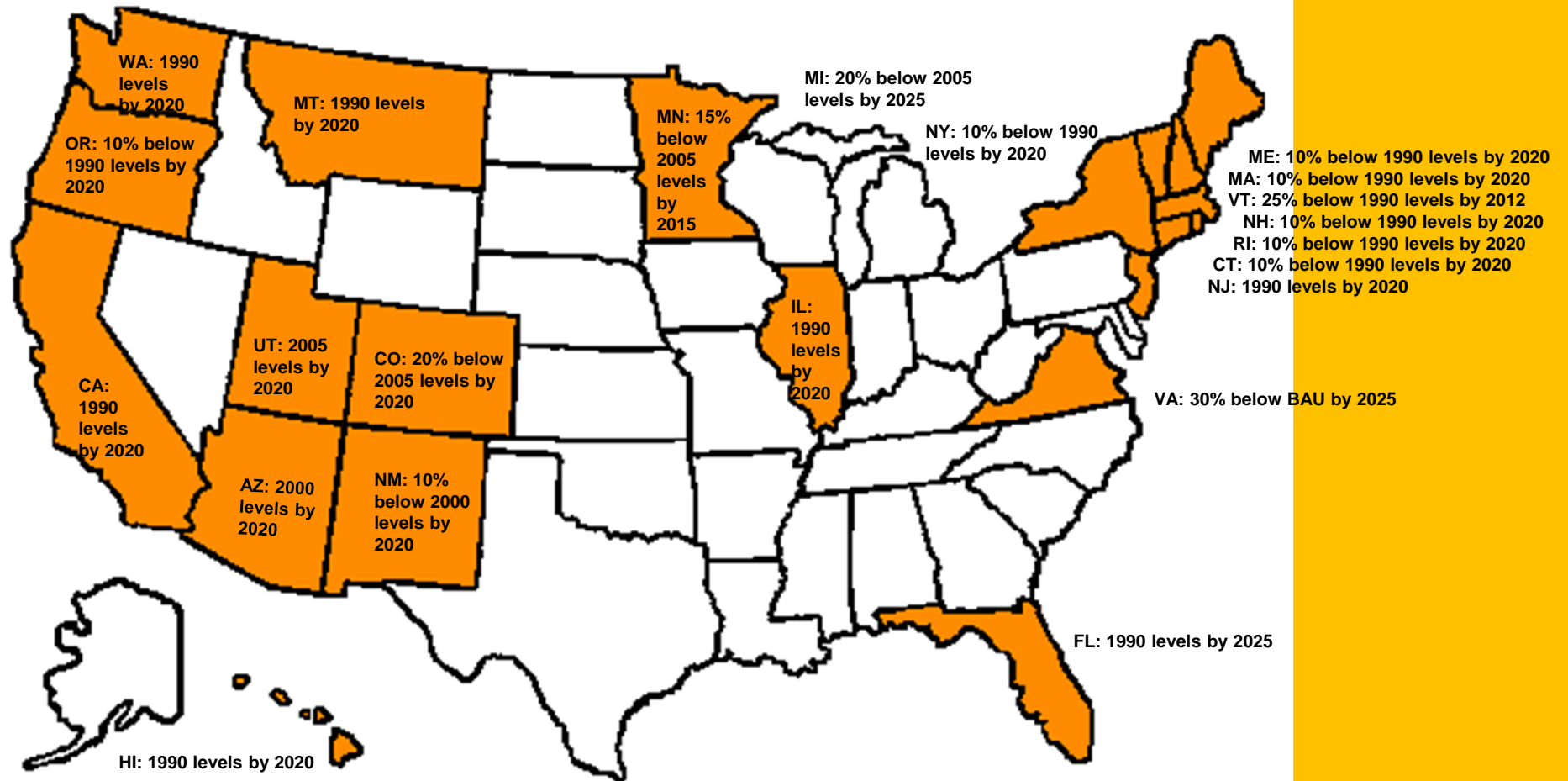
U.S. Mayors Climate Protection Agreement

As of December 4, 2009, 1016 Mayors have signed on, representing over 86 million Americans.



Source: <http://www.seattle.gov/Mayor/Climate>

States with Emissions Targets



States with GHG Emissions Targets