



# The Policy Landscape for Addressing Short Lived Climate Forcers

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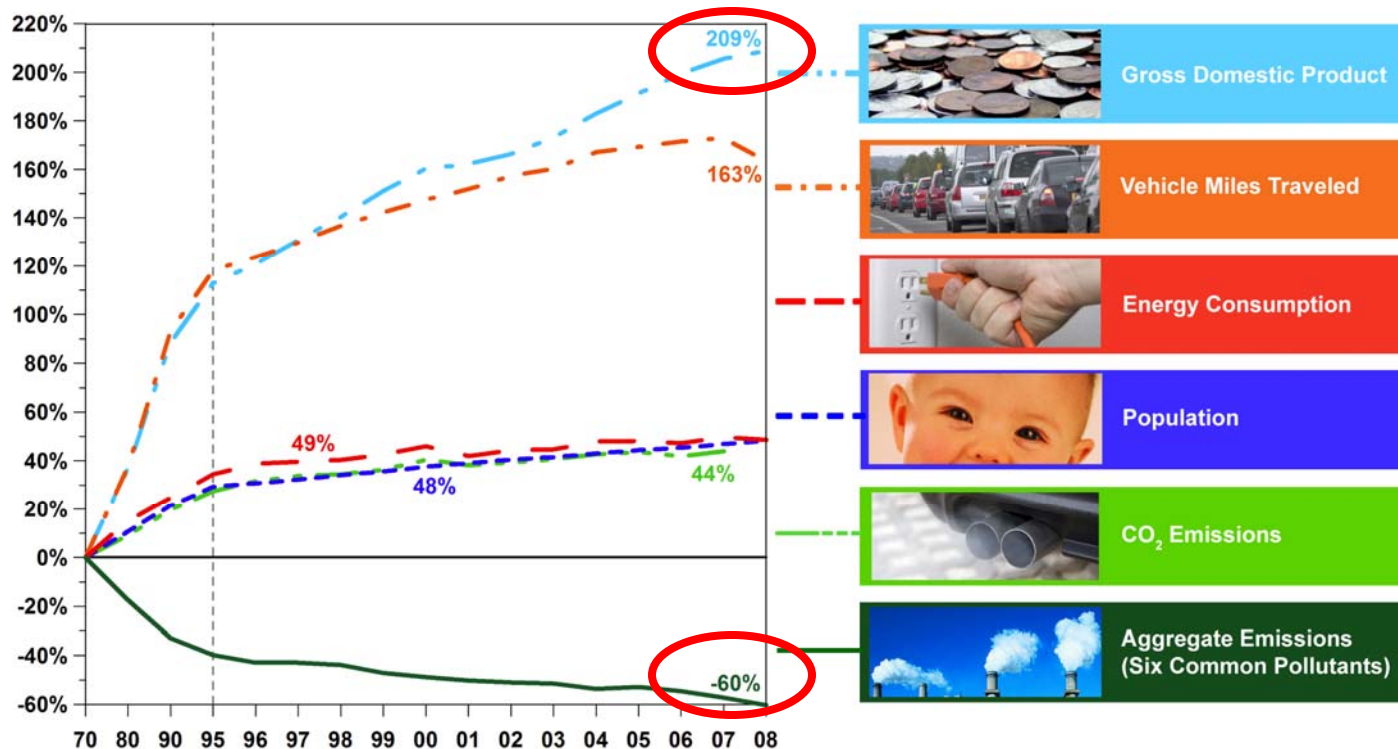
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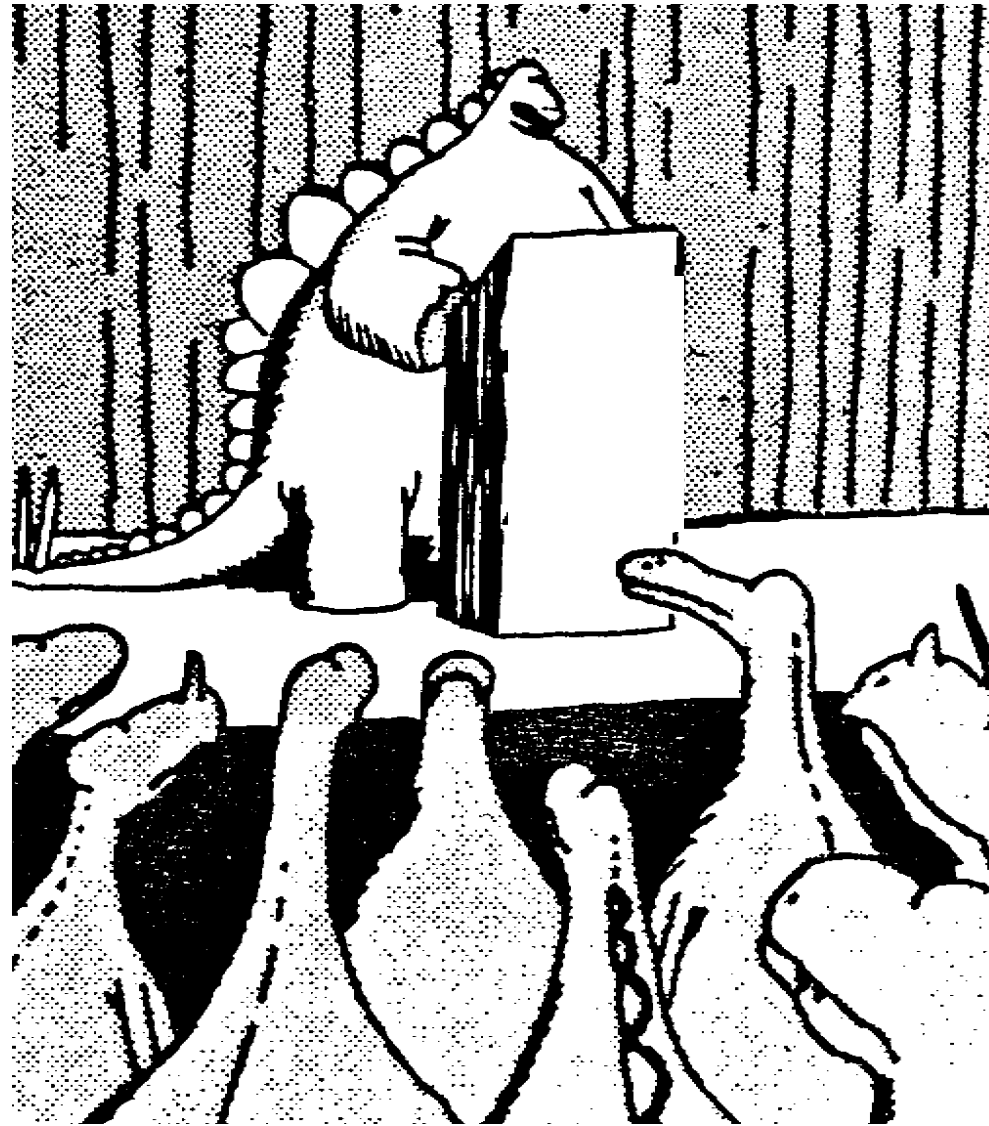
# A Quick Retrospective

- Significant reductions in ozone and PM

Comparison of Growth Areas and Emissions, 1970-2008



- Benefits as much as 40 times higher than costs



Gary Larson

“The picture’s pretty bleak, gentlemen ... the world’s climates are changing, the mammals are taking over, and we all have a brain about the size of a walnut.”



# Looking Forward

- **Consider public health and climate change**
  - What and where are the win-win strategies?
- **Understand costs and benefits**
  - What information do we need to analyze options?
- **Look globally for solutions**
  - Domestically – What reductions are available?
  - Internationally – Developed and Developing
    - Where is the reduction potential?
    - What will motivate action?
- **Connect local, regional and global solutions**
  - What are the climate and public health impacts of various sector and regional strategies?



# U.S. Domestic Agenda

- **Report to Congress** due April 2011
  - Inventory major sources of black carbon
  - Assess the impacts of black carbon on global and regional climate
  - Assess potential metrics and approaches for quantifying the climatic effects of black carbon emissions (including its radiative forcing and warming effects) and comparing those effects to the effects of carbon dioxide and other greenhouse gases
  - Identify most cost-effective approaches to reduce black carbon emissions
  - Analyze the climatic effects and other environmental and public health benefits of those approaches.
- **Several petitions for action on BC** under the Clean Air Act
- **Existing Air Quality Management Program** (e.g. Ozone and PM NAAQS reviews underway)



# International Assessments

- Report on Bounding the Role of BC in Climate Change (**Summer 2010**)
- Convention on Long Range Transboundary Air Pollution (UNECE/LRTAP)
  - Task Force on Hemispheric Transport of Air Pollution (**June 2010**)
  - Ad Hoc Expert Group on Black Carbon (**Dec 2010**)
- UNEP Black Carbon and Ozone Assessment (**February 2011**)
- Arctic Council Task Force on Short-Lived Climate Forcers – Report on Black Carbon (**April 2011**)



# This Workshop

- **Designed to evaluate which mitigation actions for SLCF's may make a difference for climate in the short term**
- **A Dialogue Between**
  - Policy Makers and Scientists
  - Climate and Air Quality Communities
  - Domestic and International Experts
- **To Improve**
  - Public Health and Climate Outcomes
- **By Informing**
  - Potential mitigation pathways
  - The progress of science



# Key Questions to Consider:

- What are mitigation options that provide a win for climate and a win for public health in the near term?
- What are the uncertainties that matter?
- What questions need to be answered – through research and analysis -- to support further actions beyond those we could take today?