

# **GA Tech Climate Change Seminar Series: *Science, Impacts, Technologies and Policy***

**Georgia Institute of Technology  
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# Outline

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- The President's Climate Action Plan
- What EPA is doing to advance the President's plan
  - Collecting Emissions Data
  - Getting Reductions
  - Advancing the Science
  - Partnering Internationally
  - Partnering With States, Localities, and Tribes
  - Helping Communities Adapt

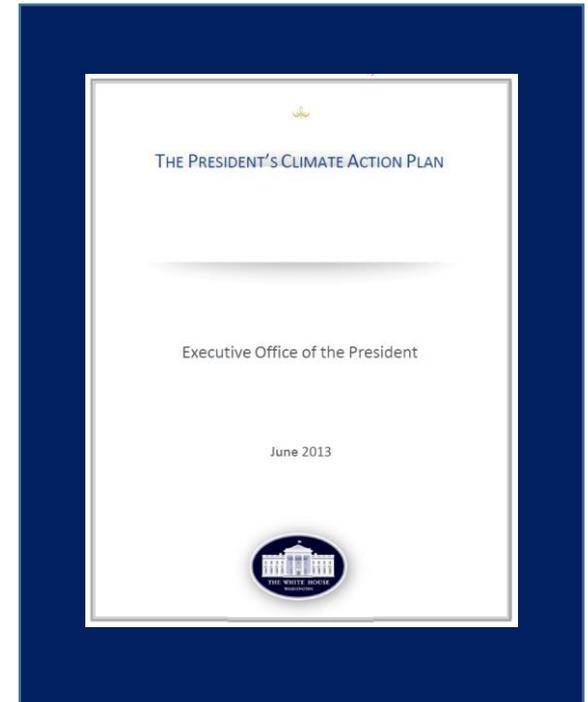


[www.epa.gov/climatechange](http://www.epa.gov/climatechange)



# The President's Climate Action Plan

- President Obama's Climate Action Plan takes a series of ambitious steps to combat climate change
  - Cuts carbon pollution in America through domestic policies that involve both voluntary and regulatory action
  - Prepares our country for the impacts of climate change
  - Leads international efforts to address global climate change
  - Advances the Science



<https://www.whitehouse.gov/climate-change>



# What EPA is Doing - Collecting Emissions Data

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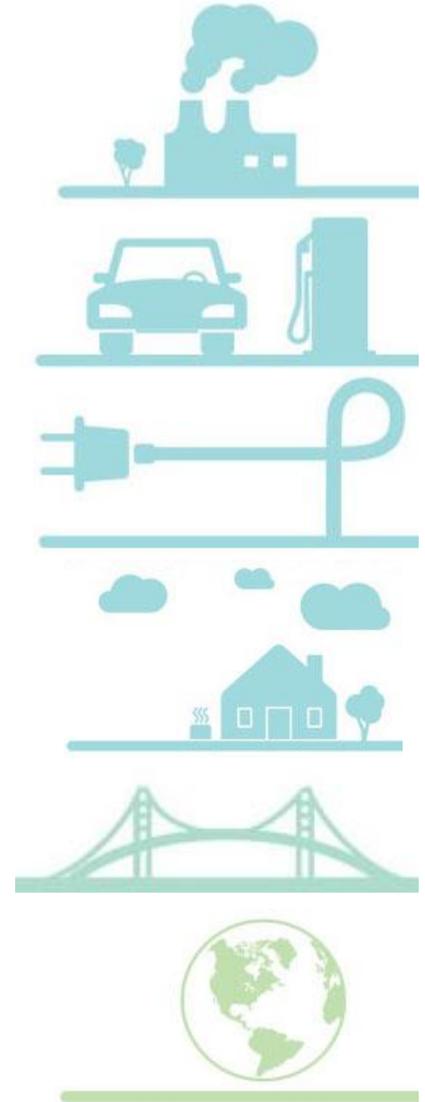
- EPA collects various types of GHG emissions data and promotes consistency in inventories
  - The Inventory of U.S. Greenhouse Gas Emissions and Sinks
  - The Greenhouse Gas Reporting Program
- These data help policy makers, businesses, and the Agency track greenhouse gas emissions trends and identify opportunities for reducing emissions and increasing efficiency





# What EPA is Doing - Getting Reductions

- EPA is reducing GHG emissions and promoting a clean energy economy through highly successful partnerships and common-sense regulatory initiatives
  - EPA's vehicle GHG rules
  - Carbon pollution standards for the power sector
  - Partnering with the private sector through voluntary energy and climate programs
  - Reducing EPA's own carbon footprint

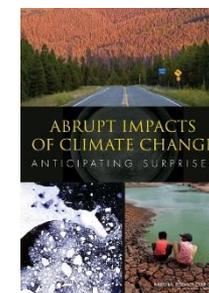
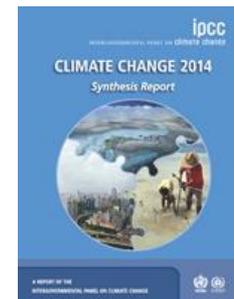


<http://epa.gov/climatechange/EPAactivities.html>



# What EPA is Doing - Advancing the Science

- EPA contributes to world-class climate research through:
  - The U.S. Global Change Research Program
  - The Intergovernmental Panel on Climate Change
  - The National Research Council of the National Academies of Science
- EPA's Office of Research and Development conducts research to understand the environmental and health impacts of climate change and to inform sustainable solutions for adapting to and reducing the impact from a changing climate



<http://www2.epa.gov/climate-research>



# What EPA is Doing - Partnering Internationally

- EPA is engaged in a variety of international activities to advance climate change science, monitor our environment, and promote activities that reduce greenhouse gas emissions
- EPA establishes partnerships, provides leadership, and shares technical expertise to support these activities
- EPA participates in bi- and multilateral partnerships, providing leadership, technical expertise, and capacity building support

## UN Framework Convention on Climate Change

As a party to the Framework, the U.S. is committed to working with the international community to promote the convention's key objective: stabilizing greenhouse gas concentrations in the atmosphere at a level that prevents dangerous human-induced interference with the climate system





# What EPA is Doing - Partnering With States, Localities, and Tribes

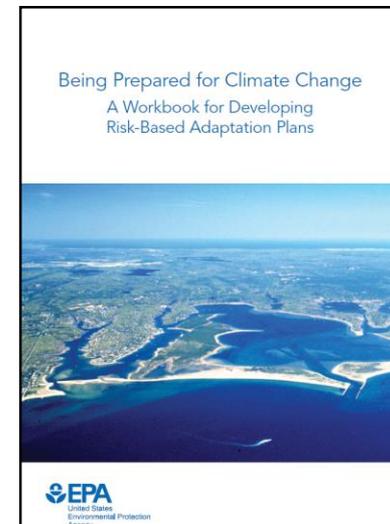
- EPA's State and Local Climate and Energy Program provides technical assistance, analytical tools, and outreach support to state, local, and tribal governments
  - Identifies/documents cost-effective policies and initiatives that address climate change, including those that promote renewable energy, energy efficiency, and related clean technologies
  - Measures/evaluates the environmental, economic, and public health benefits of climate change and clean energy initiatives
  - Offers tools, guidance, and outreach support for assessing the options and benefits of actions to reduce greenhouse gas emissions
  - Fosters peer exchange opportunities for state and local officials to share information on best practices and lessons learned about innovative policies and programs





# What EPA is Doing - Helping Communities Adapt

- Across the United States and the world, climate change is already affecting communities, livelihoods, and the environment
- In response, many parts of the federal government are taking action to help Americans adapt to current and potential risks; for example:
  - EPA's Climate Ready Estuaries and Climate Ready Water Utilities programs help coastal resource managers and water utility managers, respectively, plan and prepare for climate change



<http://epa.gov/climatechange/impacts-adaptation/fed-programs.html>



# Questions?

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