



# Connecticut Climate Change Action Plan 2005

February 7, 2005

*Governor's Steering Committee  
on Climate Change*



## Connecticut Climate Change

# State Team

*Governor's Steering Committee (GSC) and  
Climate Change Coordinating Committee (C4)*

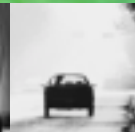
- Connecticut Clean Energy Fund – co-coordinator
- Connecticut Department of Environmental Protection – co-coordinator
- Connecticut Department of Public Utility Control
- Connecticut Department of Transportation
- Connecticut Department of Administrative Services
- Office of Policy and Management
- Connecticut Department of Revenue Services (C4 only)

***Different missions...different cultures, but same purpose...  
Public Service – to serve the people of the State of Connecticut!***





# Connecticut Climate Change



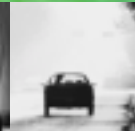


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# Background

## *NEG-ECP Climate Change Action Plan*

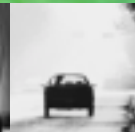
- **NEG-ECP Annual Conference 2001 in Westbrook, CT**
  - New England Governors and Eastern Canadian Premiers
  - Resolution 26-4 – Resolution Concerning Energy and the Environment
  - Climate Change Action Plan – first-of-its-kind (short, medium, and long term GHG emission reductions targets)
- **Climate Change Action Plan Summit**
  - Interagency strategic planning and development summit
  - Led to the creation of the GSC and C4
  - Developed a framework for a public stakeholder process to issue recommendations to the GSC (Pocantico Paper #6)





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## Stakeholder Process

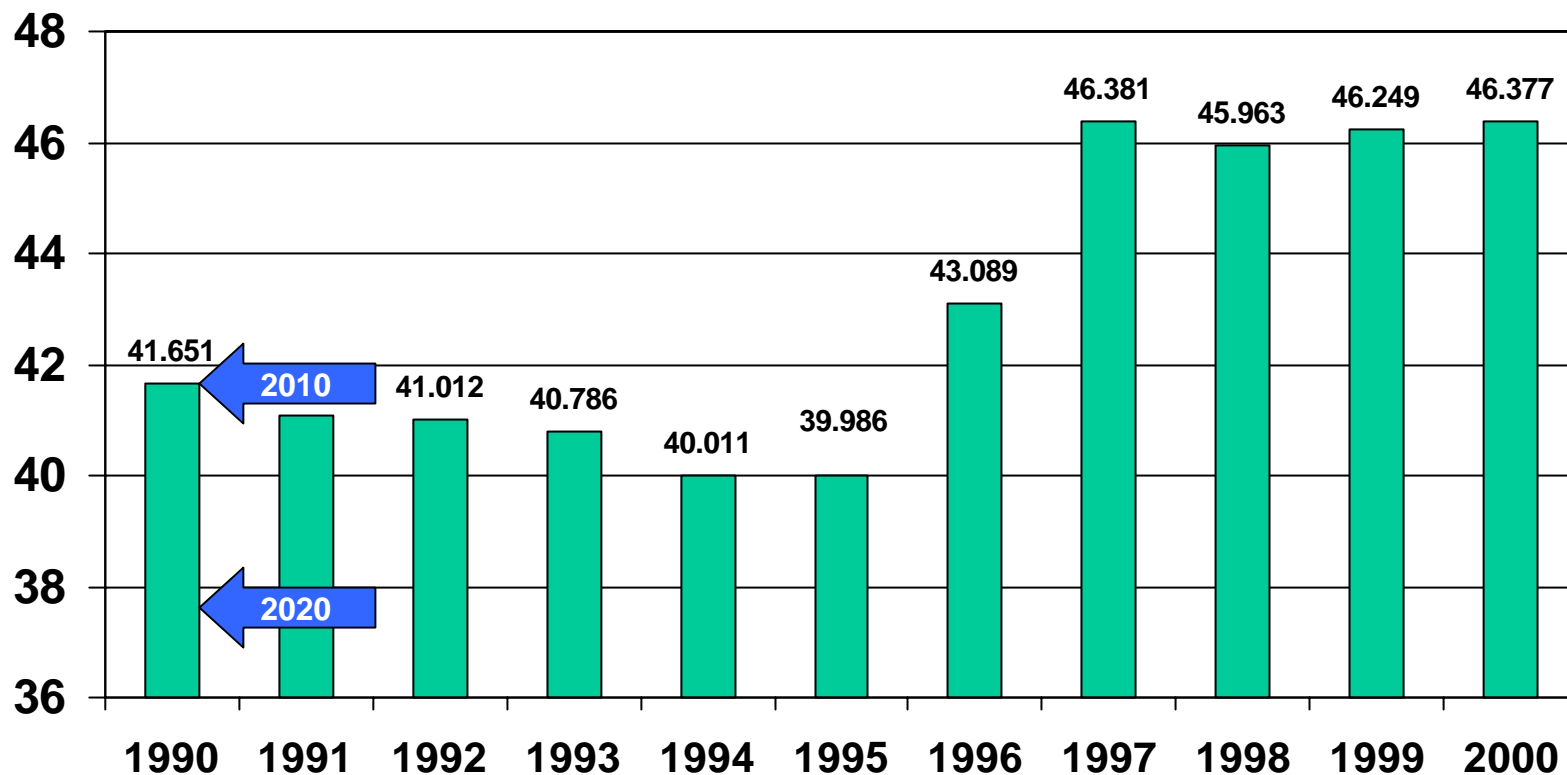


- Over 70 meetings/ conference calls with five technical working groups
- Stakeholders included representatives from: businesses, banking, academia, utility sector, NGOs and state agencies
- 57 interested parties [beyond stakeholders] provided input
- Four evening public meetings with dozens of attendees
- Public comment on stakeholder recommendations



# Greenhouse Gas Emissions Inventory

*1990 – 2000 Actual Emissions for Connecticut – The Challenge*

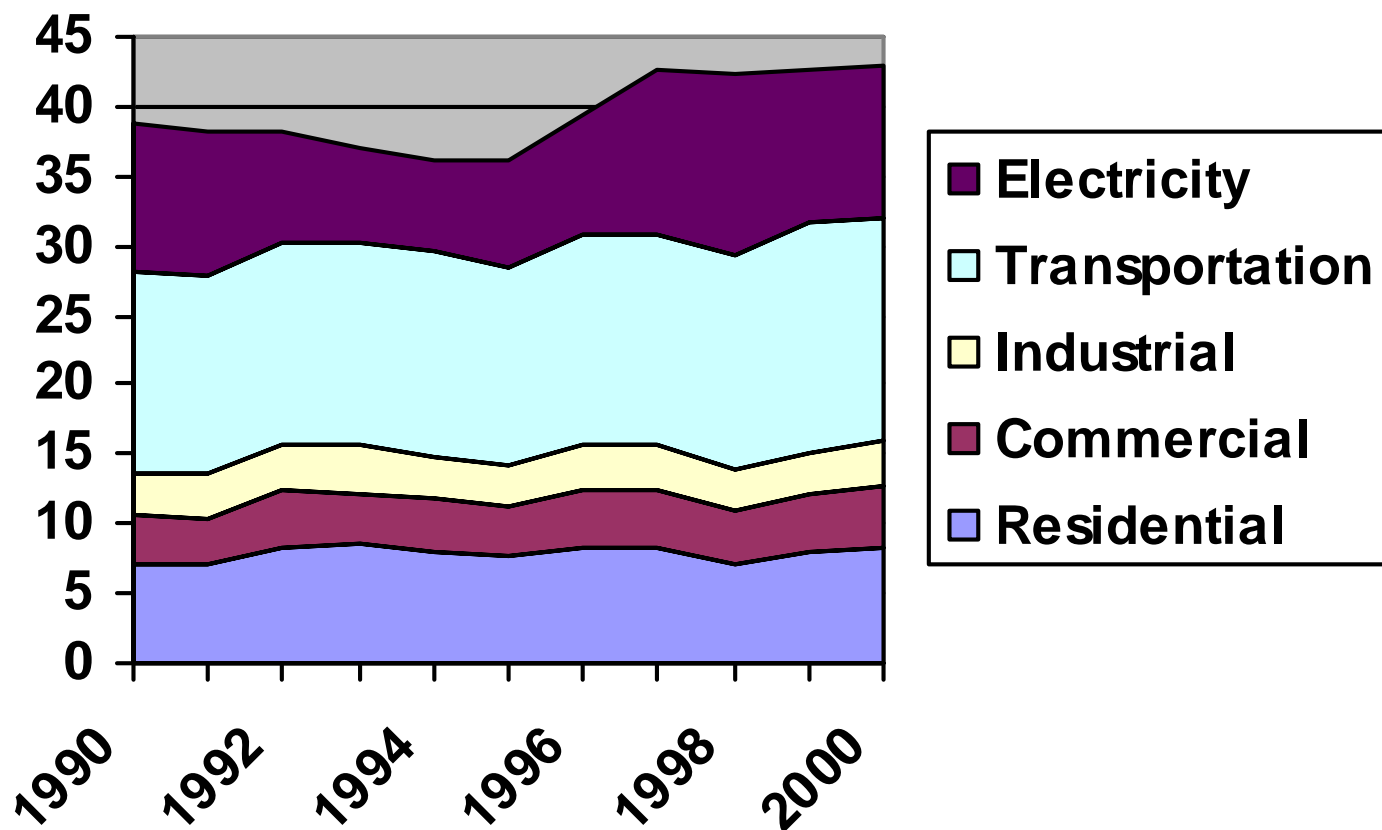




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# Greenhouse Gas Emissions Inventory

*1990 – 2000 Actual Emissions by Sector*





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# CT Climate Change Action Plan 2005 (Draft)

## Sectors Included in Recommendations

- Transportation
- Residential, Commercial, Industrial
- Agriculture, Forestry, Waste
- Electricity Generation
- Public Education and Outreach



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# CT Climate Change Action Plan 2005 (Draft) Transportation Policy Recommendations

Stakeholder recommended list of 38 actions

- **LEV II Standards**
- Public education initiative
- Transit, smart growth, and vehicle miles traveled (VMT) reduction package
- Multi-state intermodal freight initiative
- **Clean diesel and black carbon**

Part of 17 other actions requiring additional analysis

- Tailpipe GHG standards
- Hydrogen infrastructure research and demonstration program





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# CT Climate Change Action Plan 2005 (Draft)

## Residential, Commercial, Industrial Policy Recommendations

Stakeholder recommended list of 38 actions

- [Appliance standards](#)
- Appliance-swapping program
- Bulk purchasing of appliances
- [Upgrade residential and commercial building energy codes](#)
- Weatherization assistance program
- Energy Star Homes program
- High-performance buildings
- Shared savings program for government agencies
- Training of building operators
- [Green Campus Initiative](#)

Part of 17 other actions requiring additional analysis

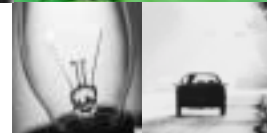
- Promote energy efficient and energy improvement mortgages
- Energy conservation loan program





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# CT Climate Change Action Plan 2005 (Draft) Agriculture, Forestry, Waste Policy Recommendations



Stakeholder recommended list of 38 actions

- Reduce non-farm fertilizer use
- [Buy local produce](#)
- Forest management and forest carbon offsets
- Urban tree planting program
- Forest and agricultural land preservation
- Promote use of durable wood products over other construction materials
- Support economically viable landfill gas-to-energy projects
- Increase recycling, source reduction to 40 %

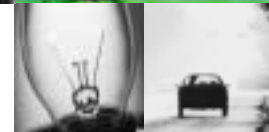
Part of 17 other actions requiring additional analysis

- Install centralized manure digesters



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# CT Climate Change Action Plan 2005 (Draft) Electricity Generation Policy Recommendations



Stakeholder recommended list of 38 actions

- Government green power purchase
- Green power option
- [Regional cap-and-trade program](#)
- Green tags
- [Emissions Inventory and Registry](#)

Part of 17 other actions requiring additional analysis

- Renewable energy strategy
- Renewable portfolio standard
- Energy efficiency and combined heat and power
- Restore Clean Energy Fund



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# CT Climate Change Action Plan 2005 (Draft)

## Public Education and Outreach Policy Recommendations



Additional cross-cutting recommendations, based on stakeholder input

This initiative focuses on outreach to the following target audiences:

- Policy makers
- Community leaders from businesses, institutions, municipalities, universities and colleges
- Future generations
- Community-based organizations
- General public



## Implementation Actions Completed 2004

- PA 04-252: Requires mandatory reporting, creation of registry, ongoing planning and implementation of action plan, among others [more detail on next slide]
- PA 04-84: Adopted California emissions standards for cars
- PA 04-85: Sets energy efficiency standards for products and appliances
- PA 04-231: Promotes hybrid gas/electric cars
- PA 04-222: Promotes purchase of CT grown foods
- Exec Order 32: Requires state purchase of renewable energy

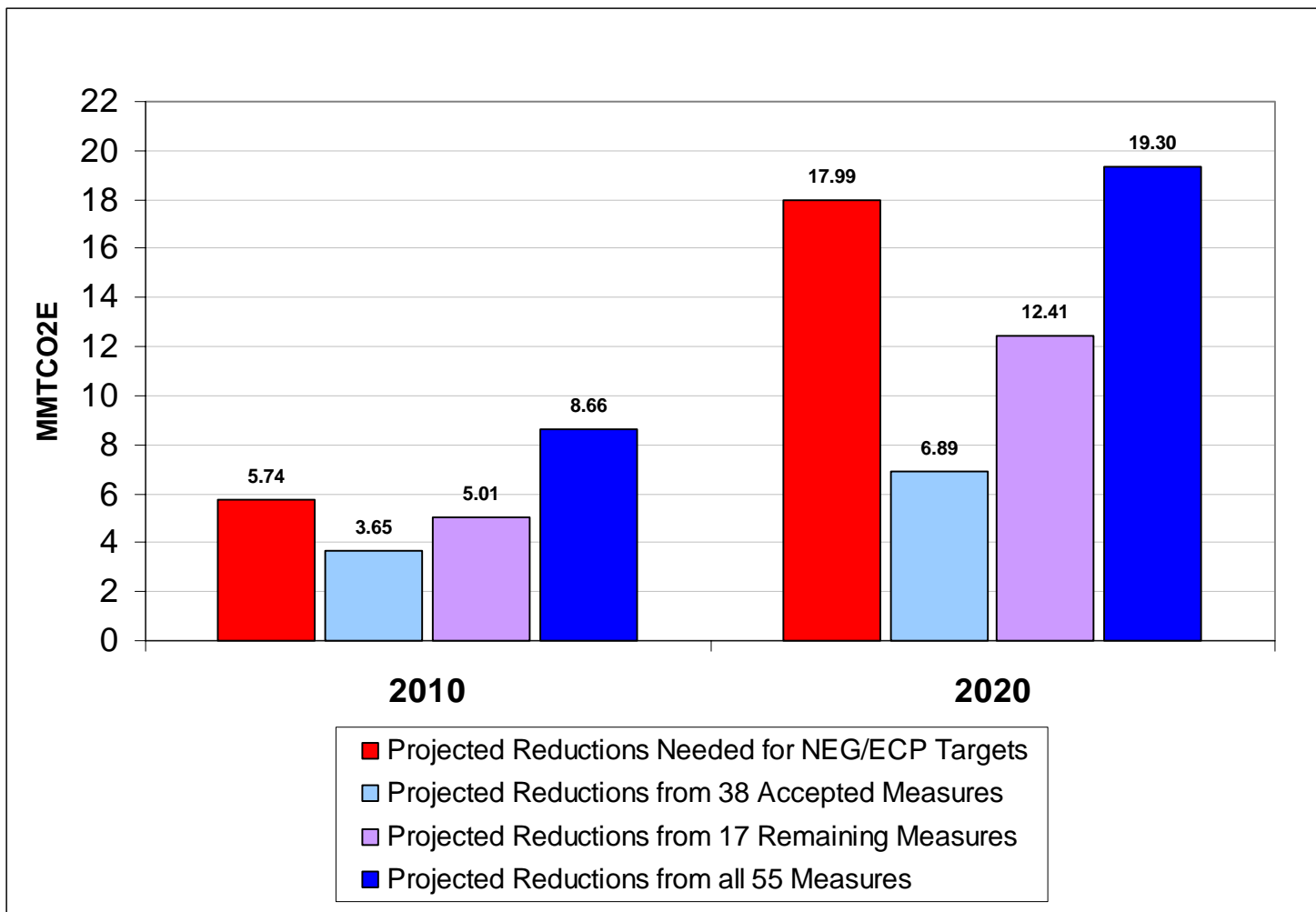
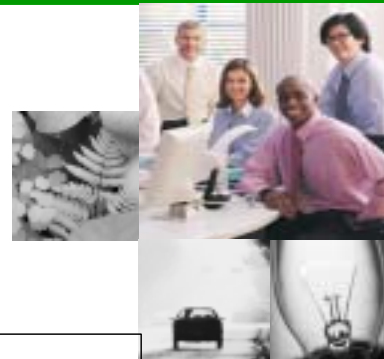


## P.A. 04-252: An Act Concerning Climate Change

- Statutorily mandated NEG/ECP Reduction Goals
  - 1990 levels by 2010
  - 10% below 1990 levels by 2020
- Required compilation and submission of Connecticut Climate Change Action Plan 2005
- Requires periodic updating of statewide GHG inventory



# Projected Reductions





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# Lessons Learned

## Issues that Standout as a Result of the Action Planning Process

- **State implementation strategy is a necessary next step**
  - Learn from the past (Global Warming Act of 1990)
- **Success in mitigating GHG emissions is contingent upon controlling growth in the residential/ commercial & industrials and transportation sectors**
- **Education is imperative**
  - Leadership is needed to maintain continuity and outreach
- **Public participation is a necessary part of a climate change process**
- **Collaboration is key and recognition for participation is necessary**
- **Interstate exchange and guidance is appropriate**
  - Sharing best practices: other states are following our lead. We will in turn learn as these states take actions.



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# Actions Taken Since Completion of Stakeholder Dialogue

## Draft Action Plan 2005

- Developed plan to implement the 38 recommendations
- Reanalyzed several recommended actions based on different assumptions and new information. Used economic and environmental models to help us assess benefits.
- Quantified emissions reductions for several recommended actions from Stakeholder Dialogue that did not have reductions quantified
- Provided opportunity for public comment and input





## Summary



- Draft plan submitted responds to statute (PA 04-252)
- Action plan reflects balanced and inclusive approach, plan informed by robust stakeholder process
- Plan considers economic, energy and environment
- Plan leverages opportunities for co-benefits
- Now, what are we thinking about as next steps?



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## Proposed Process for 2005

- Final action plan to legislature by 2/15/05
- Annual report to legislature by end of 2005
- Vigorous and open stakeholder process: seek input from diverse range of parties and sectors [[www.ctclimatechange.com](http://www.ctclimatechange.com)]
- Continue using solid inter-agency coordination and collaboration through the Governor's Steering Committee
- Continue technical work, using regional and national resources available to us
- Participate in state and regional efforts to leverage benefits and forward progress