



Connecticut Department of Energy and Environmental Protection



Climate Change Action in Connecticut

April 2015



Connecticut Department of Energy and Environmental Protection

Outline

- ✓ CT climate change legislation and action
- ✓ Current state of GHG emissions in CT
- ✓ CT climate change action next steps



Connecticut Climate Change Action & Legislation



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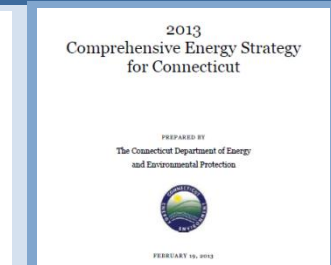
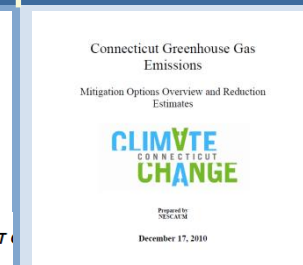
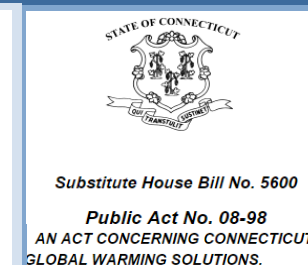
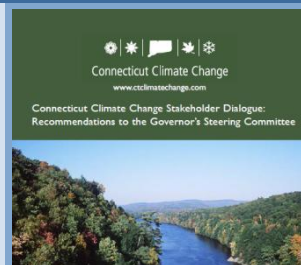
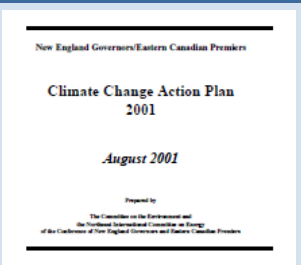
Timeline

CT signs the *NEG/ECP 2001 Climate Change Action Plan*

Governor's Steering Committee(GSC) on Climate Change finalizes *the CT Climate Change Action Plan* and submits to the General Assembly

GSC Adaptation Subcommittee issues *the Impacts of Climate Change on Connecticut Agriculture, Infrastructure, Natural Resources and Public Health*

CT Greenhouse Gas Emissions: Mitigation Options Overview and Reduction Estimates is published by NESCAUM



2001

2004

2005

2008

2010

2013

9-month stakeholder dialogue process develops the *2004 Connecticut Stakeholder Recommendations*

An Act Concerning Climate Change (Public Act 04-252) establishes CT-specific GHG goals that align with the NEG/ECP regional goals

CT Global Warming Solutions Act (Public Act 08-98) reaffirms CT's commitment to GHG targets for 2020 and 2050

CT and northeastern states participate in the first auction of the Regional Greenhouse Gas Initiative (RGGI), the first cap and trade program in the nation.

2013 Comprehensive Energy Strategy released

Governor's Steering Committee on Climate Change

The Governor's Steering Committee, **established in 2002**, was charged with leading a collaborative effort to develop and implement a Connecticut Climate Change Action Plan (CCCAP). Steering committee members included :

- Commissioner, Environmental Protection
- Commissioner, Transportation
- Commissioner, Administrative Services
- Commissioner, Public Utility Control
- Undersecretary, Office of Policy and Management
- Chairman, Clean Energy Fund

2005 Climate Change Action Plan



- The plan contains 55 recommended actions that focus on five main topic areas:
 - 1) transportation and land use;
 - 2) residential, commercial and industrial;
 - 3) agriculture, forestry and waste;
 - 4) electricity generation; and
 - 5) education and outreach.

Global Warming Solutions Act

Public Act No. 08-98

Reaffirmation of GHG Reductions

- Reduce GHG emissions 10% below 1990 levels by January 1, 2020
- Reduce GHG emissions 80% below 2001 levels by January 1, 2050.

Climate Action Planning

- Established a framework for monitoring and reporting progress to meet the mandated targets.
- Established a framework for engaging stakeholders in the process.

Regional Greenhouse Gas Emissions Inventory

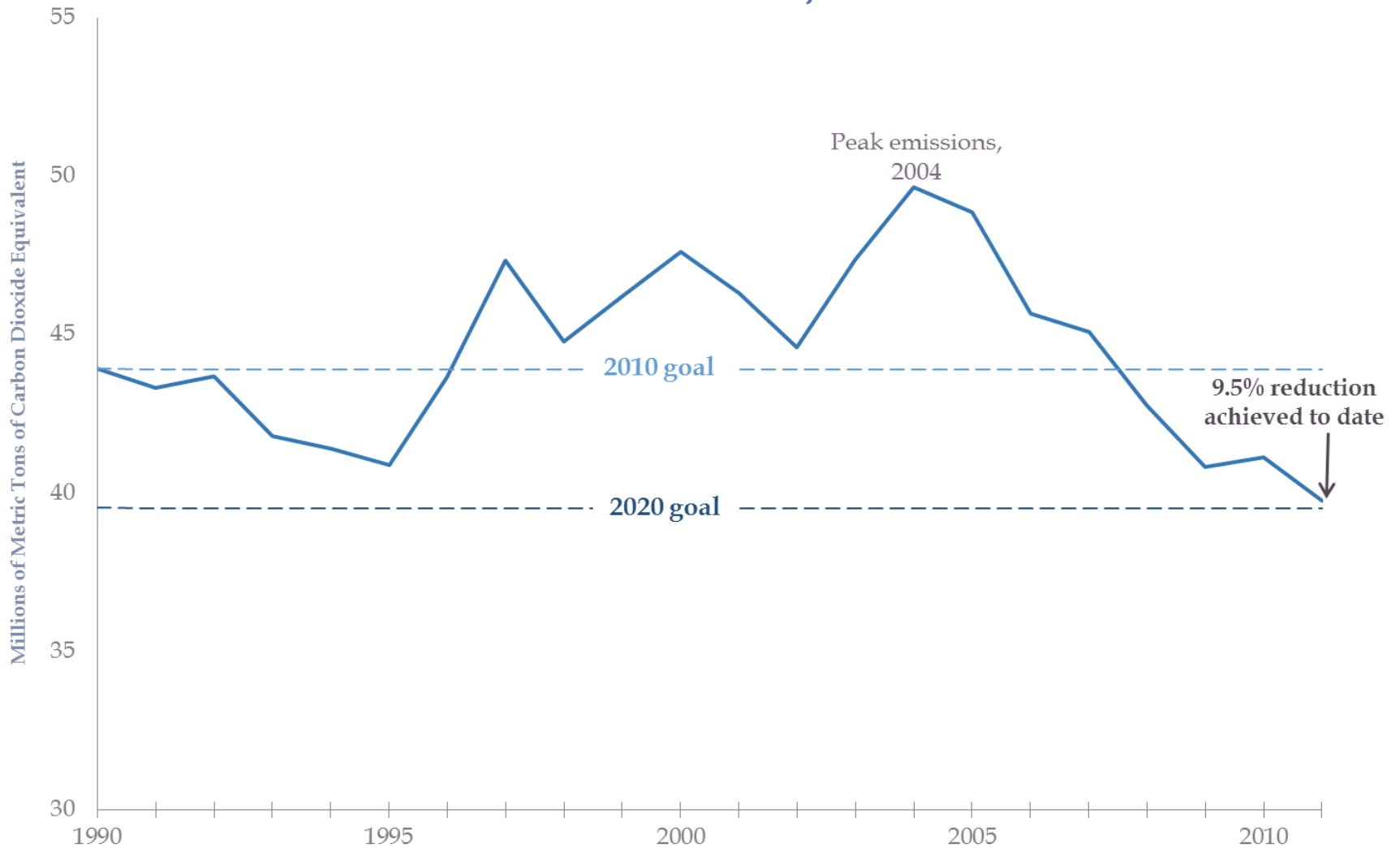
- Implement CT's participation in the [Regional Greenhouse Gas Initiative](#), the nation's first market-based regulatory program to reduce GHG emissions.

Greenhouse Gas Emissions Goals & Current Progress



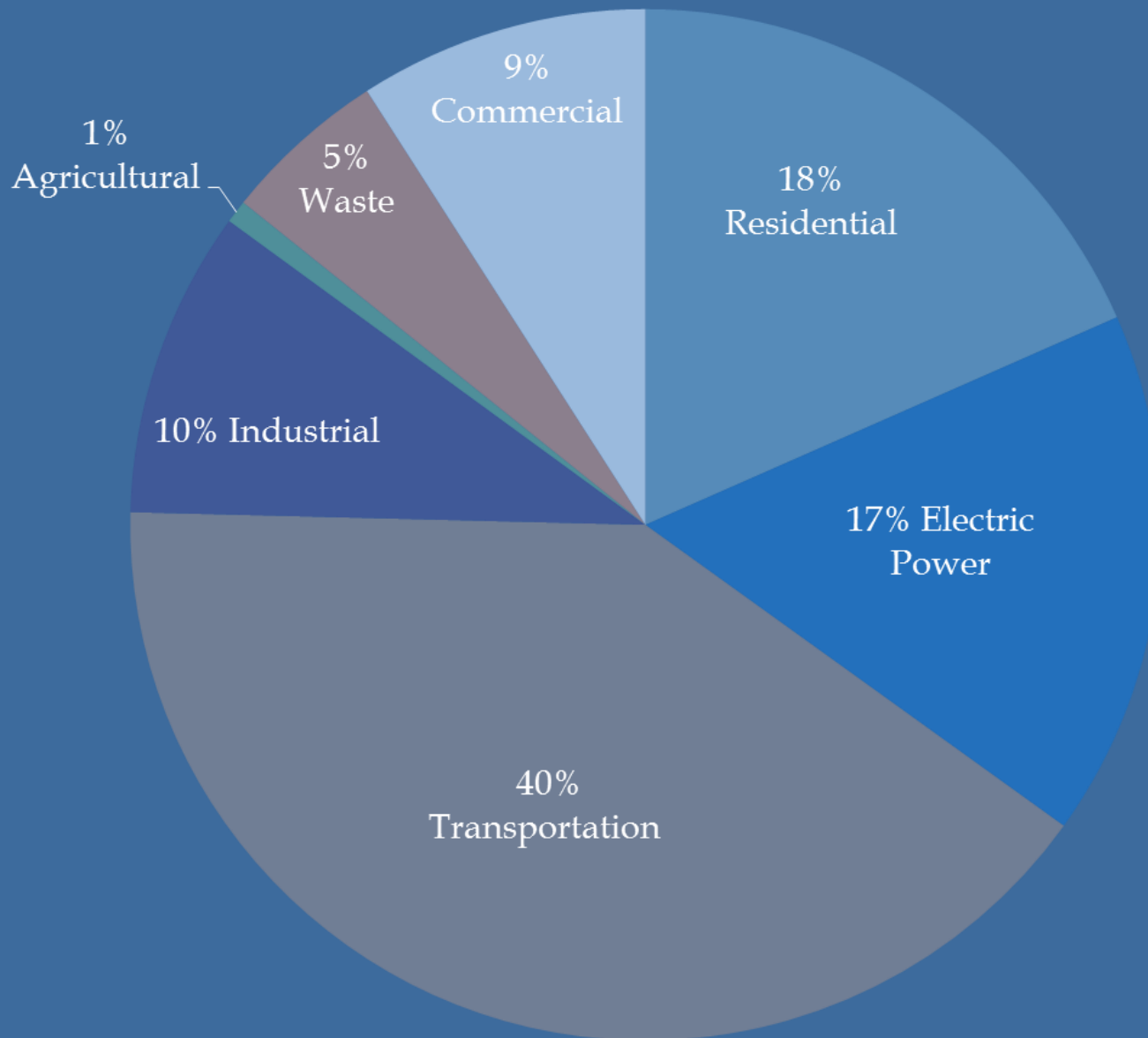
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Annual GHG Emissions, 1990-2011

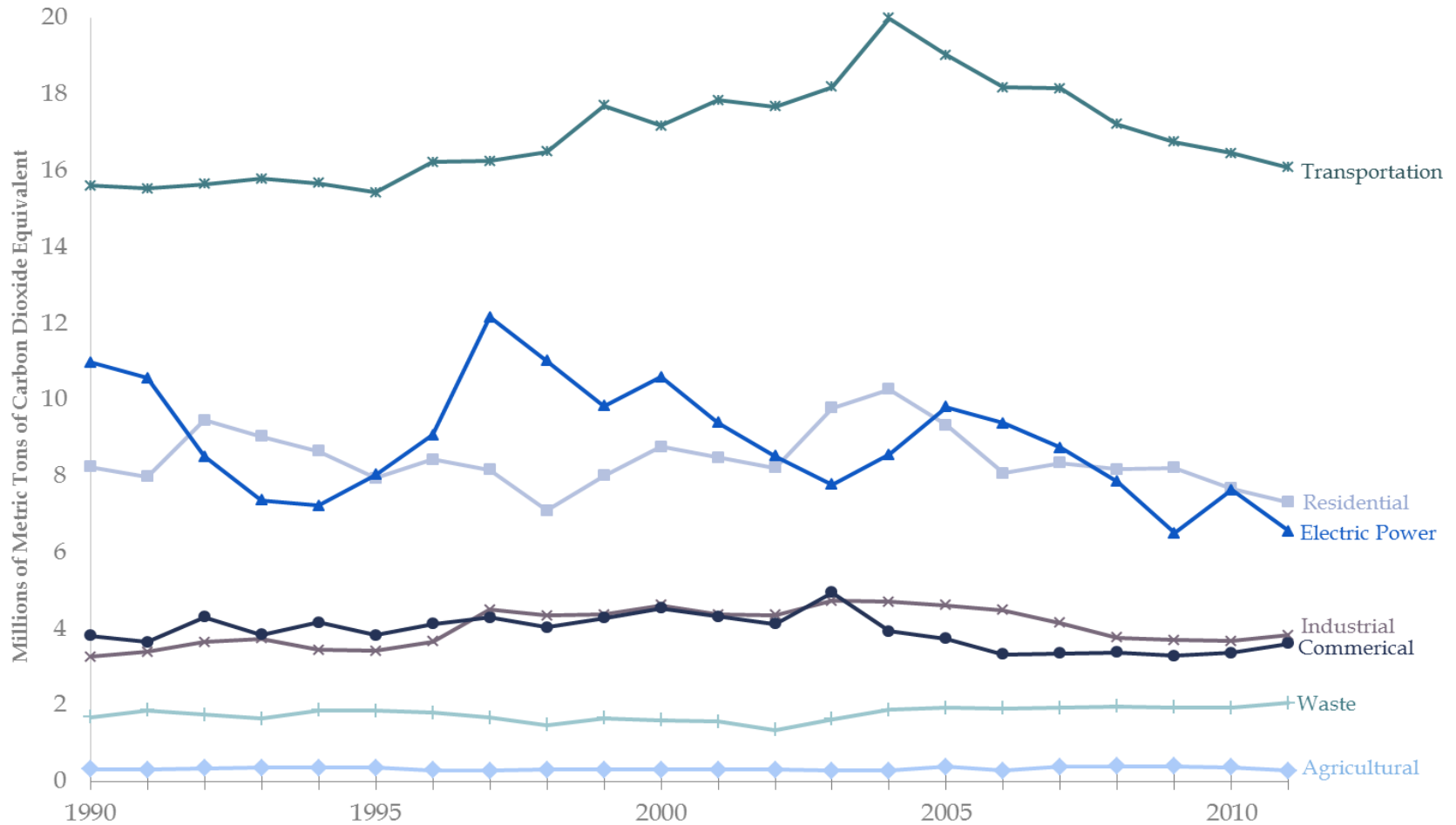


Statewide, Connecticut achieved a 9.5 percent reduction in greenhouse gas emissions between 1990 and 2011.

2011 GHG Emissions % by Sector



Annual GHG emissions by Sector, 1990-2011



In Connecticut, the transportation sector is the most significant source of fossil fuel combustion related GHG emissions (40%) followed by the residential (18%), electric power (17%), industrial (10%), commercial (9%), waste (5%) and agricultural (1%) sectors respectively.

Goals and Current Progress

GHG emissions and GWSA Mandates

Sector	2011	2020	2050
Residential	7.3 (↓11.3%)	7.4	1.7
Commercial	3.6 (↓5.5%)	3.4	0.9
Industrial	3.8 (↑17.5%)	2.9	0.9
Transportation	16.1 (↑3%)	14.1	3.6
Electric Power	6.6 (↓40%)	9.9	1.9
Agriculture	0.3 (↓11.7%)	0.3	1.0
Waste	2.1 (↑21.6%)	1.5	0.3
Total	39.8 (↓9.5%)	39.5	9.3

All numbers are in MMTCO₂e

Percent increase and decrease's are based on comparisons to the 1990 baseline

Connecticut Climate Change What's Next?



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Next Steps

- Identifying shared value
- Stakeholder engagement: business, NGOs, municipalities, and colleges and universities
- Consistent communications



Thank You



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