

EnergyVision 2030

Transitioning to a Low-Emissions Energy System in the Northeast

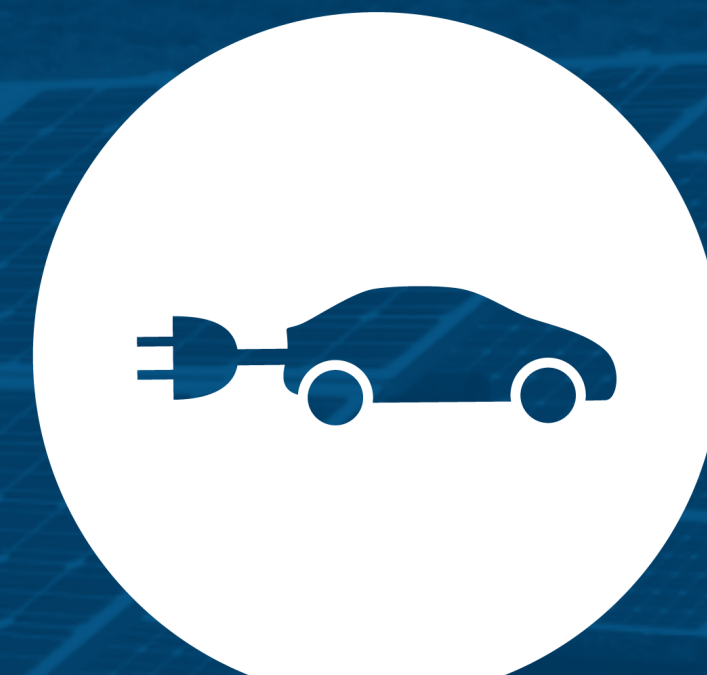
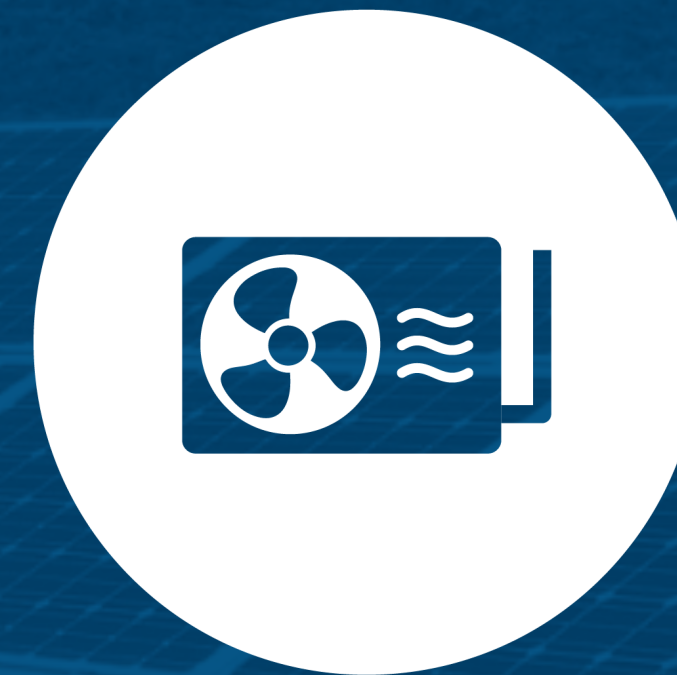
Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont

Questions We Addressed

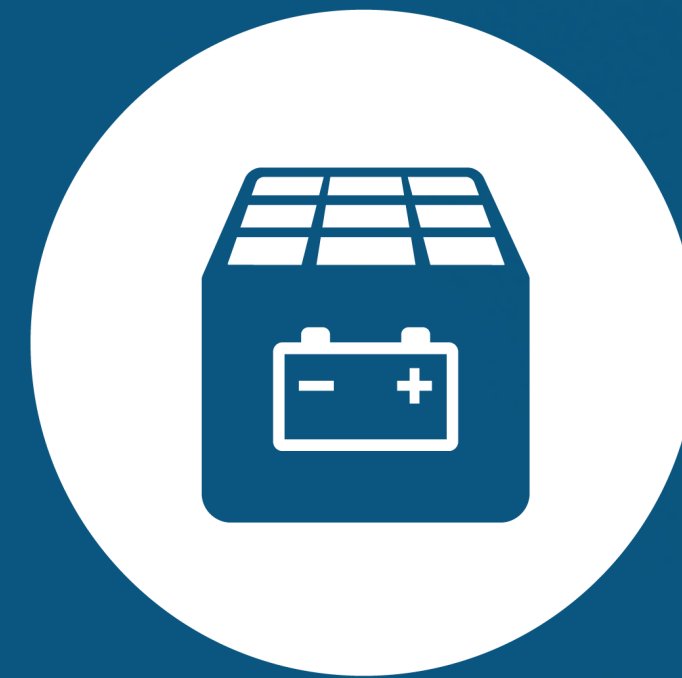
EnergyVision 2030: Overview

- Data driven analysis for 7 states
- What clean energy market levels are needed to achieve 45% GHG reduction from 1990 levels
- Policy recommendations in 4 key areas
- States can achieve 2030 climate goals if they act now.

Rapidly Advancing Clean Technologies Offer States an Unprecedented Opportunity



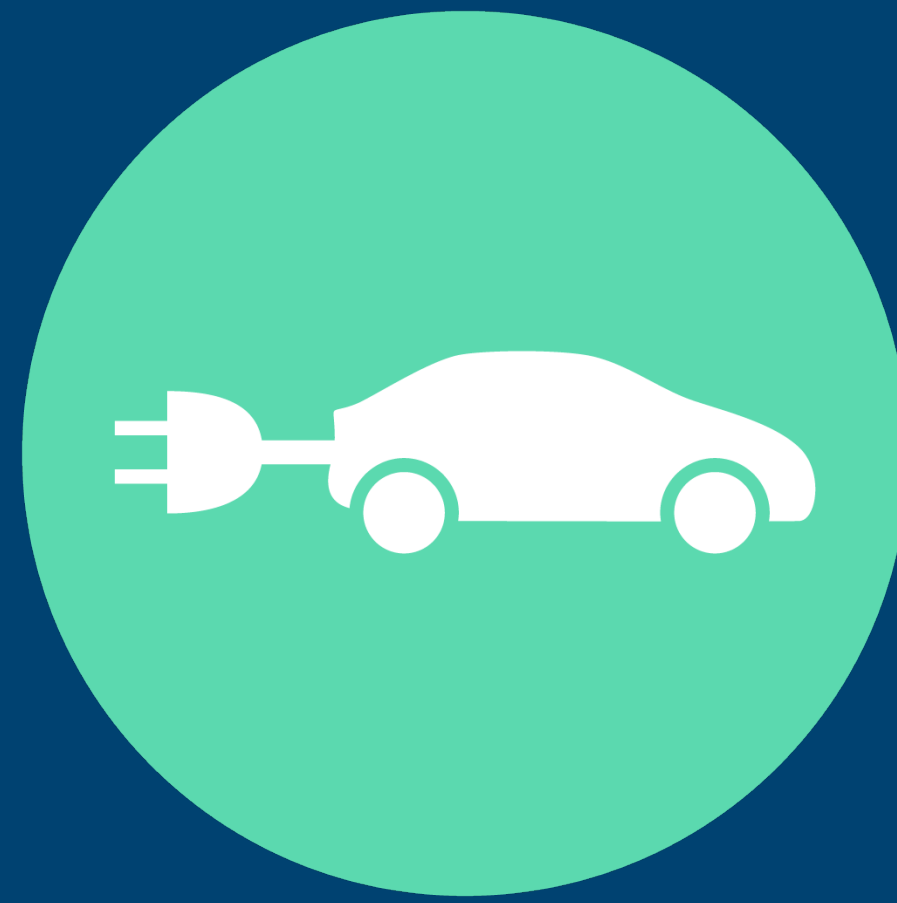
Rapidly Advancing Clean Technologies Offer States an Unprecedented Opportunity



Pathways in 4 Key Areas:



Generation



Transportation



Buildings



Grid

EnergyVision 2030: Providing the Data and Pathways for Clean Energy Market Goals



Long-range Energy Alternatives Planning

States' efforts are paying off and lay the foundation for redoubled efforts

The first generation of climate and energy policies have been successful

Climate Policy Success



Energy Efficiency
Programs

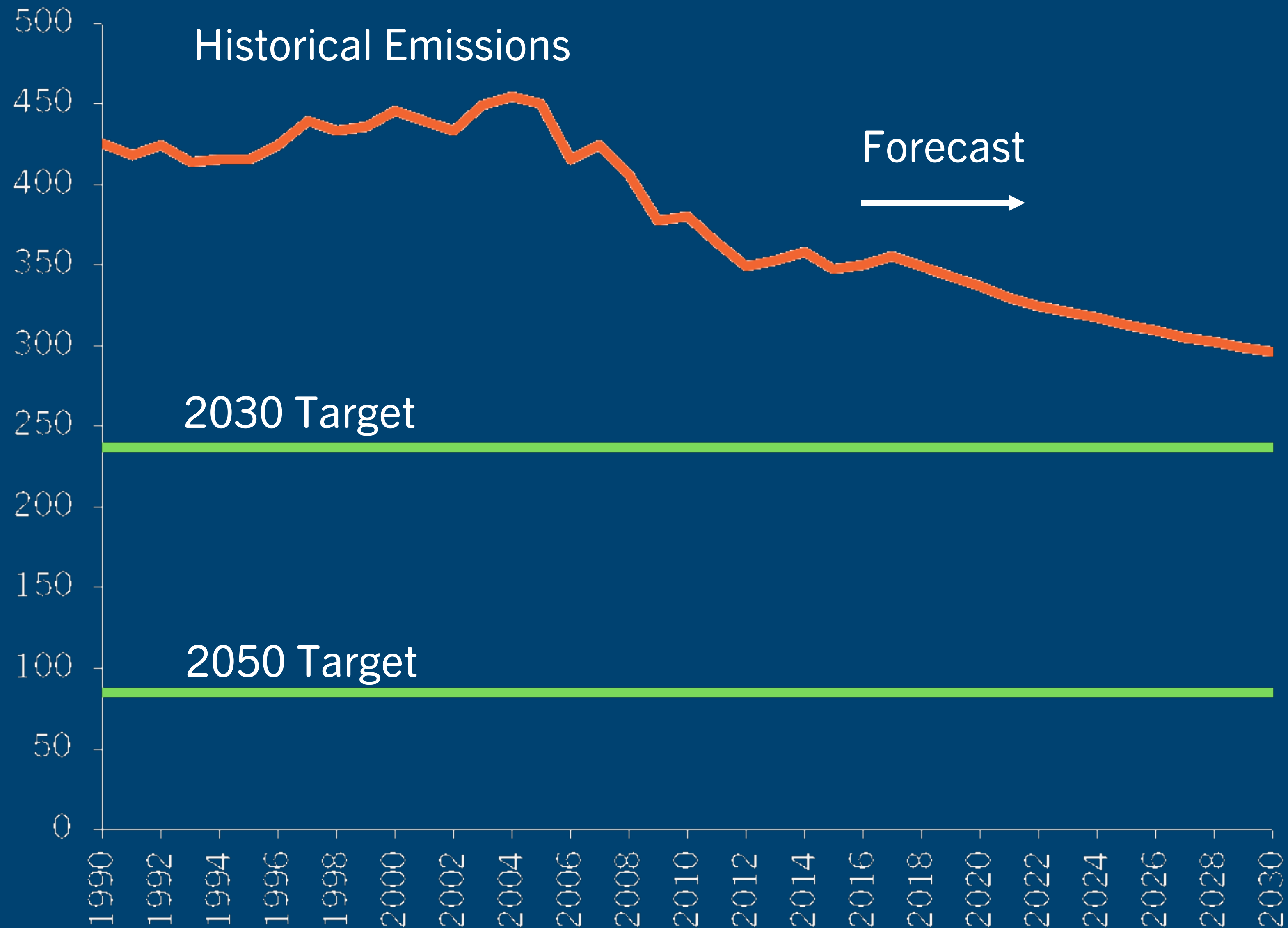


Renewables



Regional
Greenhouse Gas
Initiative (RGGI)

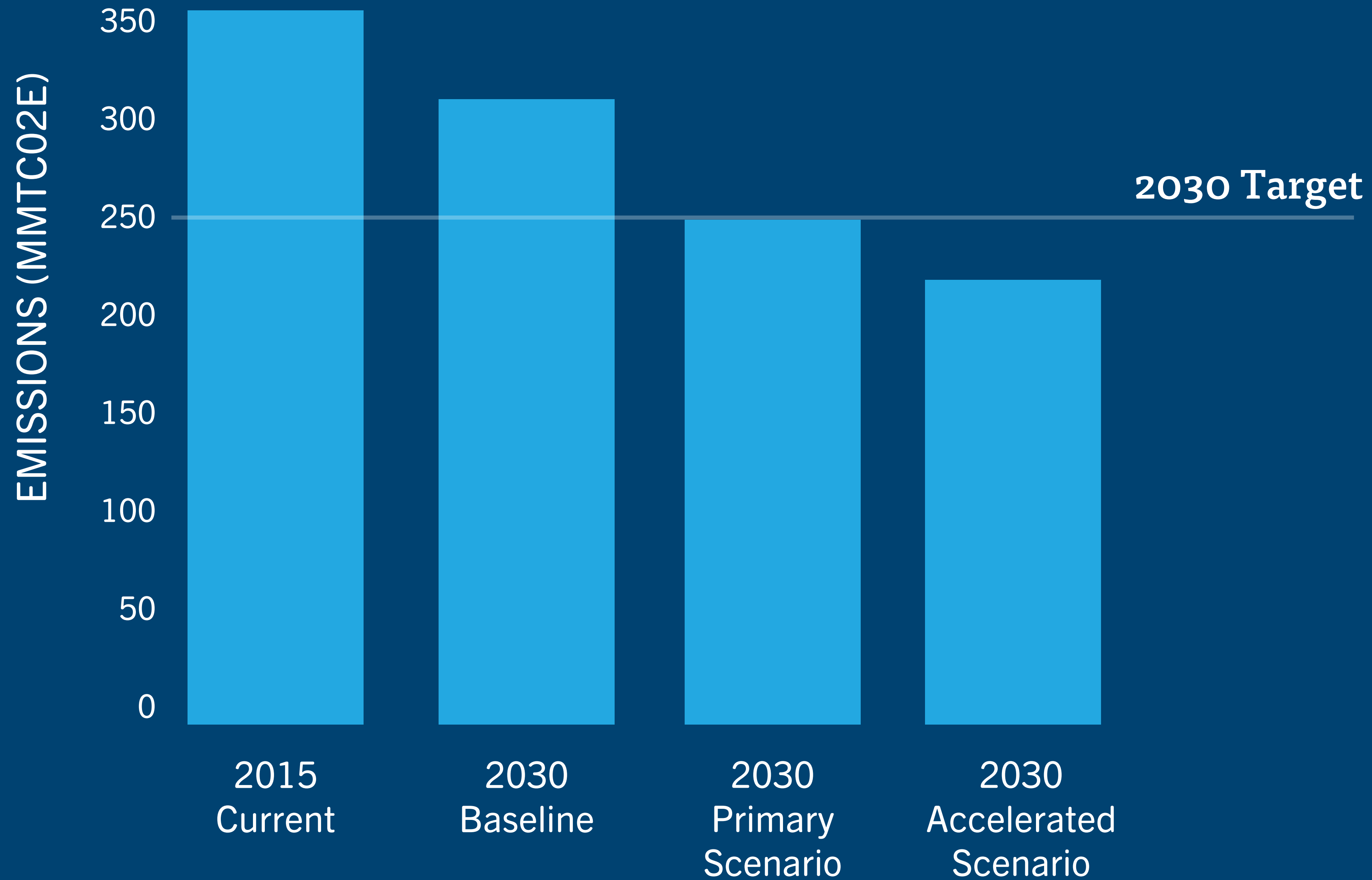
Emissions Reduction Success



With enhanced efforts now, New York & New England can:

- Build from this foundation
- Spur development of clean energy markets
- Keep consumer energy dollars invested in-state
- Close the gap on climate pollution
- Show national leadership

Scenario Results



What does the 2030 clean energy system look like?

EnergyVision 2030: Enhanced Clean Energy

	Current Market Levels (2015)	2030 Baseline Under Current Trends	EnergyVision 2030 Primary Scenario	EnergyVision 2030 Accelerated Scenario
Electric Vehicles (% of fleet)	<1%	5%	17%	23%
Heat Pumps (% of residential heat)	<1%	3%	13%	16%
Electric Generation (% renewable)	19%	44%	57%	66%
Wind and Solar	3%	24%	35%	45%
Hydro	13%	18%	20%	19%
Other	4%	3%	2%	2%
Electric Efficiency (average % annual savings)	1.4%	1%	2.5%	2.7%
Emissions Reduction from 1990 Levels	18%	30%	45%	50%

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A next generation of
clean energy policies is needed.

Selected Policy Recommendations

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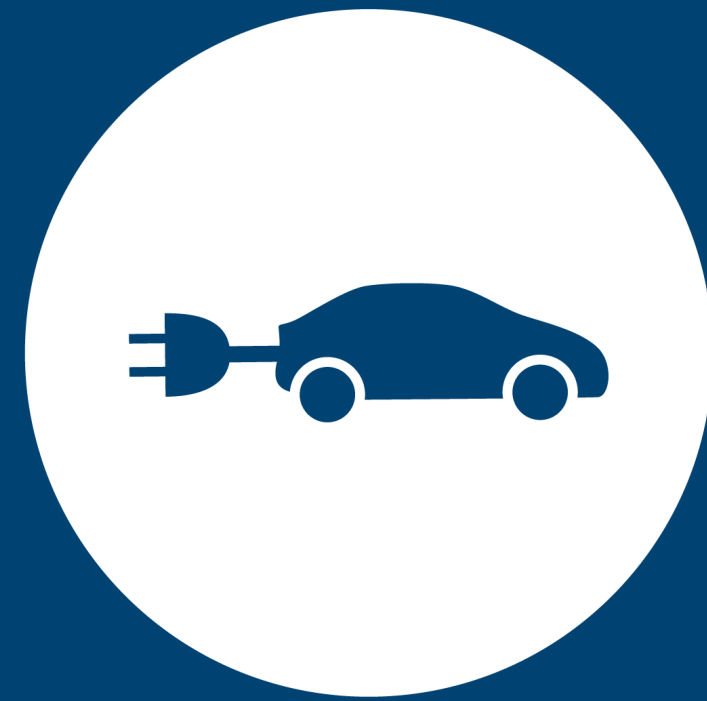


Increase
Renewable
Markets

Selected Policy Recommendations



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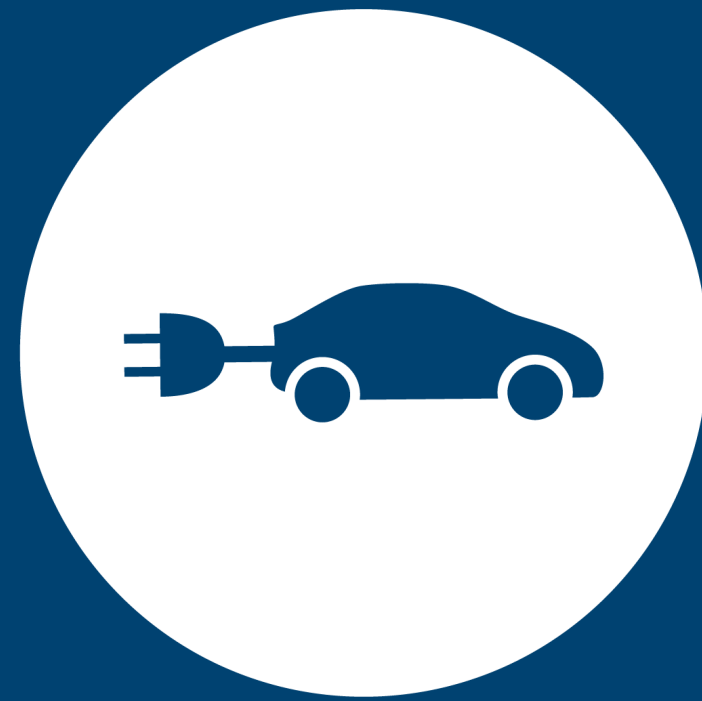


Strengthen
EV
Market

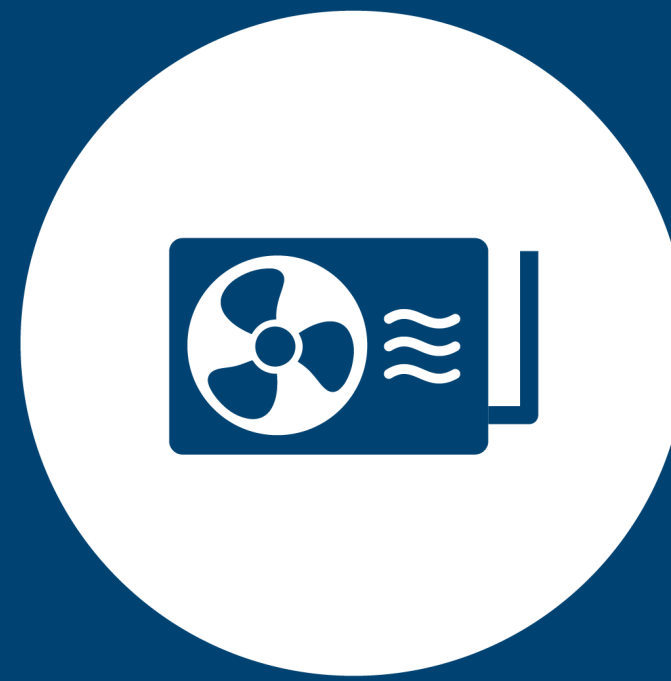
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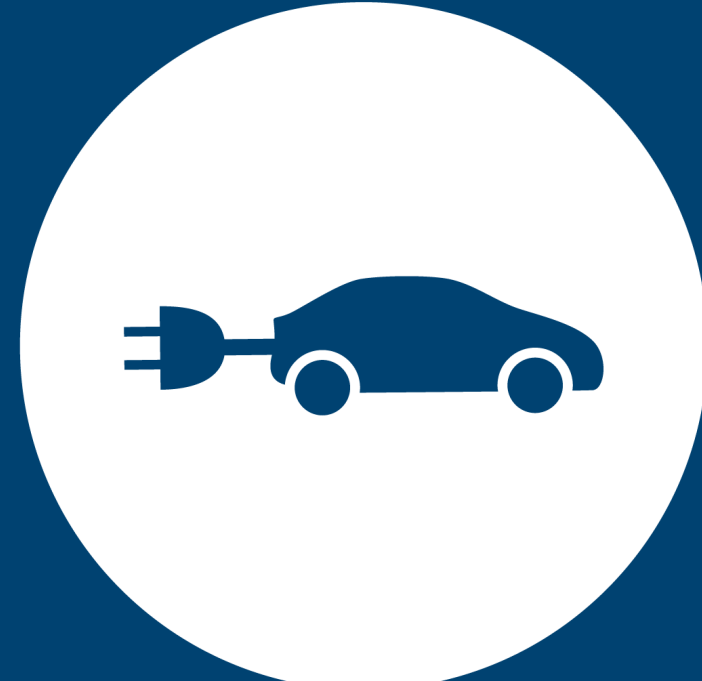


Expand Use
of Heat
Pumps

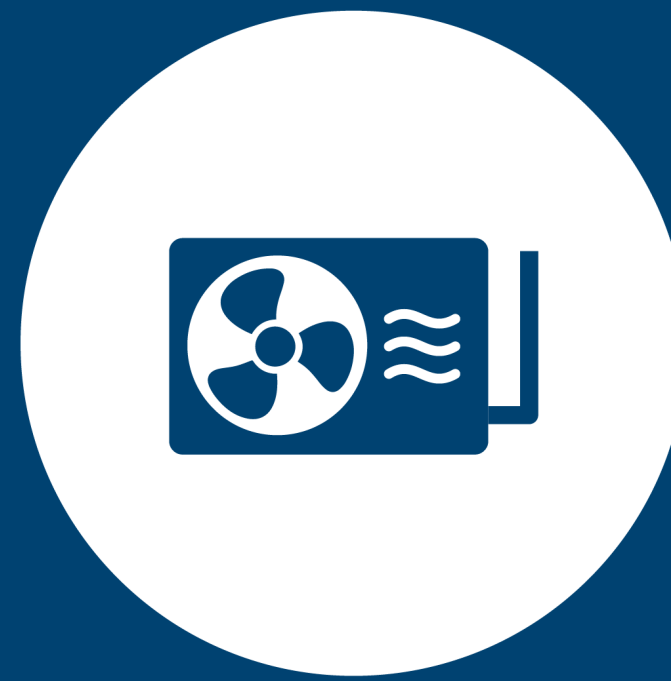
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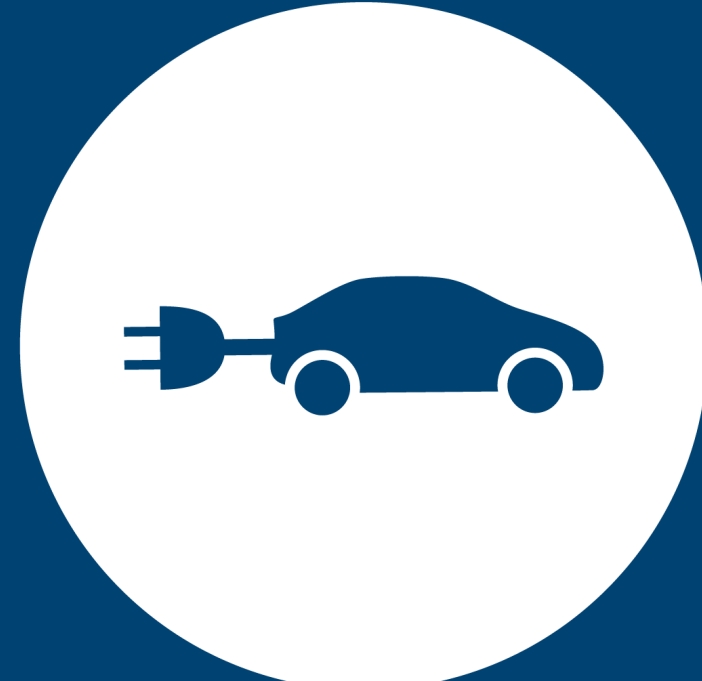


Modernize
Energy
Grid

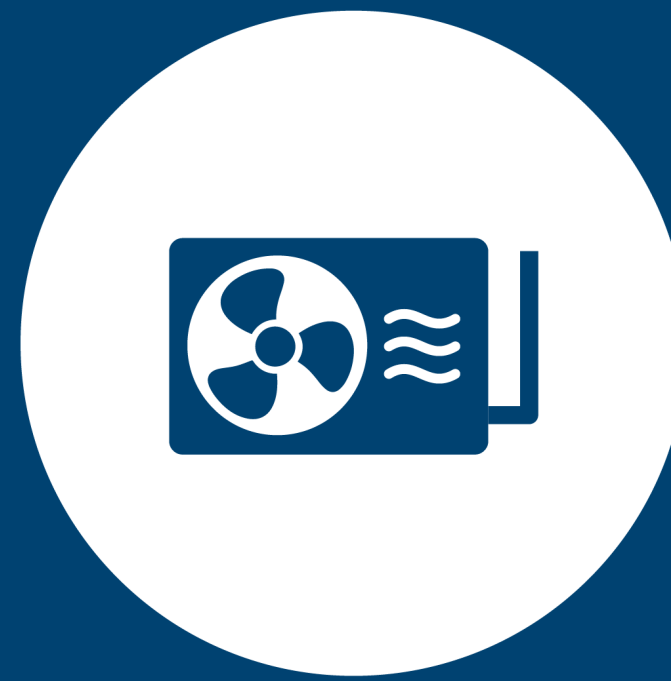
Selected Policy Recommendations



Increase
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Strengthen
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Expand Use
of Heat
Pumps



Modernize
Energy
Grid



Reform
Utility
Incentives

Conclusion:

A clean energy future is in our reach
and will benefit us all.



EnergyVision 2030: Materials and Resources

- Dedicated interactive website: 2030.acadiacenter.org
- Summary brochure with fold-out infographic poster
- 4-page handouts with in-depth recommendations on specific issues
- 50-page Technical Appendix with full results and modeling details



Acadia
Center

EnergyVision
2030

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