

Maine Climate Council

Emissions Modeling Webinar



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GOVERNOR'S OFFICE OF
**Policy Innovation
and the Future**



MAINE DEPARTMENT OF
Environmental Protection

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CLIMATE COUNCIL GOALS



12.01.24

Updated Climate Action
Plan Due



Achieve State Carbon
Neutrality by

2045

REDUCE MAINE'S GREENHOUSE GAS EMISSIONS BY
TARGETS OUTLINED IN STATE LAW

45%

BELOW 1990 LEVELS
BY 2030

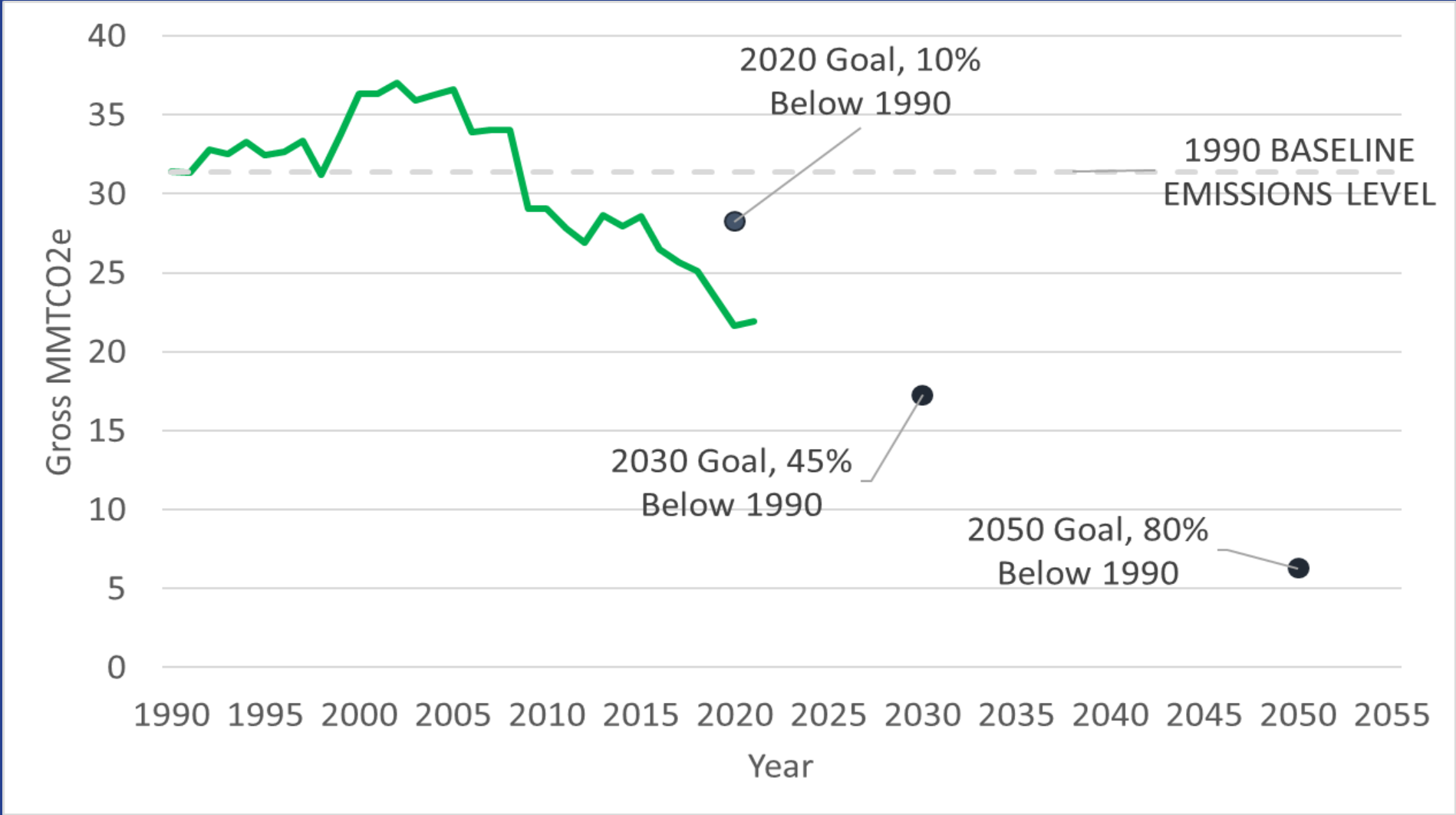
80%

BELOW 1990 LEVELS
BY 2050



ENSURE MAINE PEOPLE, INDUSTRIES, AND COMMUNITIES ARE RESILIENT
TO THE IMPACTS OF CLIMATE CHANGE.

Maine DEP Tenth Biennial GHG Report - Key Takeaways



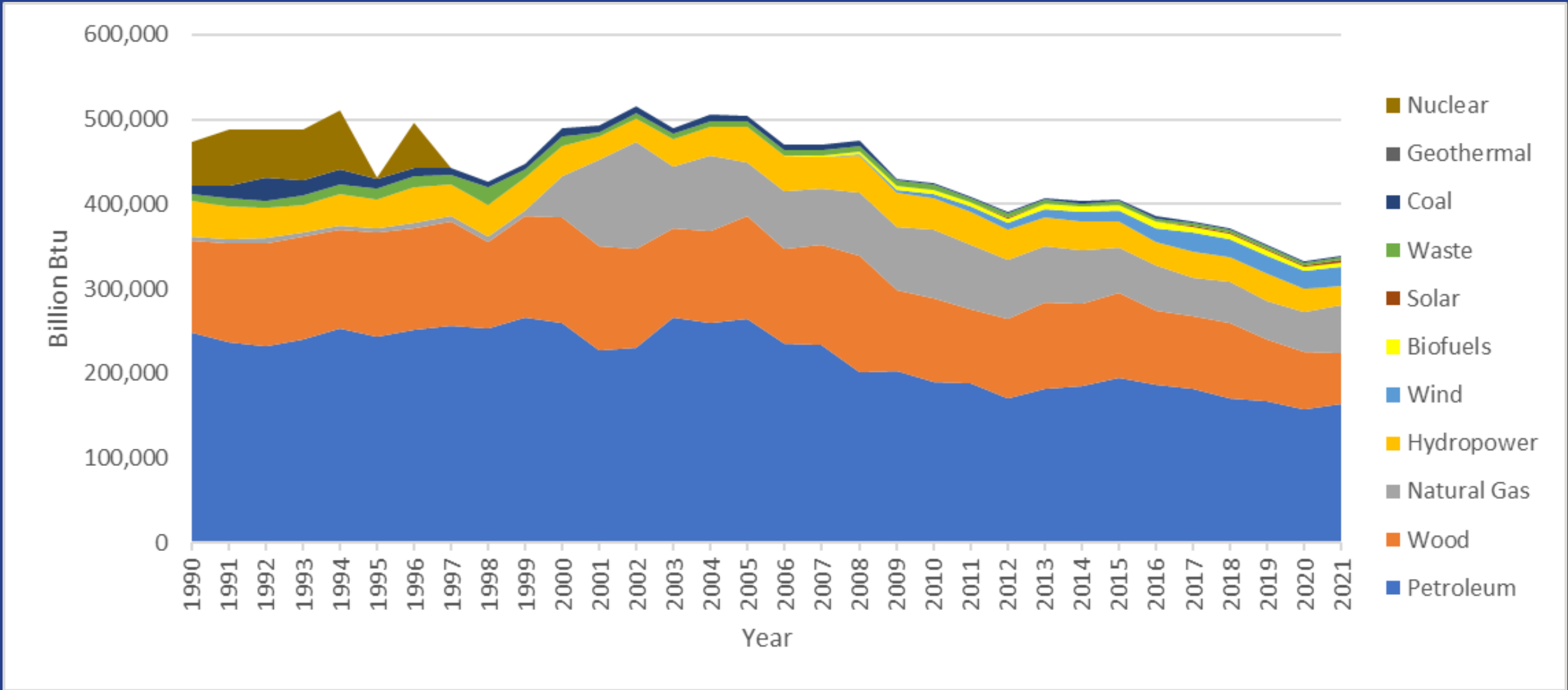
Maine DEP Tenth Biennial GHG Report – Key Takeaways

Table A1. Maine's Greenhouse Gas Emissions by Source Category in MMTCO₂e
(Including Biogenic Emissions)

	Energy	Industrial Processes	Agriculture	Waste	Gross Emissions
1990	29.42	0.67	0.52	0.79	31.39
2020	20.29	0.41	0.46	0.47	21.63
2021	20.52	0.52	0.41	0.48	21.93



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Table A4. Maine's Gross Greenhouse Gas Emissions by Energy Sector with Source Category (MMTCO₂e)

	1990	2000	2010	2015	2019	2020	2021
ENERGY SECTOR EMISSIONS TOTAL	29.10	33.62	27.15	26.97	21.76	20.16	20.38
Residential Total	4.21	5.19	3.97	4.63	4.84	4.64	4.19
Commercial Total	2.34	1.99	1.92	2.14	2.10	1.92	2.04
Industrial Total	10.41	12.29	7.76	6.85	5.74	5.03	4.33
Transportation Total	8.27	8.64	8.33	9.08	7.63	7.04	7.52
Electric Power Total	3.88	5.52	5.18	4.27	1.46	1.53	2.29



Key targets modeled in Maine Won't Wait (2020)

- Electric vehicles (EVs) on the road
- Reduction in vehicle miles traveled (VMT) per vehicle
- Households with partial-home heat pump systems
- Households with whole-home heat pump systems
- Weatherized households

