

Maine Climate Council

October Meeting



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



MAINE DEPARTMENT OF
Environmental Protection

October 31, 2024

Agenda

1. Welcome
2. Overview of revisions since last meeting
3. Results of modeling and targets
4. Confirm agreement on core climate action plan content
5. Next Steps



Document revisions since 10/23

- **Throughout:** Edits for clarity, conciseness, and active language
- **New chapters added:** Climate Impacts, Goals, and Implementation chapters, including updated targets and metrics based on latest modeling
 - **Implementation:** Recommendation to develop a long-term funding plan and investment strategy to support implementation of *Maine Won't Wait*
- **Strategy A - Transportation:** Added reference to MaineDOT's ongoing efforts to improve rail, described specific modeling efforts to address transportation infrastructure most at risk
- **Strategy B - Buildings:** Updated language on building code adoption to clarify the timeline for adopting each code cycle, added recommendation to evaluate thermal energy networks



Document revisions since 10/23 (continued)

- **Strategy C - Clean Energy:** Further strengthened language about reliability, energy costs, and the impact of these strategies
- **Strategy D - Jobs:** Added more detail on K-12 and higher education pathways to clean energy careers
- **Strategy E - Natural and Working Lands and Waters:** Described broader need for land conservation funding beyond Land for Maine's Future program, revised language to reflect size and impact of fisheries in Maine communities
- **Strategy F - Resilience:** Added bullets on public health following disasters and vector-borne disease monitoring, revised land use language, combined materials management recommendations
- **Strategy G - Engage with Maine People:** Language edits to highlight importance of action in schools (Strategy G and throughout)



Targets for emissions reduction



Emissions Modeling Across Scenarios - 2030

Description	Revised Maine Won't Wait 2020	Maine Won't Wait 2024
Number of Light-duty EVs on the Road	219,000	150,000
EV/PHEV Share of New Light-duty Vehicle Sales in 2030	70.5%	58%
Reduction in Light-duty VMT per Vehicle	20%	20%
ZEV Share of New Medium and Heavy-duty Vehicle Sales	33.5%	17.5%
Number of Medium and Heavy-Duty EVs on the road	5,000	3000
Reduction in Heavy-duty VMT per Vehicle	4%	4%
Number of Households with Retrofit Heat Pumps (installed after 2018) and Legacy Fossil Systems	130,000	130,000
Number of Households with Whole-Home Heat-Pump Systems	116,000	116,000
Commercial building management service demand reductions	0%	10%
Newly Weatherized Households (after 2019)	35,000	35,000
Improvements in industrial process efficiency		1%/yr

Emissions Modeling Across Scenarios - 2050

Description	Revised Maine Won't Wait 2020	Maine Won't Wait 2024
Number of Light-duty EVs on the Road	1,420,000	1,420,000
EV/PHEV Share of New Light-duty Vehicle Sales in 2050	100%	100%
Reduction in Light-duty VMT per Vehicle	20%	20%
ZEV Share of New Medium and Heavy-duty Vehicle Sales	100%	100%
Number of Medium and Heavy-Duty EVs on the road	83,000	81,000
Reduction in Heavy-duty VMT per Vehicle	4%	4%
Number of Households with Retrofit Heat Pumps (installed after 2018) and Legacy Fossil Systems	46,000	46,000
Number of Households with Whole-Home Heat-Pump Systems	481,000	481,000
Newly Weatherized Households (after 2019)	105,000	105,000

Additional proposed targets for 2024



Target	Proposed 2024 Target
Heat pumps in low-income households	40,000 by 2030
Low-income homes weatherized	10,000 by 2030
New or renovated clean and energy efficient affordable housing units	1,500 per year
Percent of light-duty EV rebate funding to low- and moderate-income (LMI) households	50%
Percent of climate infrastructure and resilience investments in disadvantaged communities	40%
LMI Households with rooftop solar and/or enrolled in community solar projects	15,000 by 2030



Target	Proposed 2024 Target
Publicly-funded EV charging ports	700 by 2028
Renewable electricity use in Maine	80% by 2030
Clean energy jobs created	30,000 by 2030
New Registered Apprentices	7,000 by 2030



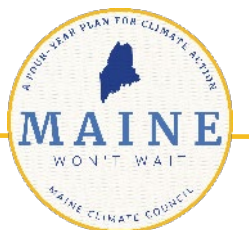
MCC Discussion:

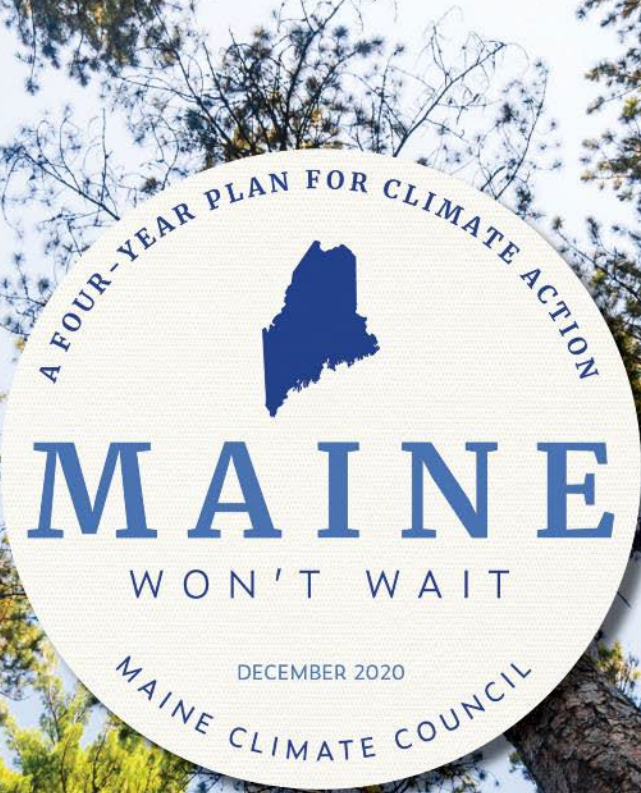
Confirm core content of climate action plan



Next steps:

- MCC meeting November 21 – TBD, in person





A FOUR-YEAR PLAN FOR CLIMATE ACTION



MAINE

WON'T WAIT

DECEMBER 2020

MAINE CLIMATE COUNCIL