

Maine Climate Council

Virtual Public Meeting



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



MAINE DEPARTMENT OF
Environmental Protection

September 4, 2024

Tonight's Conversation

1. Welcome
2. Activity: Vision for Climate Action in Maine
3. Introduction to the Maine Climate Council
4. Climate Action Strategies
5. Open-Ended Input (Zoom Chat)



Maine Climate Council Public Meetings

- Sept. 4th @ 6pm | Zoom
- Sept. 5th @ 6pm | Presque Isle Community Center
- Sept. 10th @ 6pm | Lewiston Public Library
- Sept. 12th @ 6pm | Portland (King Middle School)
- Sept. 17th @ 6pm | Bangor Public Library
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Maine is already seeing impacts from climate change.

Warmer temperatures

The past four years have ranked among the ten warmest on record



More precipitation

1-2 additional days per year with 2+ inches of precipitation



Shorter winters

Winters now are 2 weeks shorter than the period between 1901-2000



Rising sea levels

Sea levels are 8 inches higher than a century ago



Source: Maine Climate Council Scientific and Technical Subcommittee, *Scientific Assessment of Climate Change and Its Effects in Maine - 2024 Update*





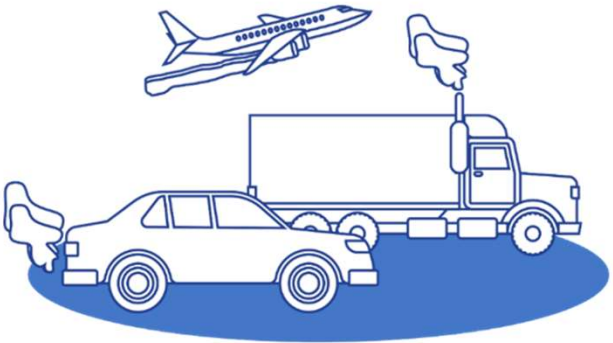
Climate action looks like making our infrastructure more resilient



Climate action looks like helping natural resource industries adapt to changing conditions



80% of Maine's carbon dioxide emissions from fossil fuels come from transportation and buildings.



49%
Transportation



19%
Residential



12%
Commercial



10%
Industrial



9%
Electric Power

Source: Maine Department of Environmental Protection 10th Biennial Greenhouse Gas Emissions Report



Climate action looks like increasing access to clean energy

Source: MaineWon'tWait.org





Climate action looks like creating more clean energy jobs

Source: Governor's Office of Policy Innovation and the Future

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Climate action looks like improving public transportation options

Source: MaineWon'tWait.org



Climate action looks like adding more electric vehicle charging stations across Maine



Climate action looks like expanding high-speed internet access

Source: Island Institute





Climate action looks like protecting our natural resources for all to enjoy

Source: Governor's Office of Policy Innovation and the Future

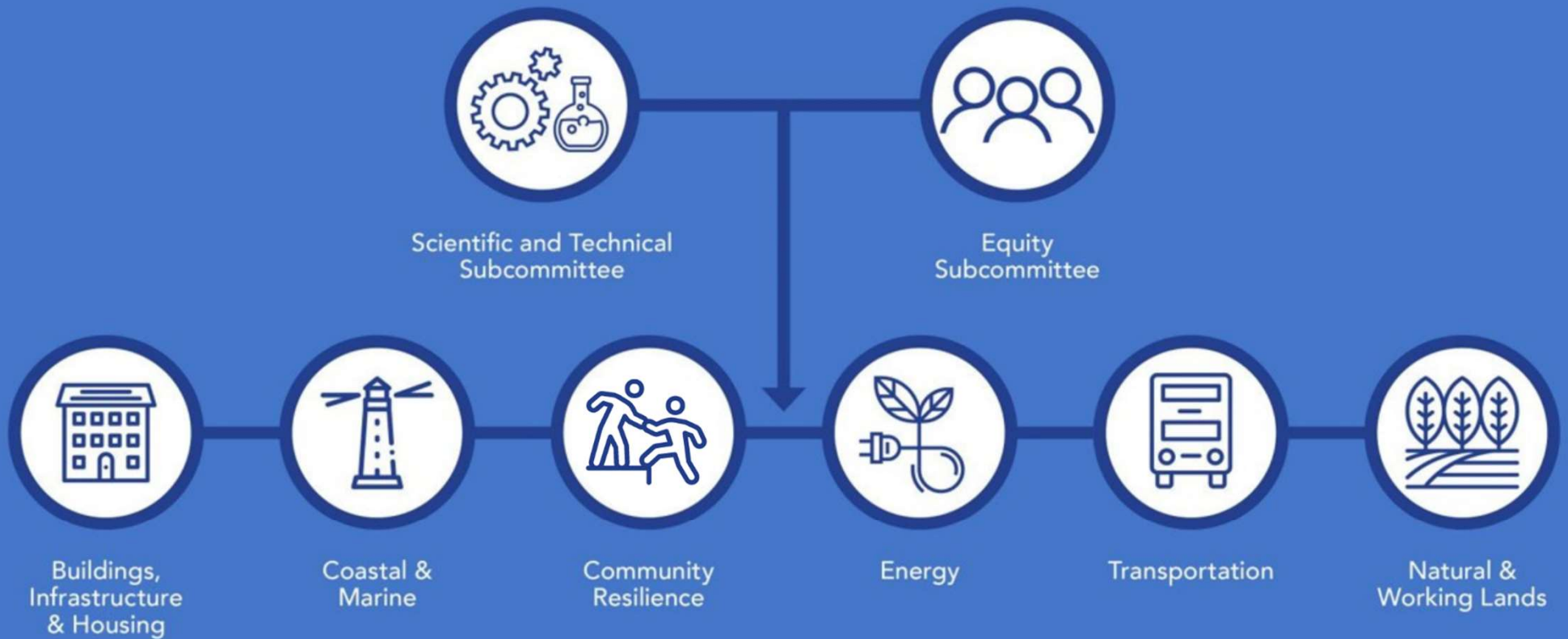


What does successful climate action in Maine look like to you?

Pick **three (3)** words or phrases and enter them into the Zoom chat. (**1-3 words each**)



Maine Climate Council



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's Climate Action Plan Goals:



1. Reduce Maine's **greenhouse gas emissions**
2. Make Maine more **resilient** to the impacts of climate change
3. Foster **economic opportunity** and **prosperity**
4. Advance **equity** through Maine's response

Climate Action Plan Timeline



We are here.



Working Group and Task Force Recommendations

**Complete recommendations and
survey:**

www.maine.gov/future/climate/council/workinggroups/2024strategies

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Meeting

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Photo credit: MaineDOT



Photo credit: Island Institute

Community Resilience Recommendations



1



Empower Local and Regional Community Resilience Efforts.

Enhance state and local abilities to assess climate risks, prepare for and recover from natural disasters, and adapt infrastructure and communities.



2

3

Establish a framework for measuring the effectiveness of adaptation and resilience actions.



4

Improve information and education about climate and health.

5

Expand access to funding and financing for climate adaptation and emissions reduction.



6

Increase awareness and action on the mental health impacts of climate change.



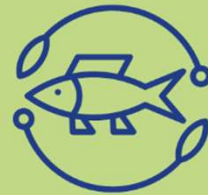


Coastal & Marine Recommendations



1

Build healthy and resilient coastal communities and protect critical place-based infrastructure.



2

Support climate adaptation of Maine's fisheries, aquaculture and seafood industries.

3



Monitor, conserve and increase resilience of coastal and marine ecosystems.





Natural & Working Lands Recommendations



1

Increase by 2030 the total acreage of conserved Natural and Working Lands in the state to 30%.



2

Increase the amount of food consumed in Maine from state food producers to 30% by 2030.

3



Develop new incentives to increase carbon storage.





Materials Management Task Force Recommendations



1 Measure and reduce consumption-based emissions.

2

Advance policies and deploy funding resources to grow Maine's circular economy.

3

Reduce food loss and waste 50% by 2030.

(base year 2016)



Regionalize and scale-up access to waste prevention and diversion services.



4



Foster resilience in the built environment through materials collection and reuse.

6

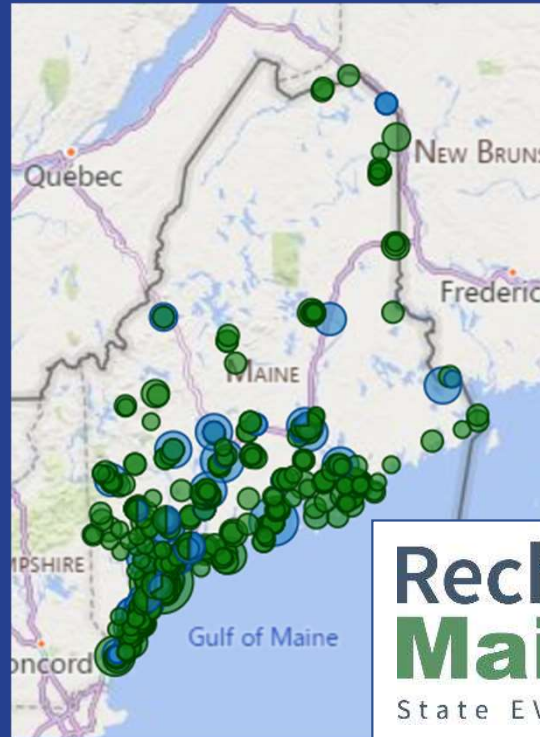
Reduce and capture methane emissions from Maine's waste sector.





MaineDOT Workforce Transportation Pilot, Bath Ironworks

Expanding Maine's public EV charging network



Charging Level ● DC Fast Charge Ports ● Level 2 Ports



Transportation Recommendations

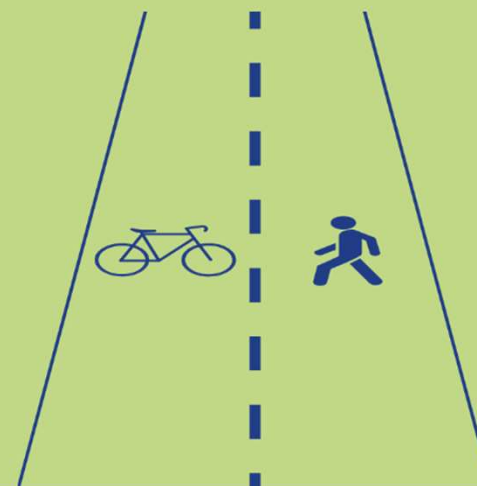


1

Accelerate Maine's transition to light-duty electric vehicles, including plug-in hybrid vehicles.



Reduce vehicle miles traveled.



2

3

Accelerate Maine's adoption of zero-emission medium-and heavy-duty vehicles.





Maine leads the nation on heat pump deployment



Buildings, Infrastructure & Housing Recommendations



1

Continue the progress on making homes and businesses more energy efficient by investing in weatherization and heating systems.



2

Establish strong systems to support rapid adoption and compliance with climate-friendly building codes and standards.

3



Promote the manufacture and use of climate-friendly building products.

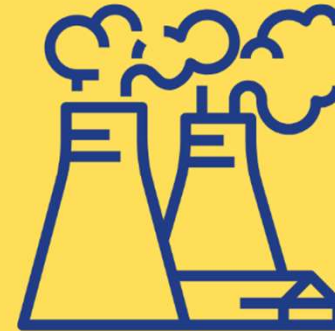
4



Support measures that both reduce carbon and improve resilience.

5

Accelerate decarbonization in industrial processes.



6

Continue to lead by example in publicly-funded buildings.





Energy Recommendations



1 Decrease energy burdens while transitioning to clean energy.



2

Plan and build the infrastructure needed to achieve 100% clean electricity by 2040.

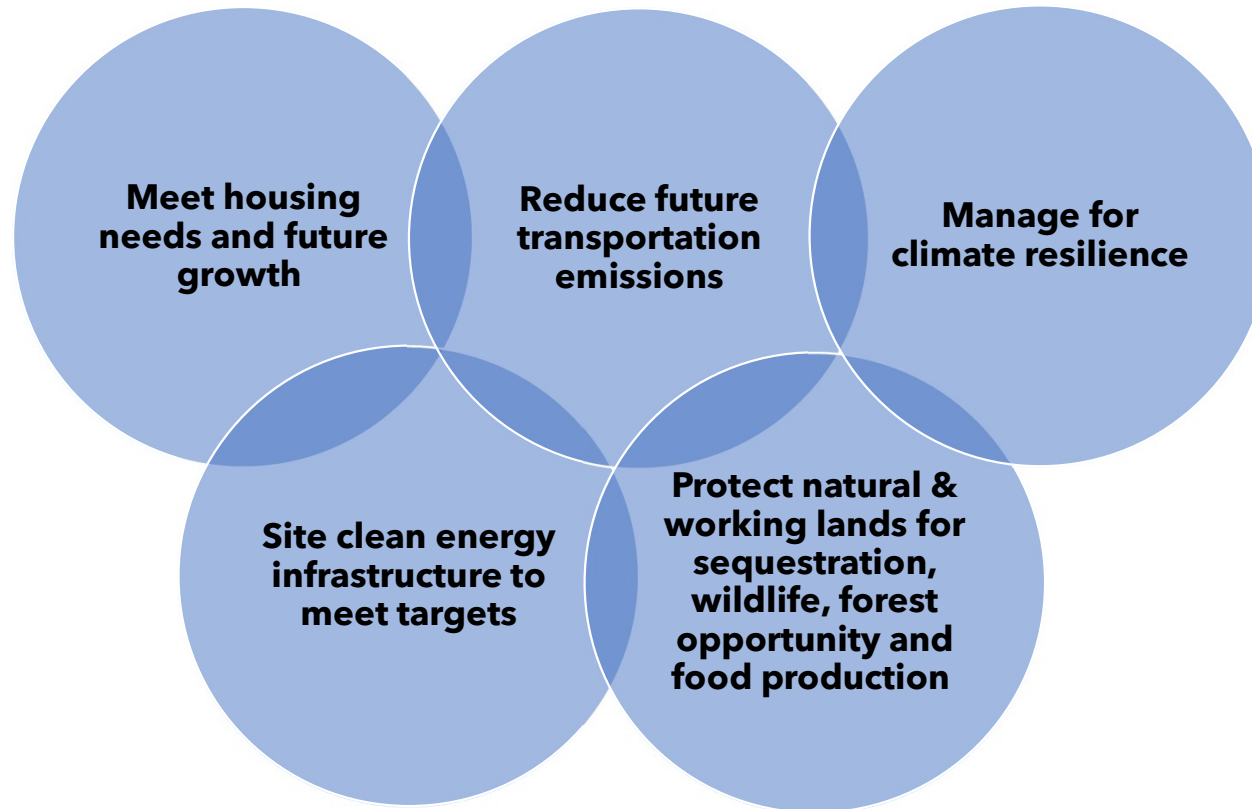
3 Manage the impact of buildings, vehicles, and industry on the grid with load flexibility and innovation.



4 Grow Maine's clean energy economy with a goal to support 30,000 clean energy jobs by 2030.



Land Use & Climate Goal Intersections



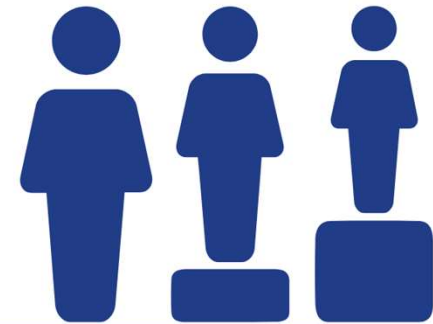
Land Use Recommendations



Promote smart growth to reduce emissions, prevent natural and working land conversion, and create affordable housing.



Provide technical assistance to communities and use proactive communication and engagement to support effective land use planning.



Use incentives and regulations for land use policies that reduce emissions, foster vibrant community centers, reduce sprawl, and provide measurable benefits.



Discussion



- **What else** could the Maine Climate Council consider that you **didn't see here**?

Enter your answers into the Zoom chat



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**Tell us
what you
think!**

**Maine Climate Council
SURVEY**



www.maine.gov/future/climate/council/workinggroups/2024strategies



Climate&Me Art Challenge

Are you a Mainer between the ages of 9 and 22? Or know someone who is?

We want to feature your talent in the update to Maine Won't Wait, the state's climate action plan.

Questions? Contact Abigail.Hayne@maine.gov



www.surveymonkey.com/r/climateartchallenge

Find out more information and enter the challenge here by October 1st.

