

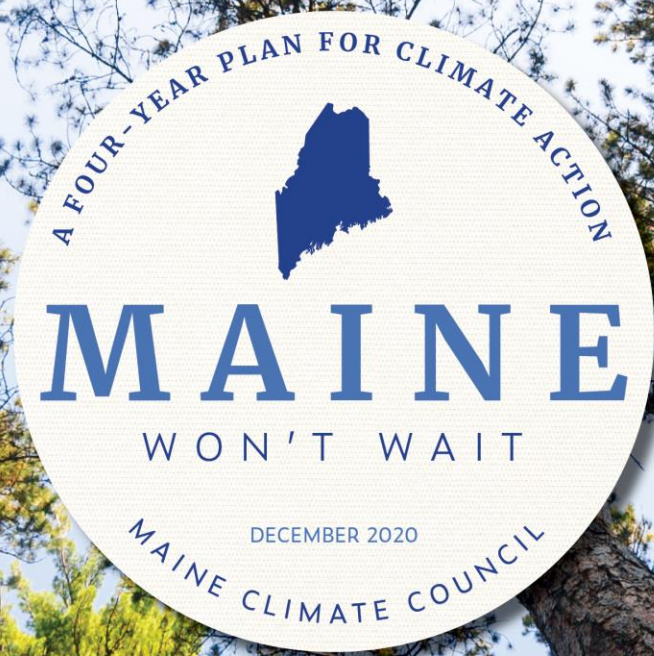


**Hannah Pingree**

Director, Governor's Office of Policy Innovation and  
the Future

Co-Chair, Maine Climate Council





A FOUR-YEAR PLAN FOR CLIMATE ACTION



MAINE

WON'T WAIT

DECEMBER 2020

MAINE CLIMATE COUNCIL



A large white offshore wind turbine stands in the middle of a dark blue ocean. The sky is a clear, bright blue. The turbine's three blades are spread out, and its yellow-painted base is visible above the water. The overall scene is clean and modern, representing renewable energy.

HOW IS MAINE TACKLING  
CLIMATE CHANGE?

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# Mills Administration— SIGNIFICANT CLIMATE + CLEAN ENERGY ACTIONS



**ESTABLISHED** the Maine Climate Council + greenhouse gas reduction targets in law

**25**

**22ND STATE TO JOIN** the U.S. Climate Alliance—a bi-partisan coalition of 25 U.S. States committed to meeting Paris Climate Goals



**SIGNED** state renewable portfolio standard law requiring 80% renewable energy by 2030 + goal of 100% by 2050



**ENDED** the state's wind energy moratorium, left an offshore drilling coalition, + actively engaged in regional efforts around carbon reductions, transportation, + offshore wind



**PASSED** law to implement 100,000 new heat pumps - including support for low + moderate income Mainers



**PASSED** legislation to help launch the first floating off-shore wind turbines in the U.S.



**ESTABLISHED** new electric vehicle programs, supported by VW settlements: rebates, charging infrastructure, + public transportation



**INTRODUCED** legislation to limit the use of hydrofluorocarbons ("climate super-pollutants") to fight climate change



# CLIMATE COUNCIL GOALS



**12.01.20**

Climate Action Plan  
Delivered



ACHIEVE STATE  
CARBON NEUTRALITY BY

**2045**

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

**45%**

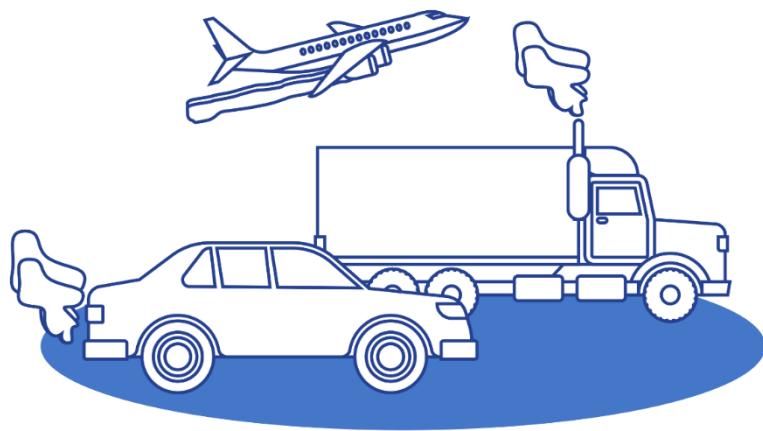
BELOW 1990 LEVELS  
BY 2030

**80%**

BELOW 1990 LEVELS  
BY 2050



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



54%



19%



11%



9%



7%

TRANSPORTATION • RESIDENTIAL • COMMERCIAL • INDUSTRIAL • ELECTRIC POWER

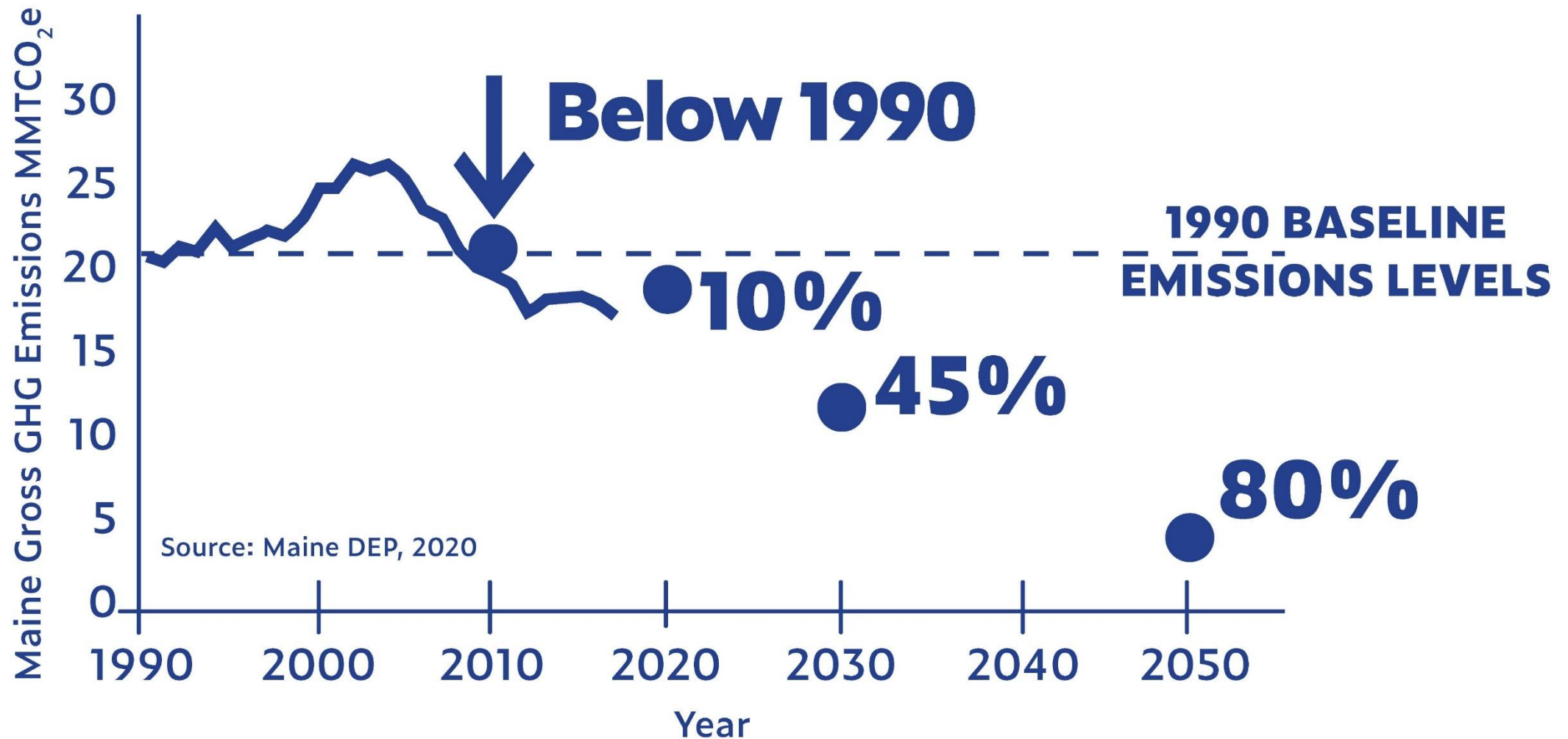
Data source: Maine Department of Environmental Protection 8<sup>th</sup> Biennial Greenhouse Gas Emissions Report

**In Maine, most greenhouse emissions come from transportation, followed by residential, commercial and industrial sources. Finding ways to reduce them is a key goal of the Climate Council.**

**[climatecouncil.maine.gov](https://climatecouncil.maine.gov)**



# Maine Greenhouse Gas (GHG) Emissions + Reduction Goals





**WHAT IS THE MAINE CLIMATE COUNCIL?**



The **39-member Maine Climate Council**, an assembly of scientists, industry leaders, bipartisan local and state officials, is responsible for developing a Climate Action Plan for Maine.

**Six working groups** comprised of 230+ volunteer members recommend strategies to the Council for achieving Maine's climate goals.

An expert **Scientific and Technical Subcommittee** is responsible for identifying the impacts of climate change in Maine.

An **Equity Subcommittee** will support planning and implementation of climate strategies to ensure benefits across diverse populations of Maine people.



# Maine Climate Council Reports

## Scientific Assessment of Climate Change and Its Effects in Maine



MAINE CLIMATE COUNCIL  
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE



The STS recommends that the Maine Climate Council consider *committing to manage* for 1.5 feet of relative sea level rise by 2050, and 3.9 feet of sea level rise by the year 2100.

Additionally, the STS recommends that the Climate Council consider *preparing to manage* for 3.0 feet of relative sea level rise by 2050, and 8.8 feet of sea level rise by the year 2100.



# Maine Climate Council Reports

## Cost-Benefit Analysis

Volume 1: Vulnerability Mapping

Volume 2: Cost of Doing Nothing

Volume 3: Greenhouse Gas Modeling

Volume 4: Economic Analysis

## Equity Assessment

## Strengthening Maine's Clean Energy Economy



### Assessing the Impacts Climate Change May Have on the State's Economy, Revenues, and Investment Decisions: Summary Report

State of Maine  
Department of the Governor's Office of Policy Innovation and the Future (GOPIF)  
111 Sewall Street  
Augusta, Maine 04330

Eastern Research Group, Inc.  
110 Hartwell Avenue  
Lexington, MA 02421



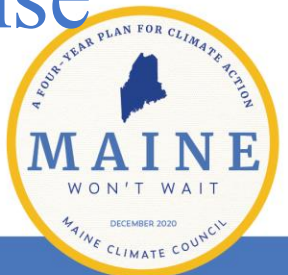
Synapse Energy Economics  
485 Massachusetts Ave, Suite 3  
Cambridge, MA 02139



September 1, 2020

# Maine Climate Action Plan Goals

- Reduce Maine's Greenhouse Gas Emissions
- Make Maine more resilient to the impacts of climate
- Foster Economic Opportunity and Prosperity
- Advance Equity through Maine's Climate Response





# Maine's 8 Climate Action Strategies



**A.** Embrace the Future of Transportation in Maine



**D.** Grow Maine's Clean Energy Economy and Good Jobs



**G.** Invest in Climate-Ready Infrastructure



**B.** Modernize Maine's Buildings



**E.** Protect Maine's Environment and Working Lands and Waters, Increase Carbon Sequestration



**H.** Engage People and Communities in Climate Impacts and Program Opportunities



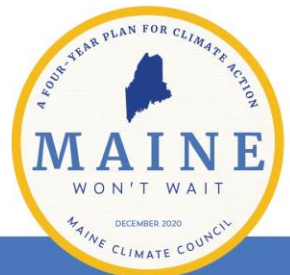
**C.** Reduce Carbon Emissions the Energy and Industrial Sectors through Clean Energy Innovation



**F.** Build Healthy and Resilient Communities

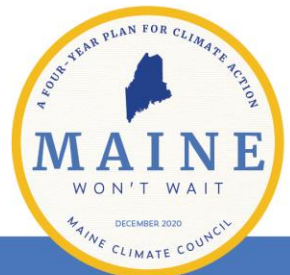


# Strategy A: Embrace the Future of Transportation in Maine

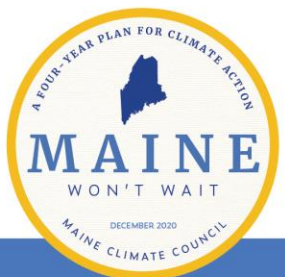
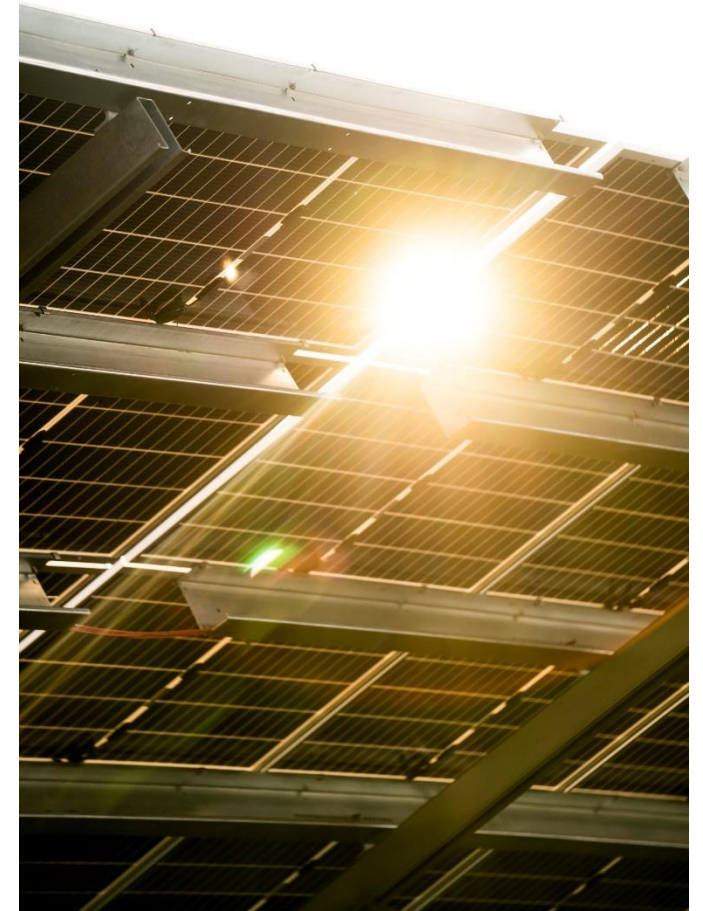




## Strategy B: Modernize Maine's Buildings



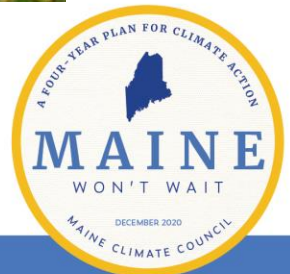
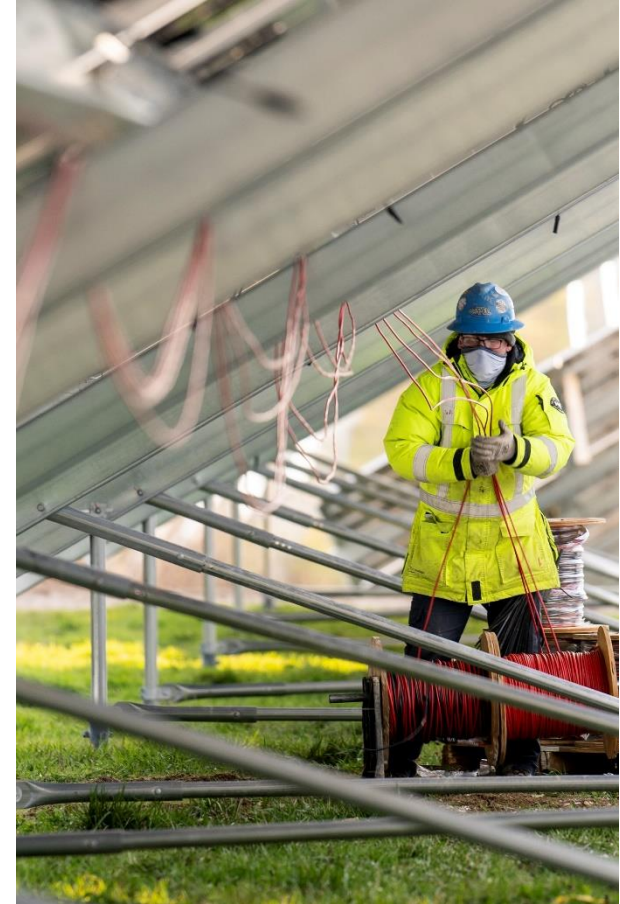
# Strategy C: Reduce Carbon Emissions in Maine's Energy and Industrial Sectors through Clean-Energy Innovation





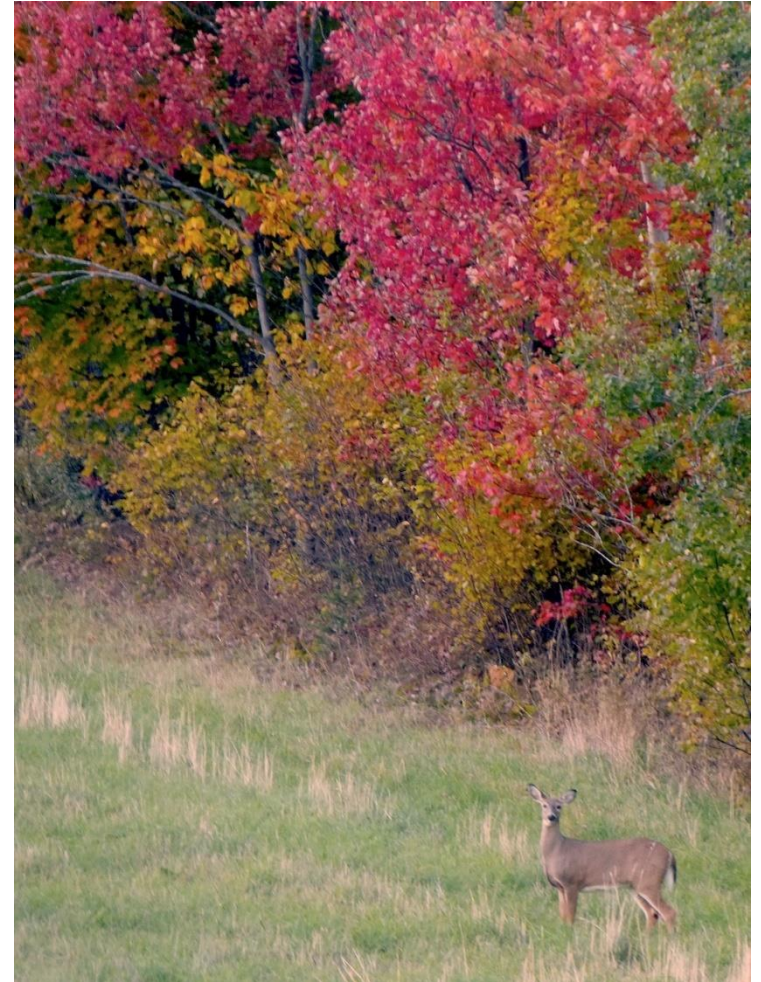
# Strategy D:

## Grow Maine's Clean Energy Economy and Protect Our Natural-Resource Industries



## Strategy E:

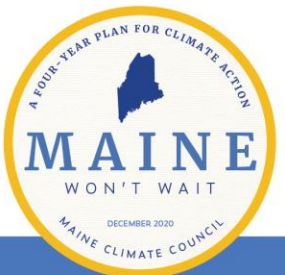
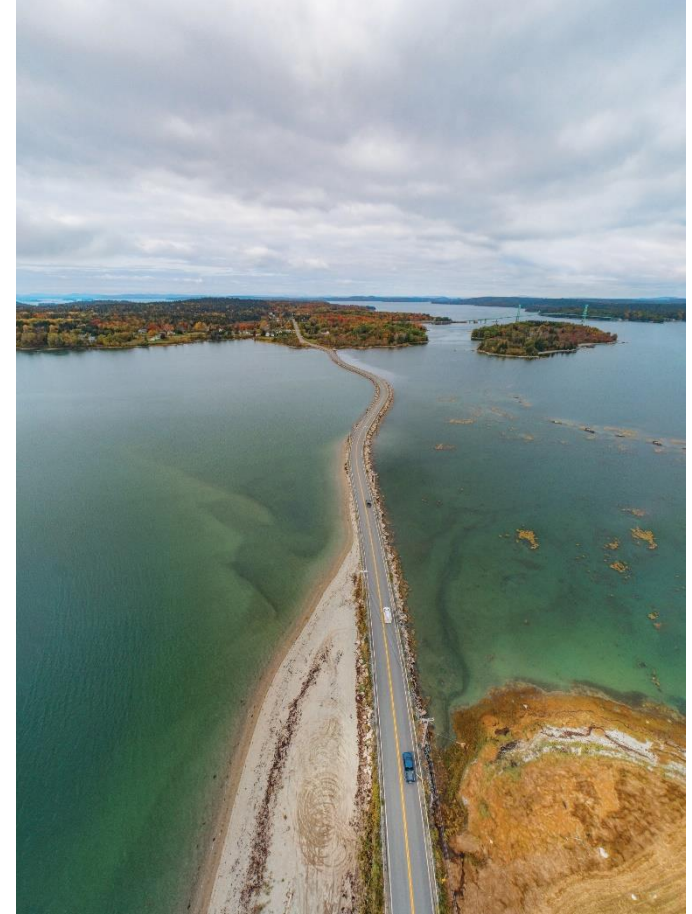
**Protect Maine's Environment  
and Working Lands and Waters,  
Promote Natural Climate  
Solutions and Increase Carbon  
Sequestration**





# Strategy F:

## Build Healthy and Resilient Communities



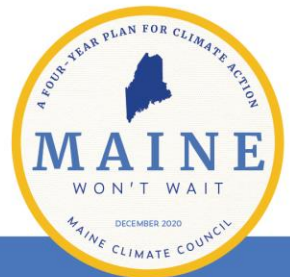
# Strategy G: Invest in Climate-Ready Infrastructure





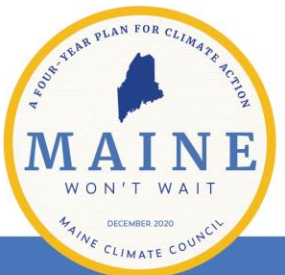
# Strategy H:

## Engage with Maine People and Communities about Climate Impacts and Program Opportunities

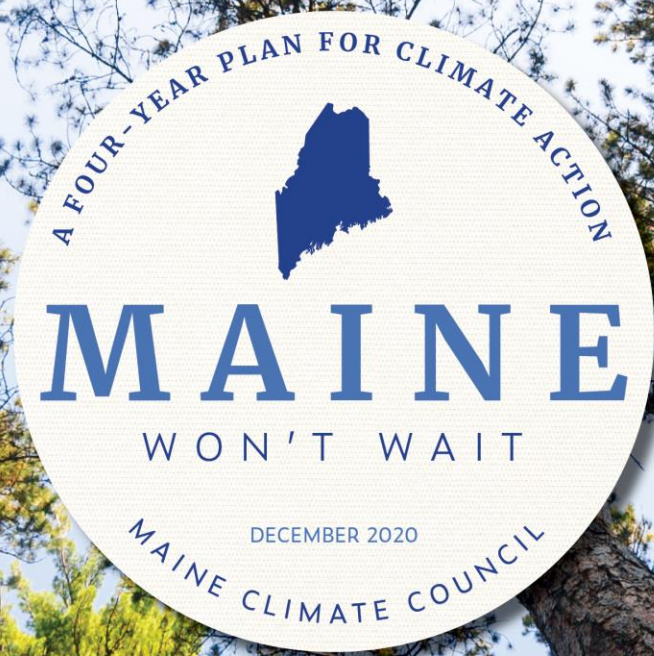


# Learn More & Read the Full Plan

@ [climatecouncil.maine.gov](https://climatecouncil.maine.gov)







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