

Strategy A: Embrace the Future of Transportation to Maine

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Accelerate Maine’s transition to Electric Vehicles (EVs)	Equitable incentives	41,000 EVs on the road by 2025 and 219,000 by 2030.	Efficiency Maine Trust	Build on existing EV Accelerator program
	Statewide EV Roadmap	By 2022, develop a Statewide EV Roadmap to identify necessary policies, programs and regulatory changes needed to meet the state’s EV and transportation emission goals.	Governor’s Energy Office; Efficiency Maine Trust; Department of Transportation	New
	EV chargers	EV chargers installed in priority areas with guidance from EV Roadmap.	Efficiency Maine Trust	Expand existing EV charging infrastructure programs
	Pilot projects for medium and heavy-duty vehicles, school buses, ferries	By 2023, Maine will develop policies, incentives and pilot programs to encourage the adoption of electric, hybrid and alternative fuel medium- and heavy-duty vehicles, public transportation, school buses, and ferries.	Maine Department of Transportation; Department of Education	New
2. Increase fuel efficiency and alternative fuels	High fuel efficiency vehicle incentives	Establish an incentive program to encourage drives to upgrade to higher-efficiency vehicles,	Efficiency Maine Trust; Department of Transportation	Build on existing EV Accelerator program

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		targeted to low- and moderate-income drivers.		
	US EPA SmartWay Program	By 2024, Maine will significantly increase freight industry participation in SmartWay program	Maine Department of Environmental Protection; Maine Department of Transportation	Build on existing US EPA SmartWay program
	Alternative fuels	By 2024, local biofuel and biodiesel production and use will increase	Maine Department of Environmental Protection; Department of Transportation; Department of Agriculture, Conservation and Forestry/Maine Forest Service	Build on Department of Environmental Protection's existing program and Department of Transportation's biofuel pilot
	Federal Fuel Efficiency Standards	Maine will continue to support increased federal fuel efficiency standards	Governor's Office of Policy Innovation and the Future	Build on existing CAFE standards
3. Reduce Vehicle Miles Traveled (VMT)	Broadband	Deploy high speed broadband to 95% of Maine homes by 2025 and 99% by 2030	ConnectME Authority	Build on existing ConnectME program
	Encourage development in downtowns and village areas	Establish state coordination, encourage effective land use policies and state investment to encourage development in these areas	Maine Housing; Department of Agriculture, Conservation, and Forestry; Department of Transportation; Department of Education	Implement Complete Streets policy under the Department of Transportation
	Increase public transportation funding to \$5 per capita	By 2024, Maine has increased public transportation funding to	Maine Department of Transportation	Build on existing Department of Transportation 2019 Transit Plan

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
		the national median of \$5 per capita		
	Expand GO Maine	By 2022, relaunch GO Maine to significantly increase shared commuting options	Maine Department of Transportation; Maine Turnpike Authority	Build on existing GO Maine program

Strategy B: Modernize Maine’s Buildings: Energy Efficient, Smart and Cost-Effective Homes and Businesses

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Transition to cleaner heating and cooling systems and efficient appliances	Expand financial incentives and phase in tighter regulations for space heating and water heating	Install at least 145,000 heat pumps in Maine by 2025; by 2030, 130,000 homes will be using between 1-2 heat pumps and an additional 115,000 homes will be using a whole home heat pump system. At least 15,000 more heat pumps should be installed in income-eligible households by 2025	Efficiency Maine Trust; Maine Housing	Build on existing Efficiency Maine incentive programs
	Adopt appliance standards	Implement Maine Appliance Standards by 2022	Governor’s Energy Office; Efficiency Maine Trust	New
2. Accelerate Efficiency Improvements to Existing Buildings	Double the number of Maine buildings weatherized per year	By 2025, weatherize 17,500 additional homes and businesses, including at least 1,000 low- income units per year. Weatherize at least 35,000 homes and businesses by 2030.	Efficiency Maine Trust; Maine Housing	Build on existing Efficiency Maine and MaineHousing weatherization programs

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
3. Advance the design and construction of new buildings	Phase-in modern, energy efficient building codes to reach net zero carbon emissions for new construction by 2035	By 20204, develop a long-term plan to phase-in modern, energy efficient building codes to reach net zero carbon emissions for new construction by 2035.	Maine Fire Marshall; Efficiency Maine Trust; Governor’s Energy Office	New
	Increase building code compliance	Enhance existing training on building codes and expand these programs to support ongoing education of contractors and code enforcement officials.	Maine Bureau of Building Codes and Standards; Efficiency Maine Trust	Build on Maine Bureau of Building Codes and Standards training and certification for Code Enforcement Officers; expand Efficiency Maine Trust training for contractors
4. Promote climate-friendly building products	increase the use of efficient and climate-friendly Maine forest products, including mass timber and wood fiber insulation.	Develop and enhance innovation support, incentives, building codes, and marketing programs to increase the use of efficient and climate-friendly Maine forest products, including mass timber and wood fiber insulation.	Department of Economic and Community Development; Dept of Agriculture, Conservation and Forestry	Build on existing
5. “Lead by Example” in publicly funded buildings	Use procurement rules and coordinated planning efforts for state government to promote high efficiency lighting, heating and cooling; climate-friendly construction materials;	The state will produce a “Lead by Example” plan for action by February 2021.	Governor’s Office of Policy Innovation and the Future; Governor’s Energy Office	New

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	and renewable energy use for reduced operating costs and emissions.			
	Support efficiency and energy programs in municipal, tribal, school, and public housing construction and improvements.	Enhanced grant and loan programs to support efficiency and energy programs in municipal, tribal, school, and public housing construction and improvements.	Efficiency Maine Trust; Department of Education; MaineHousing	Enhance existing and create new
6. Renewable Fuels Standard (RFS)	Identify economic implications, implementation pathways, experience of other states, overlap and interaction with other fuel/heating equipment policies	Investigate options for establishing a Renewable Fuels Standard (RFS) for heating fuels.	Governor’s Energy Office; Department of Economic and Community Development; Dept of Agriculture, Conservation and Forestry	New
7. Phase-down the use of hydrofluorocarbons (HFCs)	Adopt phase-down of HFCs	HFC phase-down regulations adopted in 2021 to be implemented by 2022	Department of Environmental Protection	New

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

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Ensure adequate affordable clean energy supply	Structure policy to ensure the highest benefits to Maine, to compliment regional markets, and to ensure additional generation is developed in	By 2030 Maine will have an electricity sector where 80% comes from renewable sources. Create new, or expand existing, clean energy	Governor’s Energy Office; Public Utilities Commission	Utilization and expansion of existing programs, as well as development of new initiatives.

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	<p>parallel to grid infrastructure.</p> <p>Consider additional procurements not already required in statute for clean energy resources.</p> <p>Prioritize new energy resources to ensure economic benefits to the state, including technologies such as offshore wind, distributed generation and energy storage.</p> <p>Carefully consider costs, as well as siting, of future energy assets and engage the public and stakeholders early in the process</p>	<p>procurements based on the results from the Governor’s Energy Office report in 2021 and 2022.</p> <p>Set achievable targets for cost effective deployment of technologies such as offshore wind, distributed generation, energy storage and outline the policies, including opportunities for pilot initiatives, necessary to achieve these results.</p> <p>Undertake analysis and set targets to achieve 100% clean energy earlier than the 2050 goal in statute.</p>		

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
2. Initiate a stakeholder process to transform Maine’s electric power sector	Establish a stakeholder process to examine and provide recommendations regarding the transformation and planning of our electric sector to accomplish the recommendations of the Maine Climate Council, achieve Maine’s GHG reduction requirements and clean energy goals, and help ensure that state’s competitiveness well into the future.	By 2022, Maine will establish a comprehensive stakeholder process to examine the transformation of Maine’s electric sector and facilitate other recommendations of the Maine Climate Council.	Governor’s Energy Office; Maine Public Utilities Commission; Office of the Public Advocate; Efficiency Maine Trust, stakeholders	New
3. Accelerate the decarbonization of industrial use and processes	create an Industrial Task Force of Climate Council members with interest and expertise, and outside stakeholders, to focus on solutions to address industrial emissions over time, while supporting continued economic growth in this important sector.	Launch an Industrial Task Force to collaboratively partner with industry and stakeholders to consider innovations and incentives to manage industrial emissions through 2030 and reduce total emissions by 2050.	Efficiency Maine Trust; Governor’s Energy Office, Maine Department of Environmental Protection	New
4. Encourage highly efficient Combined Heat and Power facilities	Consider policies to advance new highly efficient combined heat and power (CHP) production facilities if they achieve significant	Analyze policies, including the potential for long-term contracts, needed to advance new highly-efficient combined heat and power (CHP) production facilities that	Maine Public Utilities Commission	New analysis Existing authority at the PUC

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	net greenhouse gas reductions.	achieve significant net greenhouse gas reductions.		

Strategy D: Protect Maine’s Natural Resource Industries and Grow Our Clean Energy Economy

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Support Maine’s natural resource economies ability to adapt to climate change impacts and take advantage of new market opportunities.	Develop and enhance marketing programs for Maine forest products	<p>Grow Maine’s forest products industry from \$8B to \$12B, through bioproduct innovation, meeting goals for industry growth and sustainable forest management.</p> <p>Establish the University of Maine as the coordinating hub for applied research on forestry, agriculture, and natural land-related climate concerns, including research and development of climate-friendly bio-based wood market innovation; ensuring collaboration with other climate related monitoring and research efforts through the state, university and private institutions</p>	Department of Agriculture, Conservation and Forestry, Dept. Economic and Community Development	Enhance existing and develop new

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	Provide financial support to strengthen Maine’s food systems, so that more food can be produced and processed locally, distributed efficiently, and priced affordably.	Increase the amount of food consumed in Maine from state farmers and harvesters from 10% to 20% by 2025; and 30% by 2030 through local food system development.	Department of Agriculture, Conservation and Forestry, Dept. Economic and Community Development	Existing
	Provide Maine’s fishing and aquaculture businesses, shoreside businesses, and working waterfronts with access to information and tools that can support operational decisions, capital investments and long-range planning to implement climate adaptation and mitigation strategies. <i>See the Coastal and Marine Working Group report for more suggestions for market and information support and business resilience</i>	Launch the Maine Business Seafood Council by 2022.	Department of Marine Resources in collaboration with Department of Economic and Community Development and local/regional with economic development providers	New initiative
	Evaluate and implement ways to expand local and direct marketing opportunities for sustainably produced Maine seafood		Department of Marine Resources in collaboration with Department of Economic and Community Development and	New initiative

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
			economic development providers	
	Evaluate and implement ways in which Maine’s fishery and aquaculture laws and regulations can provide the opportunity to address environmental change and emerging fisheries		Department of Marine Resources with Department of Environmental Protection and Department of Agriculture, Conservation and Forestry	Existing
2. Grow clean energy jobs and businesses in Maine	Continue to create and implement clean energy policies that are clear and consistent and provide certainty for ongoing development; and encourage and support cleantech innovation.	By 2022, establish programs and partnerships for cleantech innovation support within the state to encourage the creation of clean energy and climate solutions	Governor’s Energy Office, Governor’s Office of Policy Innovation and the Future	Coordinate with and build on existing entrepreneurial support systems in Maine, and work with other state agencies, such as Maine Department of Economic and Community Development
	Support and expand Maine’s clean energy workforce to meet the needs of a growing clean energy economy and provide high-quality job opportunities in the state Promote and support STEAM education, and pathways through CTE, MCCS, and Maine’s	By 2022, launch a workforce initiative that establishes ongoing stakeholder coordination between industry, educational and training organizations to support future workforce needs.	Governor’s Energy Office	New Initiative Will build on existing resources, including those within the Maine Department of Labor, as well as any current stakeholder engagement efforts underway

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	<p>Universities to clean energy job opportunities</p> <p>Encourage training opportunities in coordination with industry needs</p> <p>Support existing workforce related programs and incentives, identify gaps, and develop new programs as needed</p>			

Strategy E: Protect Maine’s natural and working lands and waters and Promote Natural Climate Solutions

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Protect Maine’s natural and working lands and waters	Increase permanent protection of forest land and farmland; and protect, conserve and restore areas of high biodiversity value and areas that support land, aquatic, and coastal habitat connectivity and ecosystem health and climate change resilience, such as inland marsh migration	<p>By 2030, increase the total acreage of conserved lands in the state to 30% through voluntary, focused purchases of land and working forest or farm conservation easements.</p> <p>Additional targets should be identified in 2021, in partnership with stakeholders, to develop specific sub-goals for these conserved lands for Maine’s forest cover,</p>	Department of Agriculture, Conservation and Forestry, Department of Marine Resources, Dept of Inland Fisheries and Wildlife	Existing. Includes Land For Maine’s Future; Department of Marine Resources, Coastwise programs; DEP Culvert programs; DIFW Beginning With Habitat program

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
		agriculture lands, and coastal areas Focus conservation on high biodiversity areas to support land and water connectivity and ecosystem health.		
	Revise scoring criteria for state and federal land conservation funding sources to incorporate climate mitigation and resiliency goals into grant criteria and project selection.	Revise scoring criteria for state conservation funding to incorporate climate mitigation and resiliency goals	Department of Agriculture, Conservation and Forestry, Department of Marine Resources, Department of Inland Fisheries and Wildlife, DEP	Existing programs
2. Develop new incentives to increase carbon storage	Address land taxation to incentivize climate-friendly land management practices and forest management and conserve parcels with high biodiversity value	Update the Open Space Current Use Taxation Program and maintain the Tree Growth Tax Law	Department of Agriculture, Conservation and Forestry, Maine Revenue Services; Department of Inland Fisheries and Wildlife	Existing programs

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	<p>Incentivize the adoption of climate-friendly practices that focus on soil health, provide funding for infrastructure and technology upgrades on farms, including renewable energy generation and other strategies to reduce fossil-fuel usage</p> <p>Incentivize high quality on-the-ground performance by loggers and facilitate the use of low-impact timber harvesting equipment</p>	<p>By 2022, Maine will establish a stakeholder process to develop a voluntary, incentive-based forest carbon program (practice and/or inventory based) for woodland owners of 10 to 10,000 acres and forest practitioners.</p> <p>Engage in regional discussions to consider multi-state carbon programs that could support Maine’s working lands and natural resource industries, and state carbon neutrality goals.</p>	<p>Department of Environmental Protection in collaboration with Department of Agriculture, Conservation and Forestry, Department of Marine Resources, Governor’s Office of Policy Innovation and the Future, Governor’s Energy Office, and external partners</p>	<p>Existing and new</p>
	<p>Update and refocus existing state programs, policies, and financial incentives to address climate change mitigation and resilience</p>	<p>Continue and update climate-friendly public land management practices to incorporate current climate science and support landscape and species resilience</p>	<p>Department of Agriculture, Conservation and Forestry, Department of Environmental Protection</p>	<p>Existing</p>
	<p>Develop policies to ensure careful renewable energy project siting on working lands</p>	<p>By 2022, Maine will develop policies to ensure renewable energy project siting is streamlined, transparent and thoughtfully balances</p>	<p>Department of Agriculture, Conservation and Forestry in partnership with Governor’s Energy Office</p>	<p>New</p>

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
		potential impacts on working land, engaging key stakeholders.		
	Determine the role that strategic management of seaweed aquaculture plays in long term carbon burial and in reducing coastal acidification impacts.	Produce best practices for managing seaweed aquaculture to enhance long-term carbon burial and reducing coastal acidification	Department of Marine Resources, Department of Environmental Protection in collaboration with partners	Existing
3. Expand outreach to offer information, technical assistance	Support the use of the latest monitoring and assessment information related to climate change and resiliency for climate-adaptive land use planning in marine, coastal, and inland areas for the State, municipalities, and businesses.	By 2024, increase technical service provider capacity at the Department of Agriculture, Conservation and Forestry and Maine Forest Service, Department of Inland Fisheries and Wildlife, and Department of Marine Resources	Department of Agriculture, Conservation and Forestry and Maine Forest Service, Department of Inland Fisheries and Wildlife, and Department of Marine Resources	Existing
	Increase technical service provider capacity to DIFW’s Beginning with Habitat Program and DACF’s Natural Areas Program to support towns, land trusts, land managers and land owners in their efforts to protect native species and land and water vulnerable to climate change and to address emerging land management threats, such as	By 2024, increase technical service provider capacity at the Maine Forest Service, Department of Agriculture, Conservation and Forestry, and Department of Inland Fisheries and Wildlife.	Department of Agriculture, Conservation and Forestry, Department of Inland Fisheries and Wildlife	Existing: Natural Areas Program, Beginning with Habitat

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	pests, diseases and invasive species.			
	Add significant field forester capacity to DACF’s Maine Forest Service to support landowners and land practitioner adoption of carbon friendly and resilient forest management practices through outreach, education and technical assistance	By 2024, increase technical service provider capacity at the Maine Forest Service, Department of Agriculture, Conservation and Forestry, and Department of Inland Fisheries and Wildlife.	Department of Agriculture, Conservation and Forestry, Department of Inland Fisheries and Wildlife	Existing: Maine Forest Service, Beginning with Habitat
	Make natural climate solutions (such as soil health practices) a priority in federal and state agricultural programs and increase technical service provider capacity to Soil and Water Conservation Districts, University of Maine Cooperative Extension, NRCS, and non-governmental organizations to assist producers in using known and emerging agricultural practices with mitigation and adaptation benefits.	By 2024, increase technical service provider capacity at the Maine Forest Service, Department of Agriculture, Conservation and Forestry, and Department of Inland Fisheries and Wildlife.	Department of Agriculture, Conservation and Forestry, Department of Inland Fisheries and Wildlife	Existing: Soil and Water Conservation Districts, Beginning with Habitat
	Create a Coastal and Marine Information Exchange to provide accessible, relevant, information and decision support to facilitate climate mitigation and adaptation in	By 2024, launch the Coastal and Marine Information Exchange	Coordination by Governor’s Office of Policy Innovation and the Future in collaboration with multiple state agencies, including DACF,	New

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	Maine’s coastal communities and industries.		DMR, DEP, DIFW, and with outside stakeholders	
4. Improve monitoring to understand and manage the response to climate change	<p>Develop a model for gathering climate change data and model forecasts and a system for disseminating them widely so public and private sector decision makers can mitigate and respond constructively to climate change impacts.</p> <p><i>See the Coastal and Marine Working Group, Natural and Working Lands Working Group, and Scientific and Technical Subcommittee’s reports for details on priority information gaps and needs</i></p>	<p>Establish a “coordinating hub” with state and non-state partners for key climate change research and monitoring work to facilitate state-wide collaboration by 2024.</p>	<p>Coordination by Governor’s Office of Policy Innovation and the Future in collaboration with multiple state agencies, including DACF, DMR, DEP, DIFW, and with outside stakeholders</p>	New
	<p>Develop and implement a coordinated funding strategy that leverages federal, state, foundation, and private sources towards an integrated land, coastal, and marine monitoring system.</p> <p><i>See the Coastal and Marine Working Group, Natural and Working Lands Working Group, and Scientific and Technical Subcommittee’s reports for details on priority information gaps and needs</i></p>	<p>As part of the coordinating hub, establish a stakeholder process in collaboration with state- and non-state partners to identify priority monitoring funding needs by 2021</p>	<p>Coordination by Governor’s Office of Policy Innovation and the Future across multiple state agencies such as Department of Marine Resources, DEP and with outside stakeholders</p>	New

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	Establish a coordinated, comprehensive monitoring system to characterize, map, and track how climate change and extreme weather events impact our land, coastal and marine environments; species and habitats; and economic and social conditions in Maine’s communities, to better inform priority areas for conservation and mitigation and adaptation by the State and municipalities.	By 2025, create a framework and begin pilot stage of a coordinated, comprehensive climate change monitoring system.	Coordination by Governor’s Office of Policy Innovation and the Future across multiple state agencies and with outside stakeholders DECD, Department of Marine Resources	New

Strategy F: Build Healthy and Resilient Communities

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Assistance and funding for community resilience	Cabinet-level leadership (state resilience officer) and interagency coordination of assistance across state agencies (with designation of policy-level climate specialist in each natural resource agency) and with NGOs, university experts and other partners.	Maine will provide robust technical assistance and funding to communities to build resilience to climate change.	Governor’s Office of Policy Innovation and the Future in coordination with Dept. of Agriculture, Conservation, and Forestry; Dept. of Marine Resources, Dept. of Environmental Protection, Dept. of Inland Fisheries and Wildlife, and Dept. of Transportation	New
	Expand state assistance and funding for municipal and regional resilience		Governor’s Office of Policy Innovation and the Future in coordination with Dept. of Agriculture,	

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	<p>planning and implementation:</p> <p>Expand state’s staff capacity; increase regional support capacity; provide info, facilitation, and tools for towns to understand, plan, and implement resilience activities; provide training for towns, code enforcement officers, and service providers; Establish a clearinghouse for climate data, tools, funding options, case studies, etc.; increase funding for incentivizing: 1) regional resilience planning and cooperation, 2) inclusion of climate resilience in local and regional plans, regulations, capital investment, etc.</p>		<p>Conservation, and Forestry; Dept. of Marine Resources, Dept. of Inland Fisheries and Wildlife, Dept. of Environmental Protection, and Dept. of Transportation</p>	<p>Beginning with Habitat, (Maine Geological Survey)</p>
	<p>Expand municipal guidance products and assistance that help towns understand climate risk, evaluate options, and prioritize actions.</p>		<p>Governor’s Office of Policy Innovation and the Future in coordination with Maine Climate Council work groups; Dept. of Agriculture, Conservation, and Forestry; Dept. of Marine</p>	<p>Build on existing</p>

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	Support regional organizations, nonprofits, and the private sector in providing resilience services to multiple communities in a region.		Resources, and Dept. of Environmental Protection	
2. Adopt official sea level rise projections.	Adopt official sea level rise projections. Update sea level rise projections every four years	By 2022, Maine will adopt official sea level rise projections, incorporate those projections into regulations, and require regular updates to ensure the projections utilize the latest scientific data.	Maine DEP with MCC Science and Technical Subcommittee	New
3. Update land use planning and legal tools for resilience	Review and update land use laws, regulations, and tools (including comprehensive plans, stormwater and floodplain management, site law, shoreland zoning, among others) account for climate impacts and are made useful for climate resilience planning (including nature-based solutions, GHG mitigation, sequestration, habitat connectivity).	Maine will update land use laws and practices to improve resilience to flooding and other climate impacts	Coordination by Governor’s Office of Policy Innovation and the Future across state agencies (Dept. of Agriculture, Conservation, and Forestry, Maine Housing, Dept. of Marine Resources, Dept. of Environmental Protection)	Existing

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	Initiate stakeholder processes on 1) clean energy siting; 2) land use practices; 3) community flood risk reduction; and 4) anticipating growth.		Maine Climate Council and work groups supported by Governor’s Office of Policy Innovation and the Future	New
	Expand stormwater management, monitoring, and assistance.		Dept. of Environmental Protection	Existing
	Modernize the regulatory review process for comprehensive, accurate and timely review of land and water resources and permitting of projects, including cumulative impacts of development.		Dept. of Environmental Protection; Dept. of Agriculture Conservation and Forestry; Dept. of Marine Resources	Existing
4. Public health monitoring, education, and prevention	Monitor for harmful air quality across all 16 counties (allergens, particulate matter, ozone)	Maine will have developed robust public health monitoring, education, and prevention practices to achieve better health outcomes against climate change impacts.	Dept. of Environmental Protection; Maine Center for Disease Control	Existing
	Expand water quality monitoring for vibrios, HABs, and emerging threats in big lakes, public surface water supply, and coastal waters.		Dept. of Environmental Protection; Dept. of Marine Resources	Coastal – existing Freshwater – new
	Expand vector-borne disease monitoring at the regional level.		Maine Center for Disease Control	New
	Expand public health education to include regular, clear, consistent		Maine Center for Disease Control with Dept. of Environmental Protection	New

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	messaging about climate health impacts and resources.			
	Improve drinking water source protection via land use tools		Dept. of Environmental Protection with Maine Center for Disease Control, Dept. of Agriculture, Conservation and Forestry, with municipalities and Maine Rural Water Association	Existing
	Assess and prioritize infrastructure improvements to reduce CSO discharges to prevent combined sewer overflow (CSO) discharges		Dept. of Environmental Protection	
	Identify all public and private drinking water wells located near floodplains and assess risk of contamination due to flooding.		Maine Center for Disease Control, Dept. of Environmental Protection	

Strategy G: Invest in Climate-Ready Infrastructure

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Infrastructure vulnerability assessment & climate-ready design guidance	Complete a statewide climate vulnerability assessment for major infrastructure classes.	By 2023, complete a statewide infrastructure vulnerability assessment, as well as develop and implement design	Dept. of Transportation; Dept. of Environmental Protection; Land Use Planning Commission; Maine Emergency Management Agency, and	Builds on existing efforts.

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	<p>Develop and adopt siting, materials, and design standards for climate-ready infrastructure that takes climate change impacts and project lifespan. Update regularly. Prioritize nature-based solutions.</p> <p>Agencies, supporting organizations, and the private sector should continue research into construction materials and green infrastructure options</p>	standards for resilience in infrastructure projects.	<p>other agencies and non-governmental partners</p> <p>Dept. of Transportation; Dept. of Environmental Protection; Dept. of Agriculture, Conservation and Forestry; Dept. of Marine Resources</p>	Builds on existing efforts.
2. State Infrastructure Adaptation Fund & predevelopment assistance	<p>Launch an Infrastructure Adaptation Fund. Emphasize areas where climate risk overlaps with social and economic vulnerability (e.g. working waterfronts)</p>	<p>In 2021, launch a State Infrastructure Adaptation Fund and pre-development assistance program, designed to leverage federal recovery support in the short-term, and in the long-term to address the significant and ongoing infrastructure adaptation needs of the future.</p>	<p>Governor’s Office of Policy Innovation and the Future in coordination with: Dept. of Administration and Financial Services; Maine Emergency Management Agency; partnership across state and local governments</p>	New
	<p>Launch a predevelopment assistance program to make state and local</p>		<p>Governor’s Office of Policy Innovation and the Future in coordination with: Dept. of</p>	New

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	infrastructure projects shovel-ready.		Administration and Financial Services; Maine Emergency Management Agency; Dept. of Transportation; and partnerships across state and local governments	

Strategy H: Communication

Action Area	Action	Outcomes	Lead Agency	New or Existing Program
1. Raise awareness about climate change impacts and opportunities	Regular communication with the public and stakeholders about the impacts of climate change and progress on climate strategies	Launch a multifaceted, ongoing communications effort in 2021 to raise public awareness and understanding about climate change in Maine, the state’s climate response actions, and climate-related programs and opportunities, following the launch of the Maine Climate Action Plan.	Governor’s Office of Policy Innovation and the Future	New
2. Increase public education related to climate, energy	Expand PK-12 educational programs about climate change Examine how to expand secondary career and technical education (CTE) programs, and higher education programs to	Develop enhanced educational opportunities for climate science and clean energy careers in Maine public schools to meet increasing interest from students and educators; launch a process in 2021 to engage	Department of Education Governor’s Energy Office; Department of Labor	Expand existing

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Action Area	Action	Outcomes	Lead Agency	New or Existing Program
	connect to existing and emerging workforce pathways in climate and energy-related careers	key stakeholders including students, older youth, educators, and state leaders in next steps.		
3. Start the “Maine Climate Corps” for climate-related workforce development	Establish a Maine Climate Corps or Clean Energy Corps to support climate related actions and engagement from recent college graduates, and utilize these Corps members to engage broad community support and engagement, including older adults, students, and diverse community groups.	Partner with service-learning organization and non-profit organizations to launch a Maine Climate Corps program by 2023.	Volunteer Maine, the state service commission	New
4. Recognize climate leadership by Maine businesses and organizations	Establish a leadership group of leading Maine businesses, non-profits, and institutions to highlight organizations taking climate action to reduce greenhouse gas emissions and address climate change while strengthening Maine’s economy.	Launch the Governor’s Climate Leadership Council in 2021 to increase private sector ambition toward voluntary climate actions.	Governor’s Office of Policy Innovation and the Future	New