

# **Maine Won't Wait -A Four-Year Plan for Climate Action**

## **State of the Science - Municipal Funding Support**

**Judith C. East**

**Director - Bureau of Resource Information and Land Use Planning (BRILUP),  
Maine Department of Agriculture, Conservation and Forestry (DACF)**

**Co-Chair - Community Resilience Planning, Emergency Management & Public Health Working Group**

**Dr. Stephen Dickson**

**State Geologist - Maine Geological Survey (MGS/BRILUP/DACF)**

**Co-Chair - Science and Technical Subcommittee of Maine Climate Council**

**David Ludwig**

**Senior Climate Planner BRILUP/DACF**

---

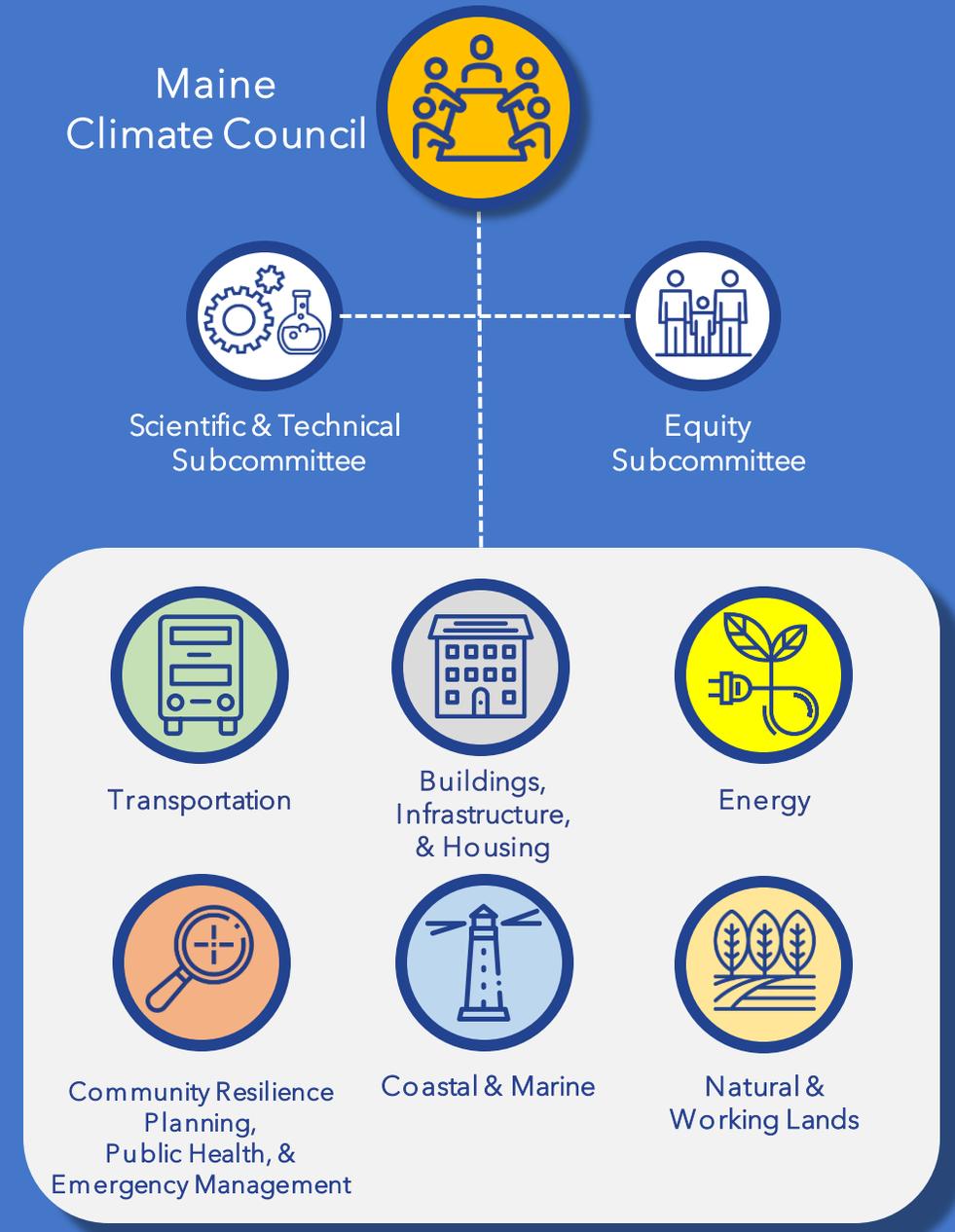
**Hancock County**  
**May 23, 2023**

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.



# 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

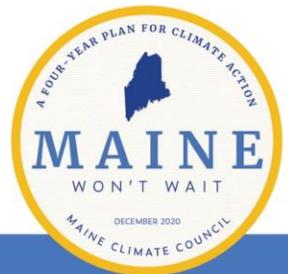
**80%**  
BELOW 1990 LEVELS  
BY 2050

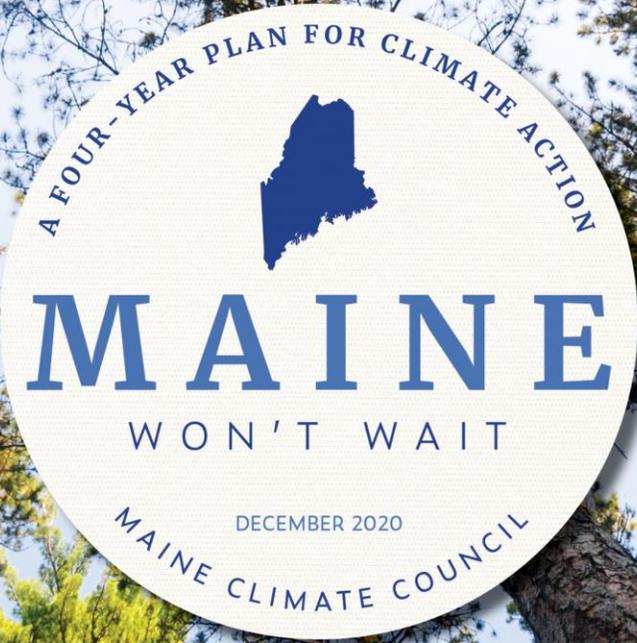


ENSURE MAINE PEOPLE, INDUSTRIES, AND COMMUNITIES  
ARE RESILIENT TO THE IMPACTS OF CLIMATE CHANGE.

# Maine 4 Climate Action Plan Goals

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





A FOUR-YEAR PLAN FOR CLIMATE ACTION



**MAINE**

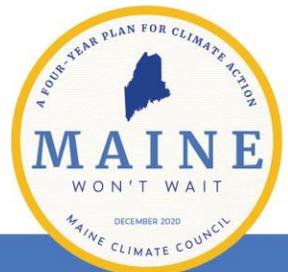
WON'T WAIT

DECEMBER 2020

MAINE CLIMATE COUNCIL



***“Maine Won’t Wait demonstrates the importance of planning in ensuring programming and policy decisions move the needle toward a more resilient future.”***



# 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 in the Energy and Industrial Sectors through Clean Energy Innovation



**F.** Build Healthy and Resilient Communities



# Tracking the Progress of *Maine Won't Wait*

This dashboard tracks numerical targets included in *Maine Won't Wait* to inform the public and help evaluate whether evidence-based adjustments, enhancements or replacements to policies are needed in pursuit of the plan's climate objectives. Over time, the dashboard will expand to include other key *Maine Won't Wait* metrics as updated data becomes available, new programs are established, and state and federal climate investments are realized.



**8,594**  
Electric & Plug-in Hybrid Vehicles

Goal: 219,000 by 2030



**389**  
Public EV Charging Stations

Up from 184 in 2019



**82,326**  
New Heat Pumps since 2019

Goal: 100,000 new by 2025



**9,112**  
Homes Weatherized since 2019

Goal: 17,500 by 2025



**48%**  
Clean Energy Use

Goal: 80% by 2030



**14,477**  
Clean Energy Jobs

Goal: 30,000 by 2030



**22%**  
of Maine Land Conserved

Goal: 30% by 2030

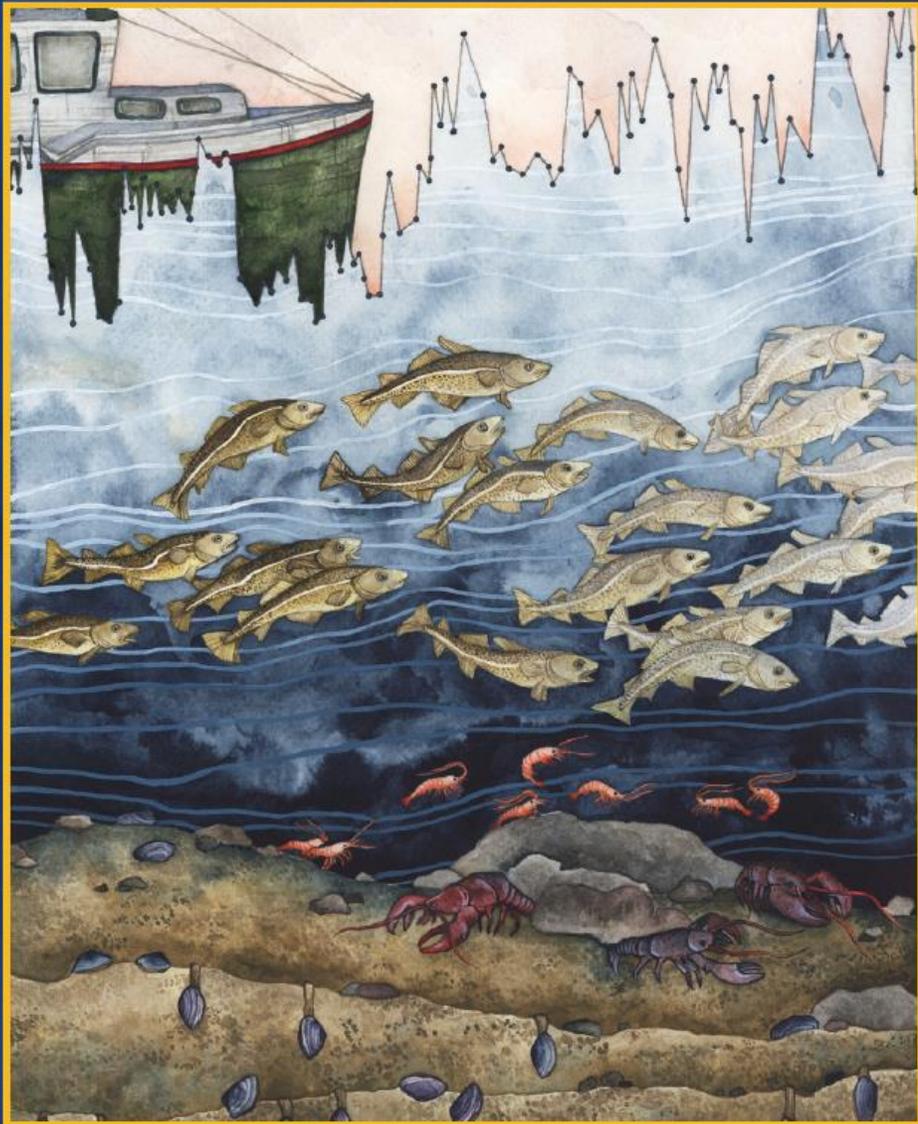


**127**  
Communities in Resilience Partnership

 Goal: 100 Communities by 2023

Visit our online dashboard to learn more: [maine.gov/climateplan/dashboard](https://maine.gov/climateplan/dashboard)

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



# Maine-specific Data, Research & Expertise

Download at [climatecouncil.maine.gov](http://climatecouncil.maine.gov)

**MAINE CLIMATE COUNCIL  
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE**

# Maine-specific Data, Research & Expertise

Ivan Fernandez<sup>1,3</sup> and Robert Marvinney<sup>1,4</sup>  
(EDITORS AND CO-CHAIRS)

Cassandra Rose  
(GOVERNOR'S OFFICE OF POLICY INNOVATION AND THE FUTURE)

## CO-AUTHORS:

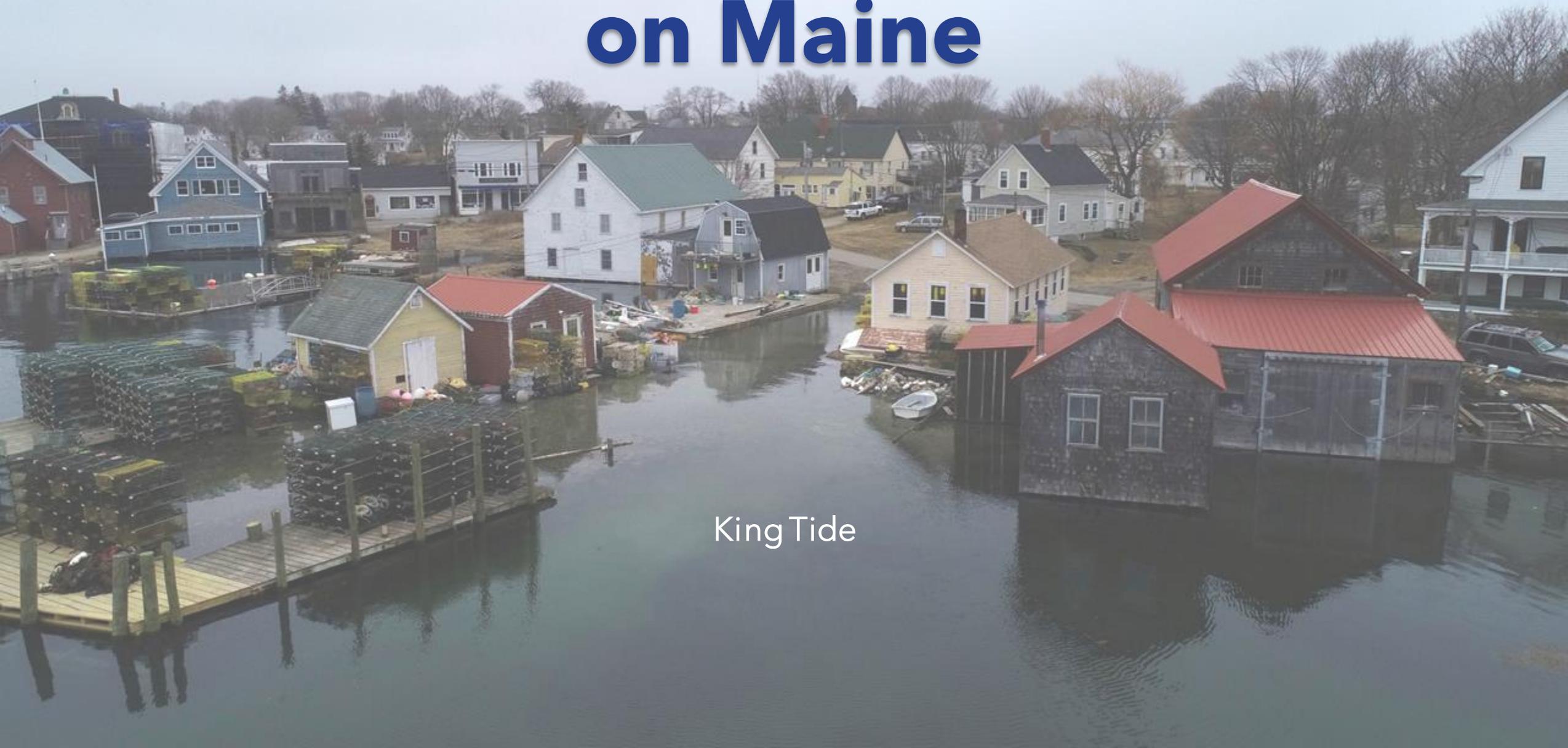
Co-authors: Susie Arnold<sup>1,5</sup>, Linda Bacon<sup>2,6</sup>, Andrew Barton<sup>2,7</sup>, Brian Beal<sup>1,8</sup>, Sean Birkel<sup>1,9</sup>,  
Russell Black<sup>1,10</sup>, Alix Contosta<sup>1,11</sup>, Amanda Cross<sup>1,12</sup>, Adam Daigneault<sup>1,13</sup>, Thomas Danielson<sup>2,6</sup>,  
Stephen Dickson<sup>1,4</sup>, Jeanne DiFranco<sup>2,6</sup>, Susan Elias<sup>1,14</sup>, Glenn Hodgkins<sup>1,15</sup>, Brian Hubbell<sup>1,16</sup>, Joe Kelley<sup>1,9</sup>,  
Rick Kersbergen<sup>1,17</sup>, Glen Koehler<sup>1,17</sup>, Rebecca Lincoln<sup>1,18</sup>, William Livingston<sup>2,13</sup>, Pamela Lombard<sup>1,15</sup>,  
Bradfield Lyon<sup>1,9</sup>, Andrew Pershing<sup>1,19</sup>, Nichole Price<sup>1,20</sup>, Jonathan Rubin<sup>1,21</sup>, Joseph Salisbury<sup>1,11</sup>,  
Erin Simons-Legaard<sup>2,13</sup>, Peter Slovinsky<sup>2,4</sup>, Robert Steneck<sup>1,23</sup>, Sally Stockwell<sup>1,24</sup>, Richard Wahle<sup>1,23</sup>,  
Jay Wason<sup>2,13</sup>, Aaron Weiskittel<sup>1,25</sup>, and Carl Wilson<sup>1,26</sup>

**AUGUST 2020**

## Author Affiliations

- 1 Member of the Scientific and Technical Subcommittee (STS)
- 2 Non-STS Contributor
- 3 University of Maine, School of Forest Resources, Climate Change Institute, School of Food and Agriculture
- 4 Maine Geological Survey
- 5 Island Institute
- 6 Maine Department of Environmental Protection
- 7 University of Maine at Farmington
- 8 University of Maine at Machias
- 9 University of Maine, Climate Change Institute, School of Earth and Climate Sciences
- 10 Senator, Maine State Legislature
- 11 University of New Hampshire, Earth Systems Research Center
- 12 Maine Department of Inland Fisheries and Wildlife
- 13 University of Maine, School of Forest Resources
- 14 Maine Medical Center Research Institute
- 15 U.S. Geological Survey
- 16 Representative, Maine State Legislature
- 17 University of Maine, Cooperative Extension
- 18 Maine Center for Disease Control
- 19 Gulf of Maine Research Institute
- 20 Bigelow Laboratory for Ocean Sciences
- 21 University of Maine, Margaret Chase Smith Policy Center, School of Economics
- 22 University of New Hampshire, Institute for the Study of Earth, Oceans, and Space
- 23 University of Maine, School of Marine Sciences, Darling Marine Center
- 24 Maine Audubon
- 25 University of Maine, Center for Research on Sustainable Forests, School of Forest Resources
- 26 Maine Department of Marine Resources

# Climate Change Impacts on Maine



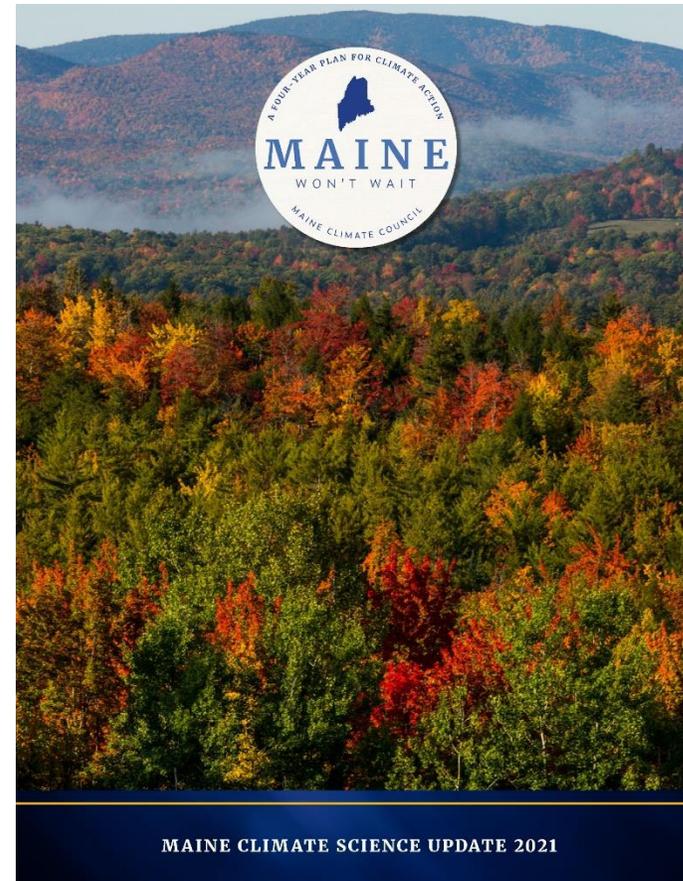
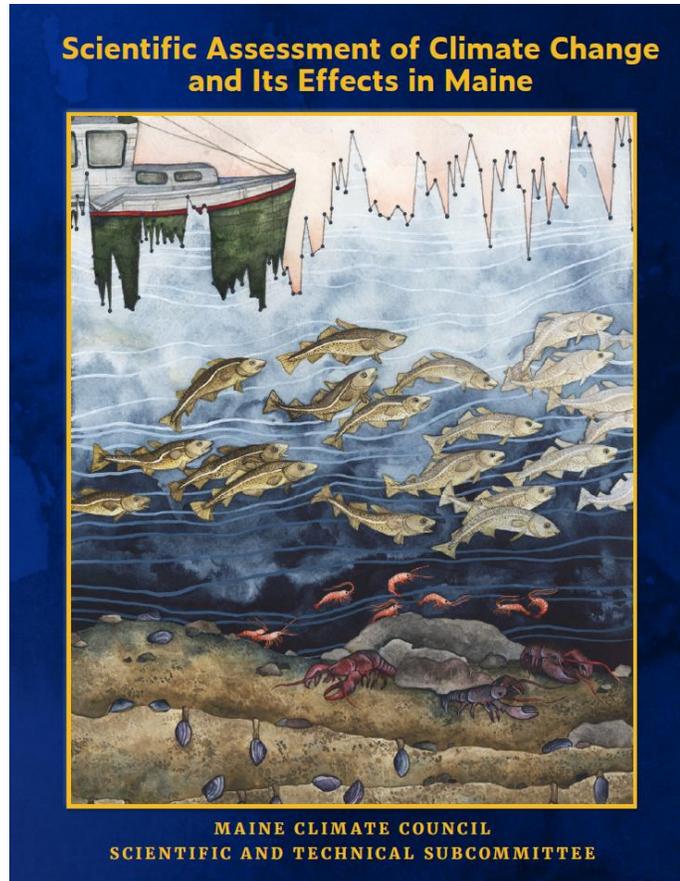
King Tide



# Maine Climate Council's Scientific and Technical Subcommittee

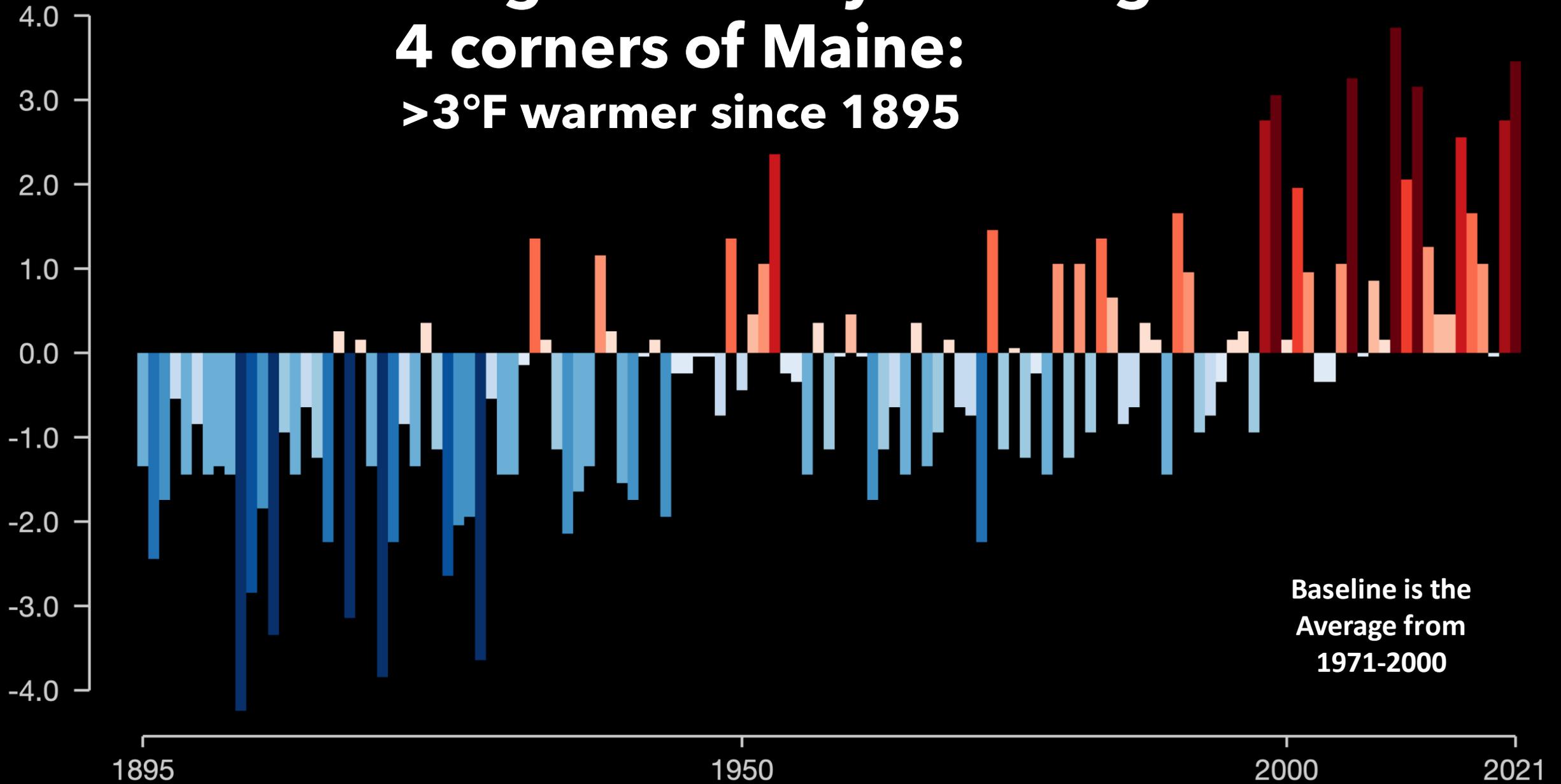
LD 1679: an expert **Scientific and Technical Subcommittee** is responsible for identifying the impacts of climate change in Maine.

2020:  
**Scientific  
Assessment of  
Climate  
Change  
(370 pgs)**



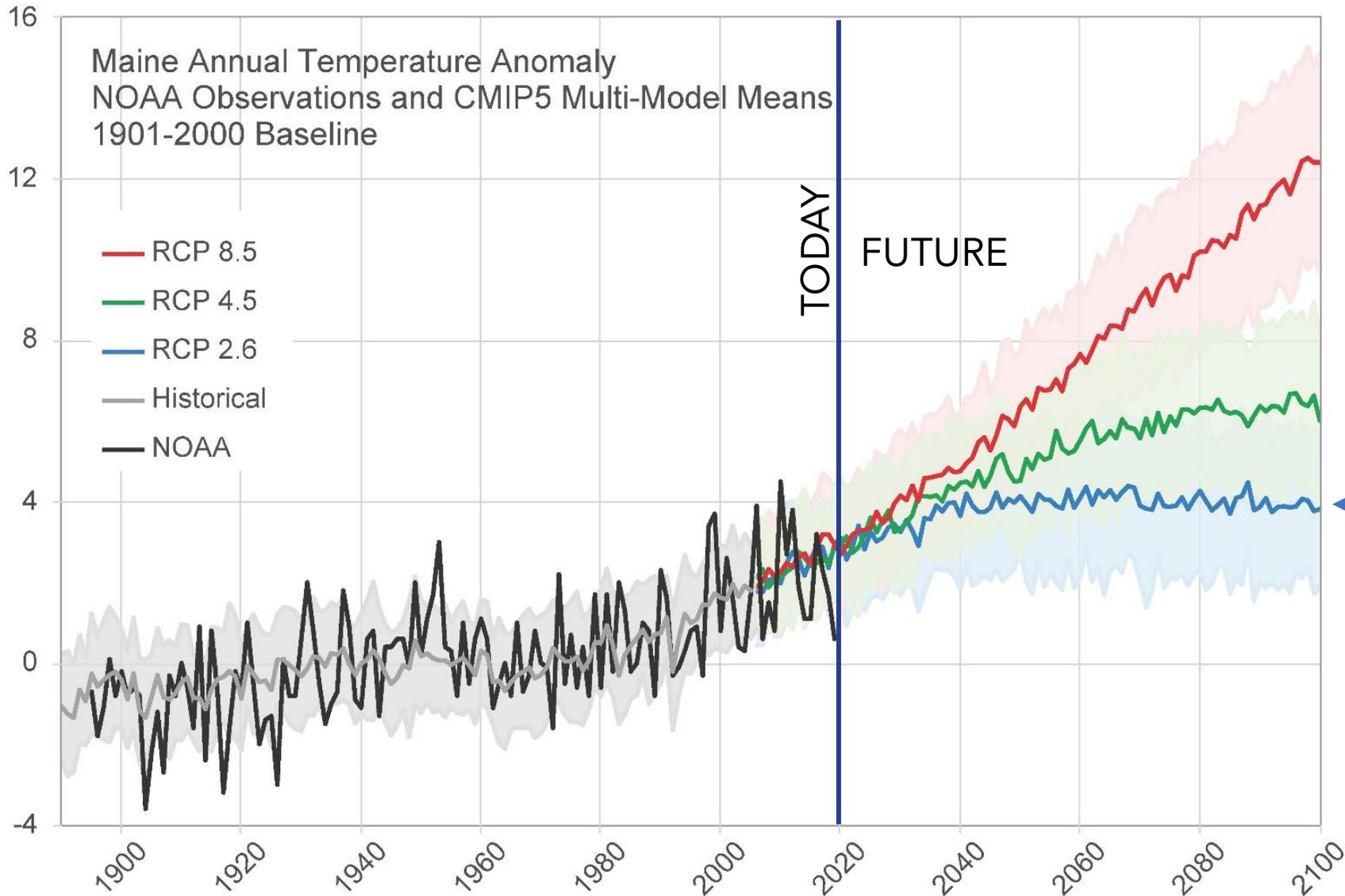
2021:  
**Maine Climate  
Science Update  
2021  
(20 pgs)**

# Climate change is already affecting all 4 corners of Maine: >3°F warmer since 1895



Baseline is the  
Average from  
1971-2000

# Maine will warm +2-10°F more, depending on success in limiting global emissions:



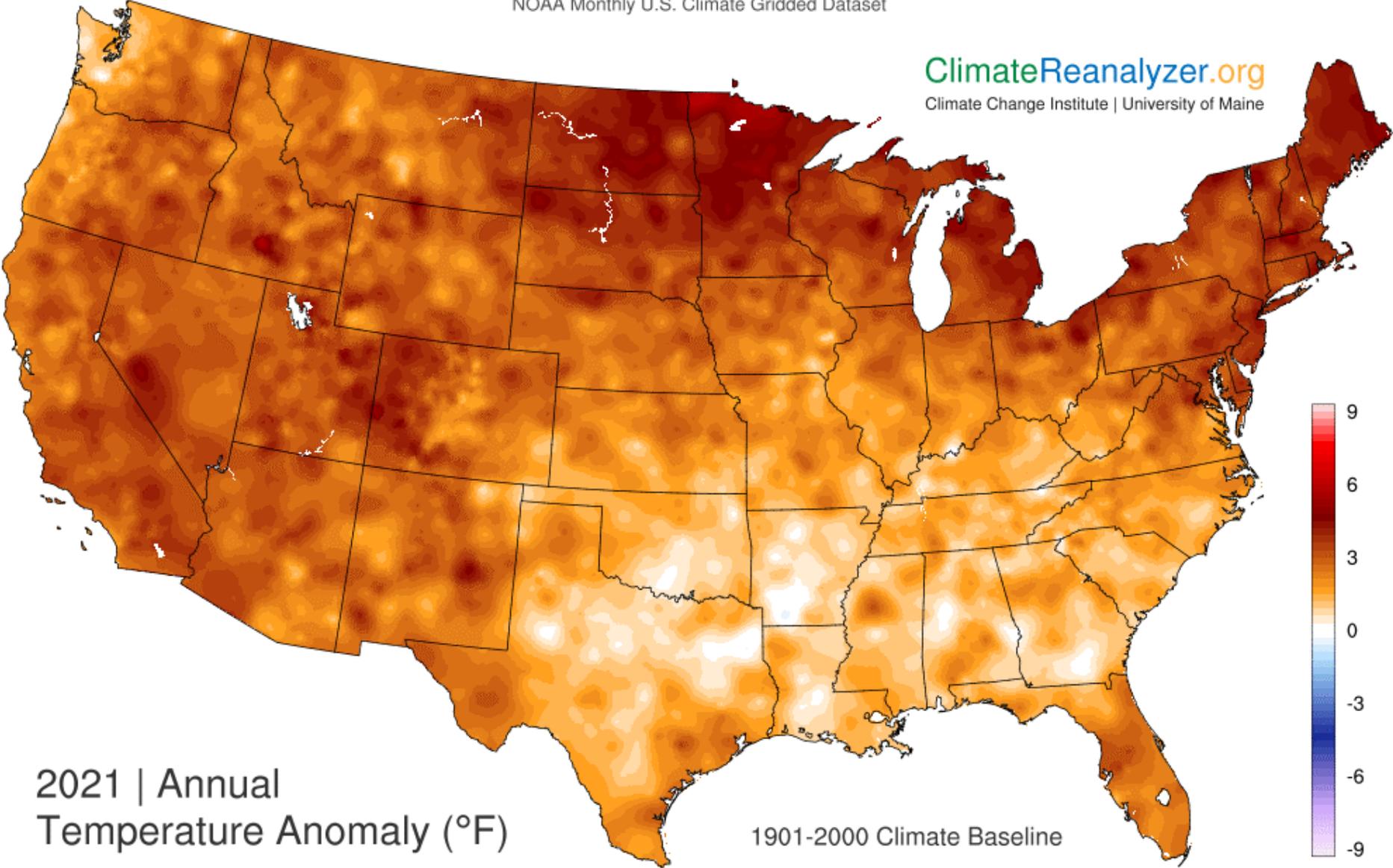
Temperature  
(°F),  
departure  
from baseline



# 2021 was Maine's 2<sup>nd</sup> warmest year on record

NOAA Monthly U.S. Climate Gridded Dataset

ClimateReanalyzer.org  
Climate Change Institute | University of Maine



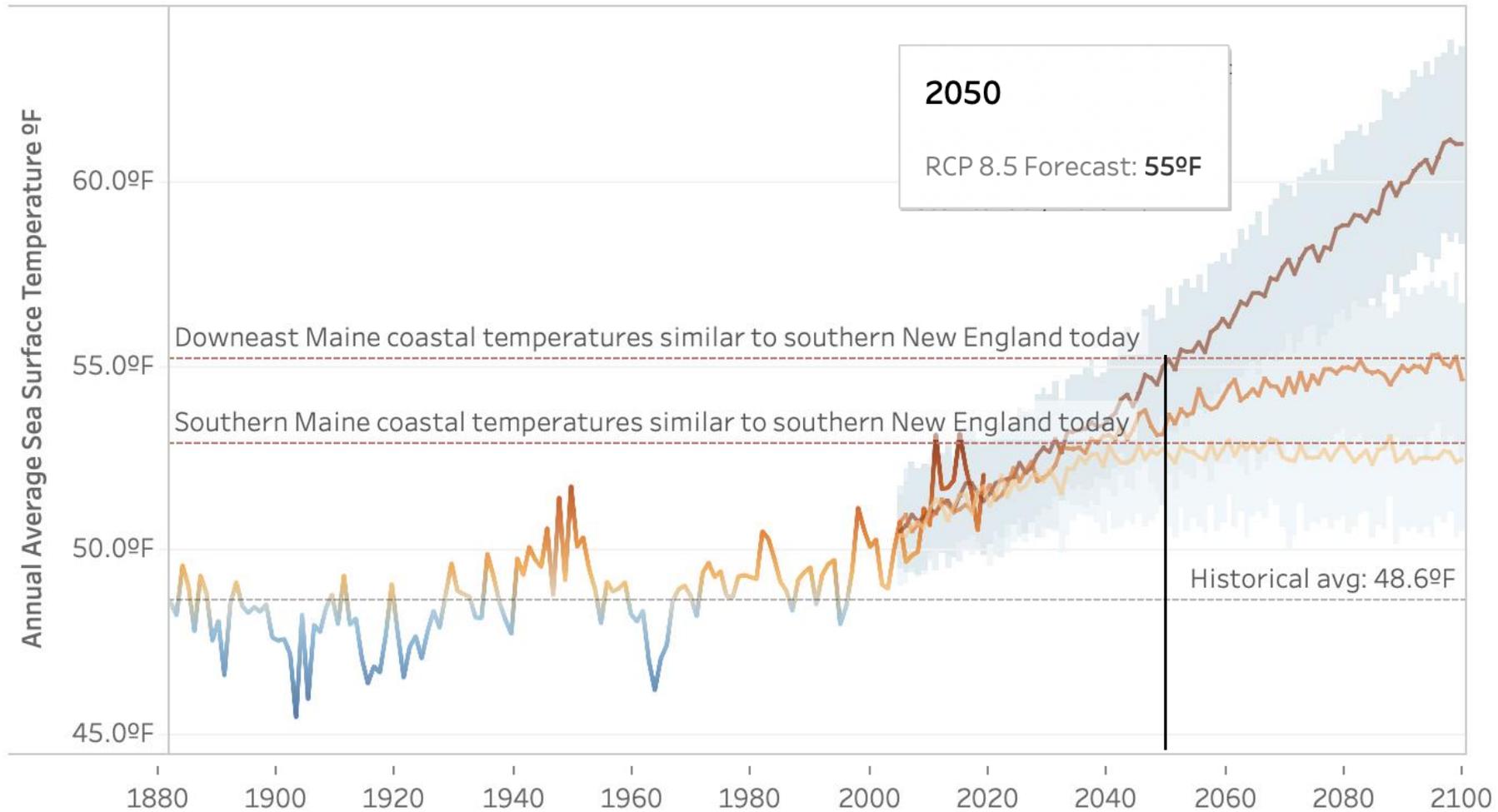
# Maine Climate Science Dashboard



- Explore historical data
- Explore Maine's potential climate future under different emissions scenarios
- Discover climate data resources to learn more

Visit [MaineWontWait.org](https://MaineWontWait.org)

# Gulf of Maine warming faster than 99% of world's oceans



SOURCE: NOAA (sea surface temperatures); Maine State Climate Office (CMIP5 model forecasts).

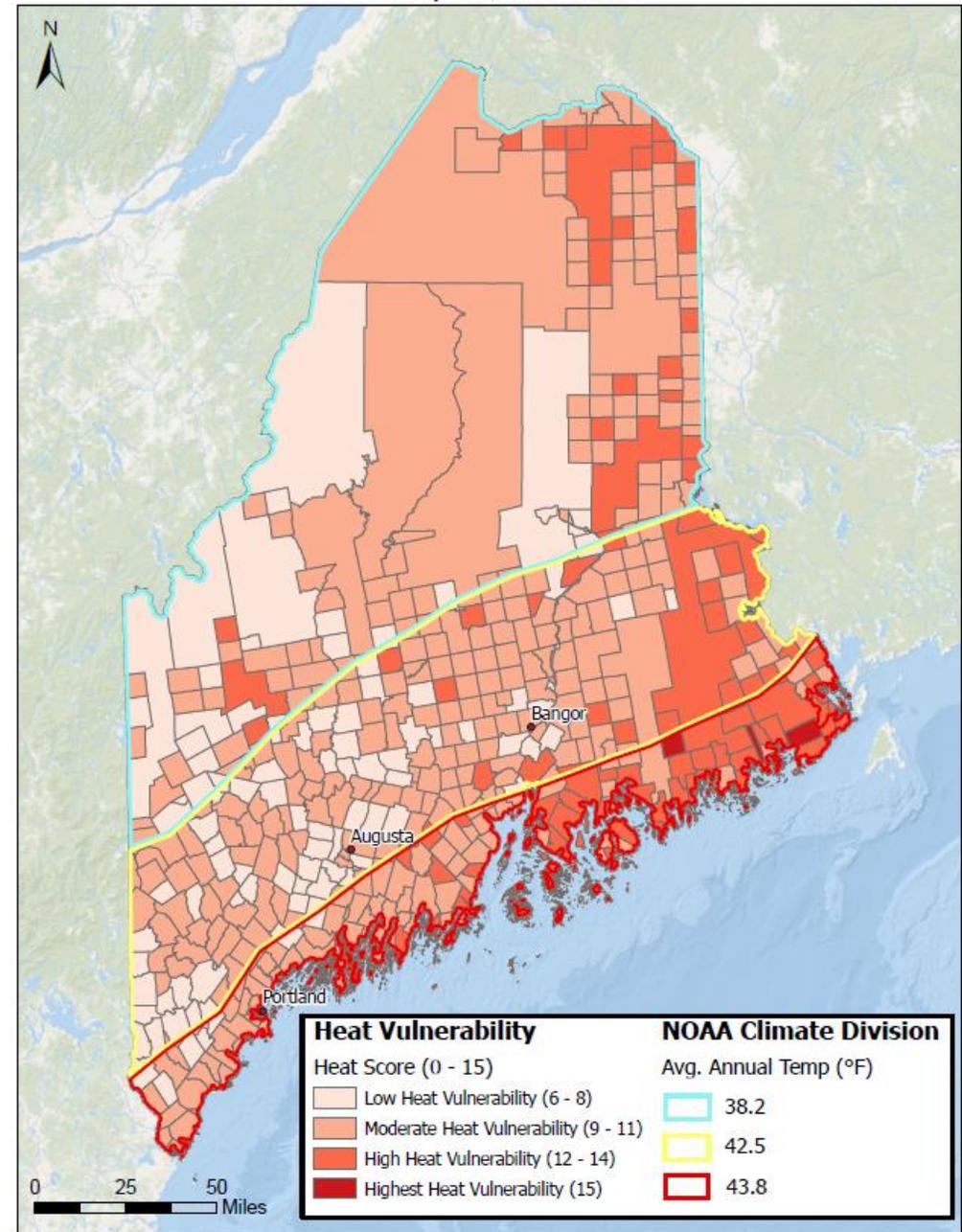
<https://www.maine.gov/climateplan/climate-impacts/climate-data>



# Increasing high heat days disproportionately impact vulnerable Mainers

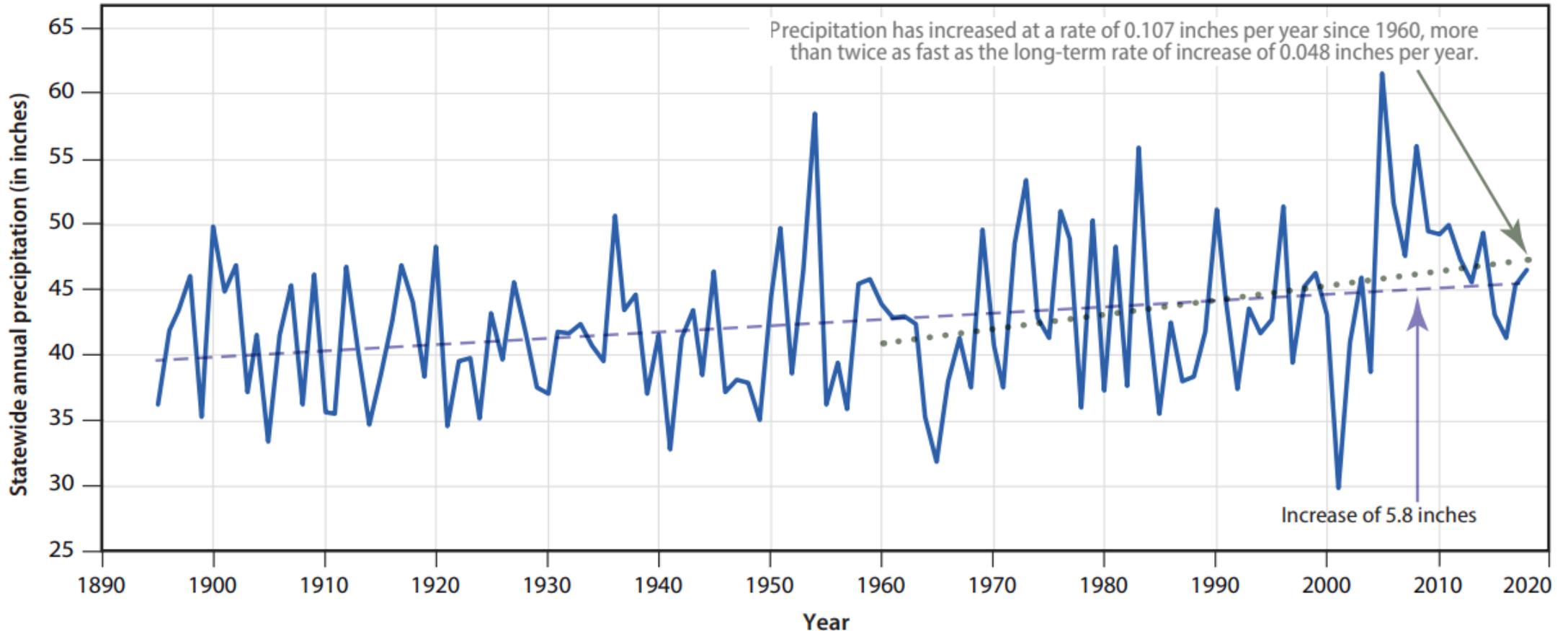
- High heat index days 2 - 4 times more frequent by the 2050s
- Direct and indirect costs from heat-related emergency and hospital visits will rise with hotter temps

Heat Vulnerability  
County Subdivisions



# Precipitation is growing more variable

## Maine Annual Precipitation, 1895–2018

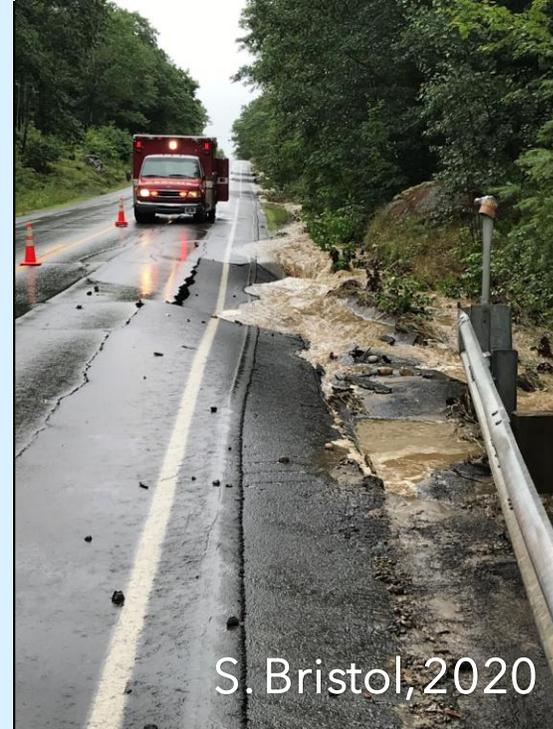


Total annual precipitation, 1895–2018, averaged across Maine based on monthly data from the NOAA U.S. Climate Divisional Database (NOAA CAAG). Linear trends are depicted for the entire record (dashed) and since 1960 (dotted).

Source: *Maine's Changing Climate, 2020 Update*, U. Maine, I. Fernandez et al. (2020).



**"Maine's annual precipitation (rain and snowfall) has increased more than 6 inches since 1895, and extreme precipitation events (1" to 4" or more) are becoming more frequent."**



S. Bristol, 2020



Gouldsboro, 2021



Camden, 2021



Acadia NP, 2021



Camden, 2021

# Preparing for Sea Level Rise

The State of Maine is planning for the intermediate scenario of 1.5 feet of relative sea level rise (SLR) by 2050 and 4 feet of SLR by 2100.

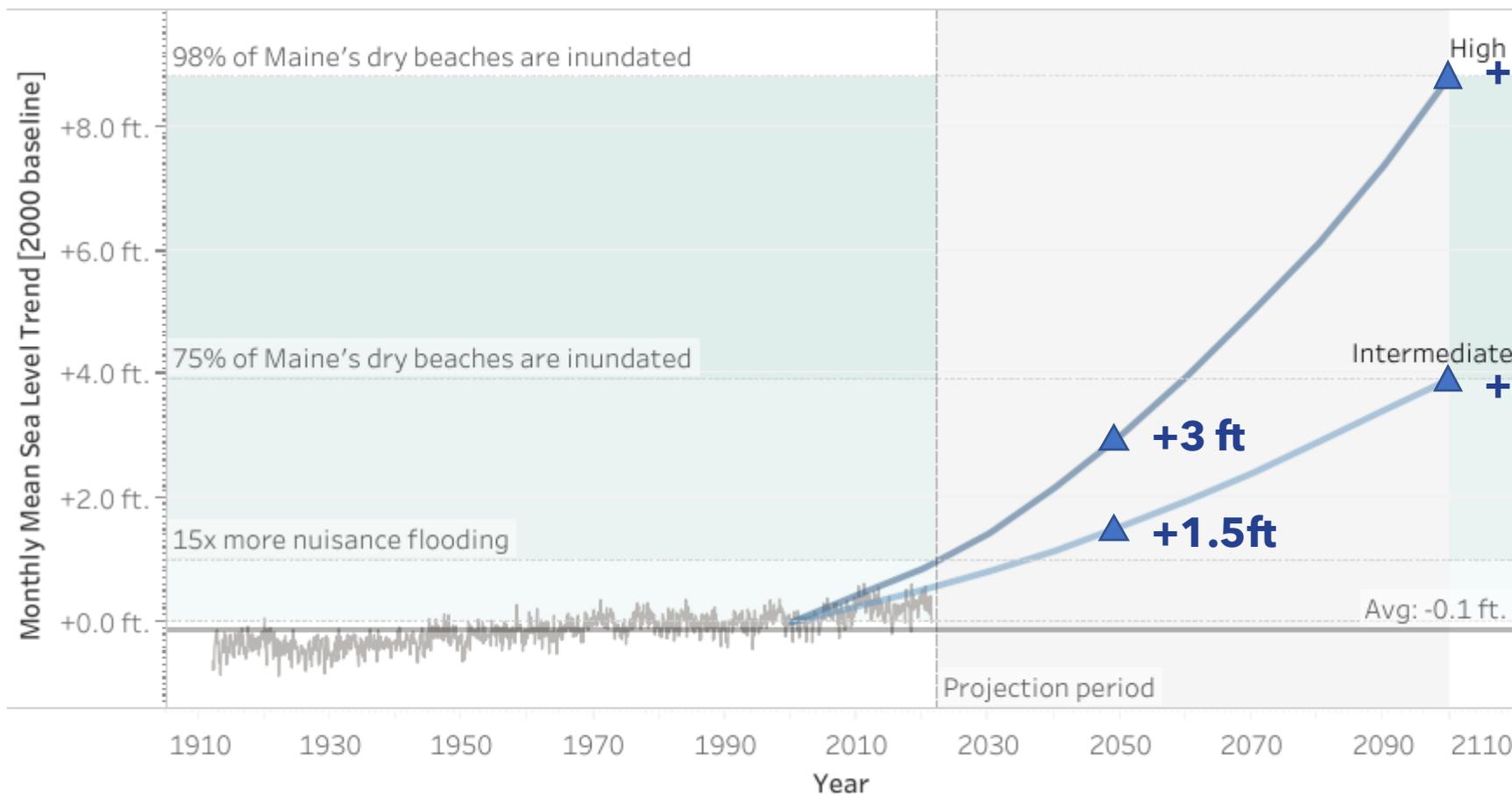
## Sea Level Rise Trend vs. 2000 baseline

Tide gauge: All

Use your cursor to drag and select a comparison period in the bars to the right. Click away to reset the selection.

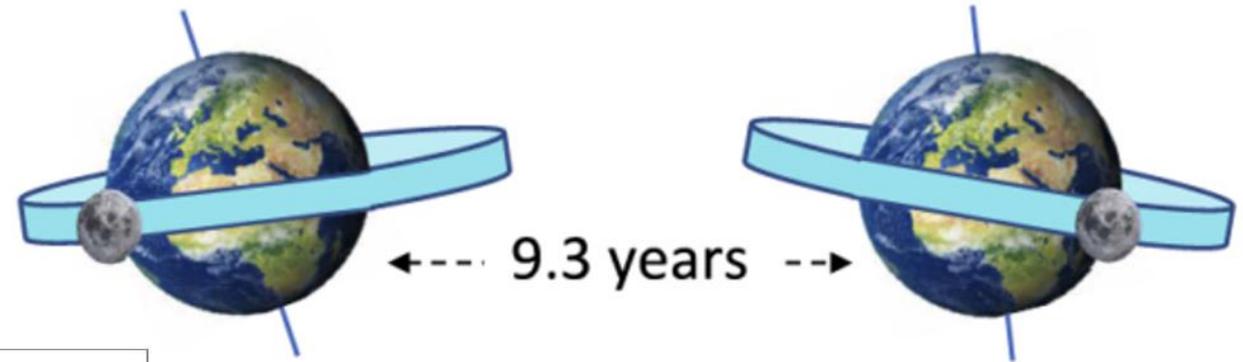
Projection End of century

Tide gauges  
Click to filter

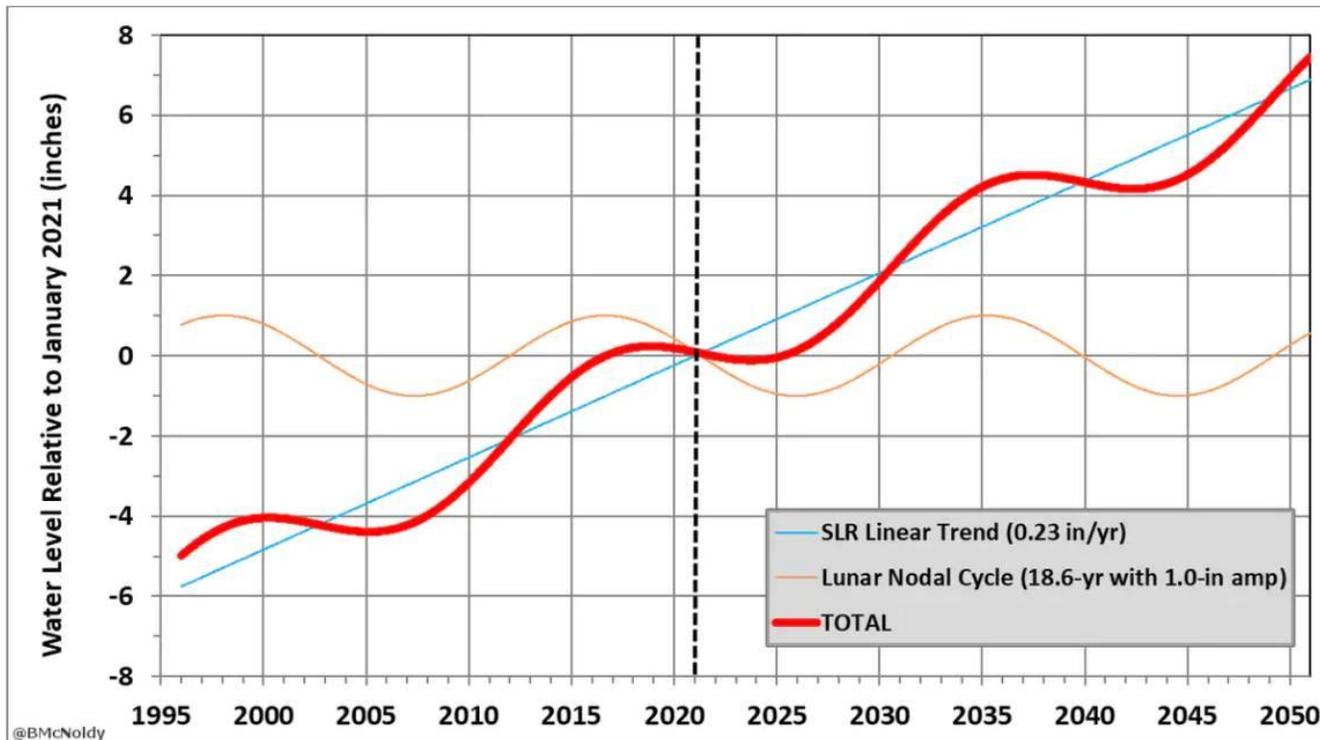


# Tides Vary with the Moon's Orbit

18.6-year **Lunar Nodal Cycle**- a natural cycle of the orbits of the Earth and the moon that exaggerates and mutes tides on Earth, and thus enhances or suppresses the effects of sea level rise



(Saintilan et al., Science Advances, 2022)



@BMcNoldy

By 2030 or sooner, the rate of sea level rise will likely rise significantly for over a decade.

Nuisance flooding will increase faster.

(Graphic: Brian McNoldy and PBS NewsHour, 2021)

# Maine Geological Survey Dashboard

Portsmouth Wells Portland Bar Harbor  
Cutler Eastport

**Short Term Trend**  
(1993-2023)

↑

3.55 mm/yr  
or  
1.16 ft/century

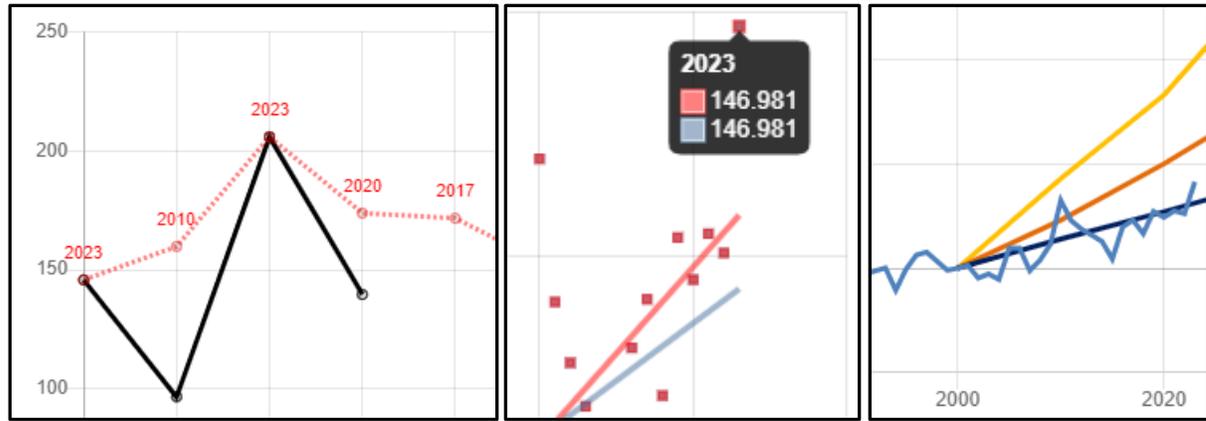
**April 2023**  
was the  
**3rd highest**  
**April**  
water level since  
**1947**

Learn More with the [Maine Sea Level Rise Dashboard](#)

**Sea Level Rise Trends**

Short Term (1993-2023)  
3.55 mm/yr or 1.16 ft/century

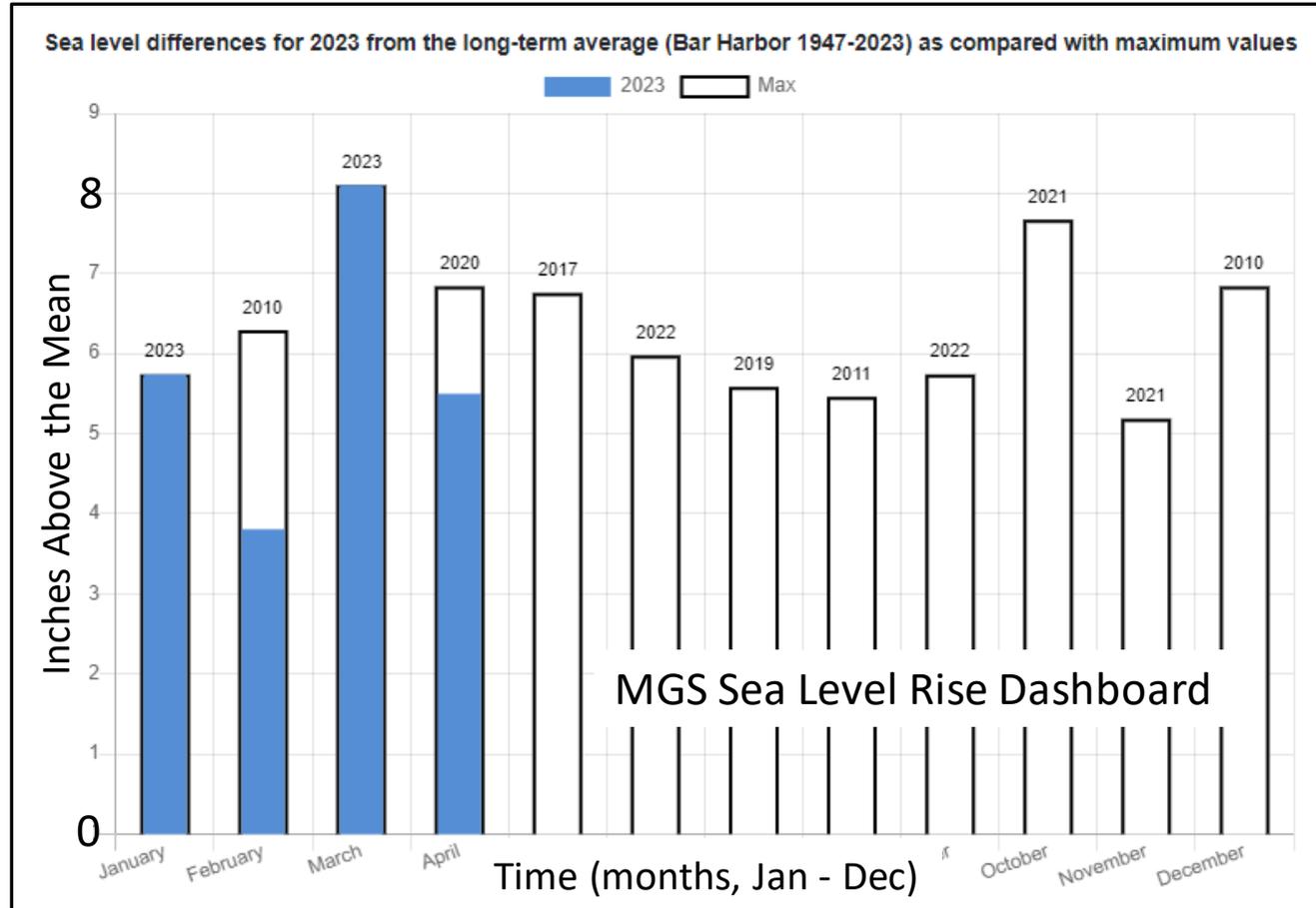
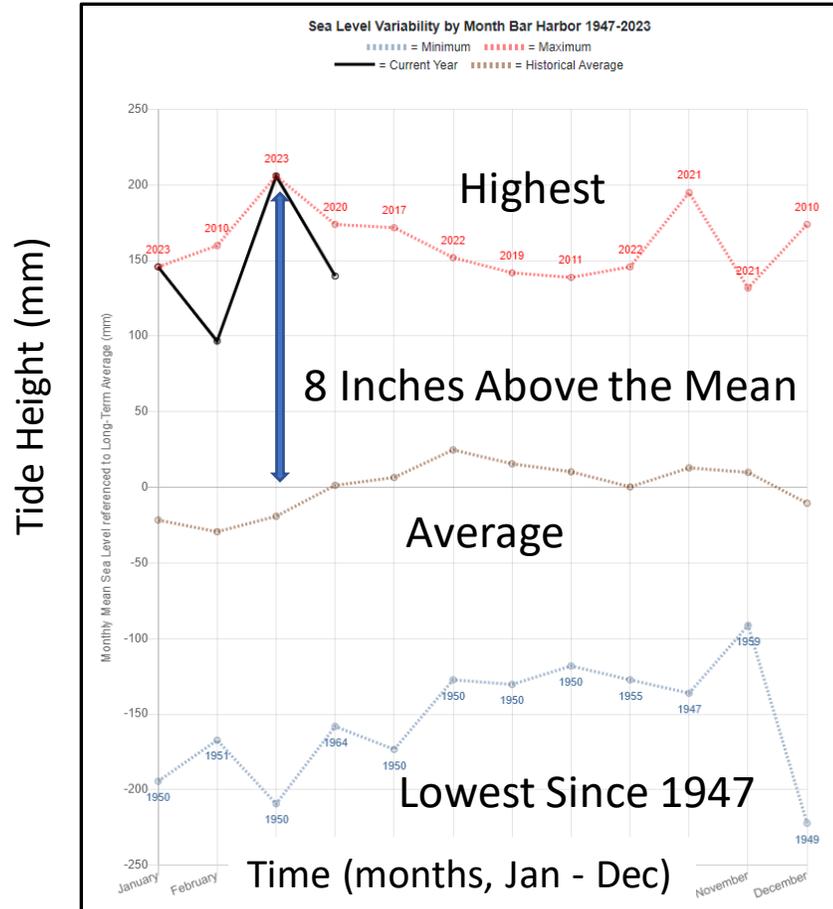
Long Term (1947-2023)  
2.35 mm/yr or 0.77 ft/century



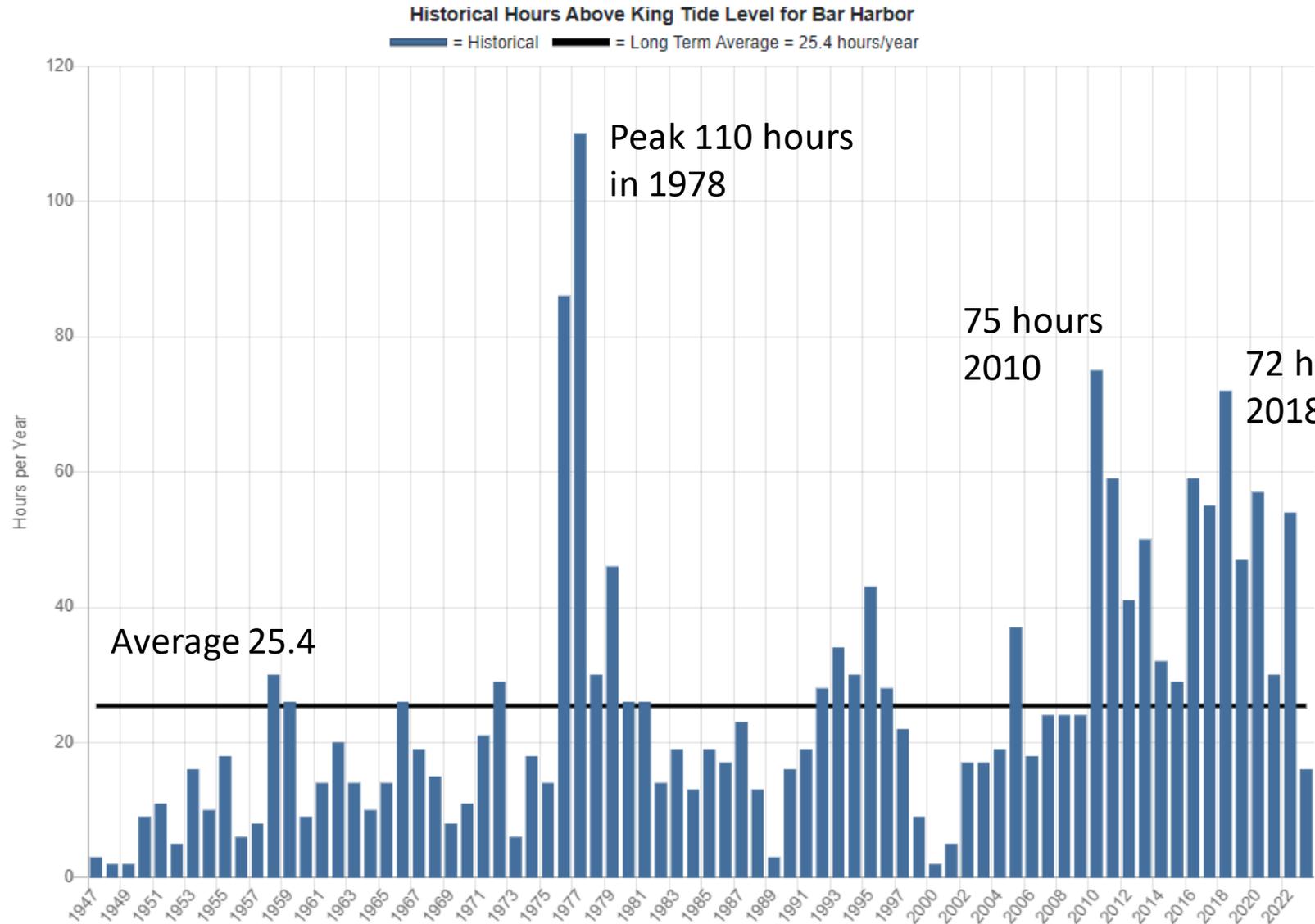
Visit [www.maine.gov/dacf/mgs/](http://www.maine.gov/dacf/mgs/)

# Bar Harbor Tide Gauge Monthly Water Level Rankings

Calendar Year 2022												Calendar Year 2023			
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
10th	42nd	8th	6th	4th	1st	2nd	2nd	1st	7th	4th	2nd	1st	3rd	1st	3rd



# Hours Above the King Tide Level: 1947-2023



Floodings should occur 15x more often with 1 foot of SLR

Average 25.4

Peak 110 hours in 1978

75 hours 2010

72 hours 2018



**"All sectors of Maine's economy -- from energy to agriculture, forestry, fishing, and tourism -- will feel the effects of climate change, such as warmer temperatures, more rain and overall extreme weather, and rising sea levels. Sea-level rise will increase the incidence of flooding and damage to property and infrastructure."**



**Read the report at [maine.gov/future](https://maine.gov/future)**



# FUNDING OPPORTUNITIES FOR LOCAL COMMUNITIES: Hancock County

Presented in Franklin, ME on May 23, 2023

Department of Agriculture,  
Conservation & Forestry (DACF)

David Ludwig

*Senior Climate Planner*

Bureau of Resource Information and  
Land Use Planning (BRILUP)



# Where to look for funding opportunities?

- Governor's Office of Policy Innovation and the Future (GOPIF):  
<https://www.maine.gov/future/>
  - Bipartisan Infrastructure Law (BIL) webinar series:  
[https://www.maine.gov/bil/events/MMA\\_BIL\\_webinar\\_series](https://www.maine.gov/bil/events/MMA_BIL_webinar_series)
  - Community Resilience Partnership:  
<https://www.maine.gov/future/climate/community-resilience-partnership>
- National Wildlife Federation:  
<https://fundingnaturebasedsolutions.nwf.org/>
  - Nature-Based Solutions Funding Database
  - Includes federal grants available to local communities (not just wildlife-related!)
- Maine Department of Agriculture, Conservation & Forestry:  
<https://www.maine.gov/dacf/about/grants/index.shtml>
  - Grants offered by or through DACF
  - Resilience, recreation, planning, forestry, agriculture, wildfire, and more!

# Significant Federal Infrastructure Support

## BIL Investment Categories

By *executive order of Governor Mills*, the State has established an Infrastructure Implementation Committee to coordinate the implementation of BIL initiatives among the State, cities, towns, tribal governments, and other entities in Maine. For more about each BIL category, [visit the Categories page](#).



### Transportation

BIL funding will support important investments in Maine's transportation system to support economic opportunity and quality of life.

**Coordinating Agencies:** Maine Department of Transportation, Governor's Energy Office, Governor's Office of Policy Innovation and the Future, Department of Environmental Protection, Efficiency Maine, and Department of Economic and Community Development.



### Resilience & Environmental Protection

Programs to strengthen the state's preparedness for storm events, flooding, and wildfires; to build resilience of transportation networks, drinking water and wastewater systems; to mitigate contaminants and pollution; and to improve natural capacity of watersheds and ecosystems.

**Coordinating Agencies:** Coordination of these investments is through a BIL Resilience Working Group, a cross-agency effort established to take advantage of BIL resilience opportunities which include over \$50 billion for evacuation routes, coastal resilience, improving infrastructure resilience, or efforts to move infrastructure to nearby locations less impacted by extreme weather and natural disasters.



### Energy Programs & Building Efficiency

Programs supporting improved energy efficiency in buildings and the expansion of affordable, clean energy generation and transmission networks.

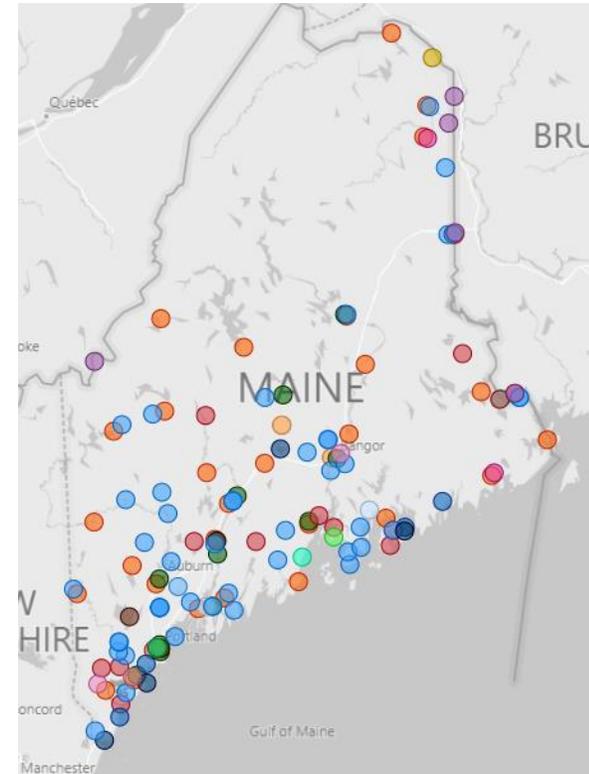
**Coordinating Agencies:** Governor's Energy Office, Maine Department of Transportation, Governor's Office of Policy Innovation and the Future, Efficiency Maine, MaineHousing, and the Maine Public Utilities Commission.



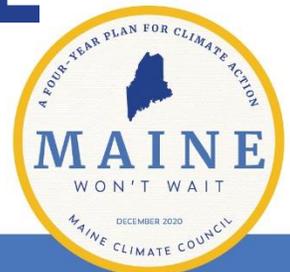
### Broadband & Technology

Programs to expand the interconnection and economic viability of Maine communities through improved, robust, affordable and universally available high speed internet (broadband) and secure information systems.

**Coordinating Agencies:** Department of Economic and Community Development, Maine Connectivity Authority, Department of Administrative and Financial Services, and Maine Department of Transportation.



# Maine.gov/BIL





# **OPPORTUNITIES FOR LOCAL COMMUNITIES *Discussed Today***

1. Community Wildfire Defense Grant (BIL)
2. Volunteer Fire Assistance Program (BIL)
3. Community Action Grants (State)
4. Shore and Harbor Planning Grants (Federal, non-BIL)
5. Coastal Community Planning Grants (Federal, non-BIL)
6. Firewood Bank Financial Assistance Program (BIL)
7. Urban & Community Forestry Inflation Reduction Act (IRA) Grants
8. PROTECT Grant (BIL)
9. The Island Institute Grants (Private)
10. Municipal Stream Crossing Upgrade Grant Program (State)
11. Maine Infrastructure Adaptation Fund (State)
12. Maine CDC Drinking Water Program List of Funds

# 1. Community Wildfire Defense Grant (BIL)

Overview	<p><b>Eligible activities</b> include either:</p> <ol style="list-style-type: none"><li>1. Creating a Community Wildfire Protection Plan (CWPP) or</li><li>2. Updating a CWPP that is more than five years old or</li><li>3. Carrying out project(s) described in a CWPP that is less than 10 years old</li></ol>		
Candidates & Eligibility	<p>Local governments, including towns, counties, special districts, tribal governments, and public colleges and universities are eligible to apply. Priority will be given to communities that are low income, have been impacted by a severe disaster, or have high or very high wildfire risk. Up to <b>\$250,000</b> per project is available for <b>CWPP development</b> or update, with 10% cost match required from applicant. Up to <b>\$10,000,000</b> per project is available for <b>CWPP project implementation</b>, with 25% cost match required from applicant. Cost match can be waived if community is underserved.</p>		
Accessing this Program	<p>Interested communities can apply directly to the USDA Forest Service, but <b>should first reach out to the Maine Forest Service contact below for guidance and support</b>.</p> <p>Applicants must register at <a href="https://sam.gov">sam.gov</a> to apply for a grant through <a href="https://grants.gov">grants.gov</a>. More information can be found at the website below, and at <a href="https://grants.gov">grants.gov</a> once the 2023 application opens.</p>		
Timing	<p>The application has not yet opened for 2023 and the opening date has not yet been announced. It will likely open in June of 2023. In 2022, the application opened on July 27, 2022 and closed on October 7, 2022.</p>		
Website	<p><a href="https://www.fs.usda.gov/managing-land/fire/grants">https://www.fs.usda.gov/managing-land/fire/grants</a></p> <p>For an example of last year's grant application, see: <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppId=342635">https://www.grants.gov/web/grants/view-opportunity.html?oppId=342635</a></p>		
Contact	<table border="0"><tr><td><p><b>Maine Forest Service Contact:</b> <b>Kent Nelson</b>, Forest Ranger Specialist Phone: 207-287-4989 Email: <a href="mailto:kent.nelson@maine.gov">kent.nelson@maine.gov</a></p></td><td><p>USDA Contact: Brad Simpkins, Cooperative Fire Specialist Phone: 603-312-8326 Email: <a href="mailto:brad.simpkins@usda.gov">brad.simpkins@usda.gov</a></p></td></tr></table>	<p><b>Maine Forest Service Contact:</b> <b>Kent Nelson</b>, Forest Ranger Specialist Phone: 207-287-4989 Email: <a href="mailto:kent.nelson@maine.gov">kent.nelson@maine.gov</a></p>	<p>USDA Contact: Brad Simpkins, Cooperative Fire Specialist Phone: 603-312-8326 Email: <a href="mailto:brad.simpkins@usda.gov">brad.simpkins@usda.gov</a></p>
<p><b>Maine Forest Service Contact:</b> <b>Kent Nelson</b>, Forest Ranger Specialist Phone: 207-287-4989 Email: <a href="mailto:kent.nelson@maine.gov">kent.nelson@maine.gov</a></p>	<p>USDA Contact: Brad Simpkins, Cooperative Fire Specialist Phone: 603-312-8326 Email: <a href="mailto:brad.simpkins@usda.gov">brad.simpkins@usda.gov</a></p>		

# 1. CWDG Priority Criteria

Definitions derived from: *Community Wildfire Defense Grant Risk Dataset: Methods and Intended Uses* (August 16, 2022)

<https://www.fs.usda.gov/sites/default/files/2022-08/CWDG-Risk-Dataset-Methods.pdf>

- **High or Very High Wildfire Risk** = Document linked above includes list of eligible communities. Hancock County, and many of its towns and the City of Ellsworth, are eligible based on fire risk, and would receive priority for high or very high wildfire risk.
- **Low Income** = Located in a community where the median household income is less than 80% of the median household income of its state. Hancock County as a whole does not meet this criterion, but some individual towns/townships likely do. If they meet this criterion, they may also qualify as underserved for a cost match waiver.
- **Impacted by a Severe Disaster** = Impacted by a federally declared disasters from 2012 through August 2022: <https://www.fema.gov/disaster/declarations>. Hancock County meets this criterion, could make argument that storms/flooding increased fire risk through blowdown, slash, etc.

# Important Reminder when Applying for Federal Grants

Organizations using the [grants.gov](https://grants.gov) portal must have an active registration with the System for Award Management ([SAM.gov](https://SAM.gov)), which will generate a Unique Entity Identifier (UEI). **Creating a SAM registration may take several weeks or more to complete.** Therefore, ensure you apply for your SAM registration promptly, before you wish to apply for grants through [grants.gov](https://grants.gov).

The screenshot shows the SAM.GOV website homepage. At the top, there is a navigation bar with links for Home, Search, Data Bank, Data Services, and Help. The main header features the SAM.GOV logo on the left and a badge on the right that reads "Official U.S. Government Website 100% Free".

The central content area is divided into two main sections. The left section, titled "The Official U.S. Government System for:", lists several services: Contract Opportunities (was fbo.gov), Contract Data (Reports ONLY from fpds.gov), Wage Determinations (was wdol.gov), Federal Hierarchy (Departments and Subtiers), Assistance Listings (was cfda.gov), Entity Information (Entities, Disaster Response Registry, Exclusions, and Responsibility/Qualification (was fapiis.gov) with a "NEW" tag), and Entity Reporting (SCR and Bio-Preferred Reporting).

The right section, titled "Register Your Entity or Get a Unique Entity ID", includes the text "Register your entity or get a Unique Entity ID to get started doing business with the federal government." and three buttons: "Get Started", "Renew Entity", and "Check Entity Status".

At the bottom, there is a search bar with the text "Already know what you want to find?". The search bar includes a dropdown menu labeled "Select Domain..." and a search input field containing "e.g. 1606N020Q02". A magnifying glass icon is positioned to the right of the search input.

## 2. Volunteer Fire Assistance Program (BIL)

Overview	Provides financial and technical assistance to volunteer fire departments in rural communities. Funds can be used to <b>purchase equipment for fighting wildfires</b> or to provide <b>training on wildfire suppression</b> .
Candidates & Eligibility	Rural communities such as cities, towns, and other local governments (such as local fire departments or special districts) are eligible to apply. A rural community is defined as having 10,000 or less population. <b>No single item funded by the grant may cost over \$5,000.</b> Grants require that <b>towns match the grant funds dollar for dollar</b> .
Accessing this Program	Potential applicants should visit the website below for more information and should reach the contact listed below to ask additional questions.
Timing	The program is open annually. Applications for the upcoming year are released in August and due in November. Recipients are notified in December.
Website	<a href="https://www.maine.gov/dacf/mfs/forest_protection/programs_services.html#Volunteer%20Fire%20Assistance%20Program">https://www.maine.gov/dacf/mfs/forest_protection/programs_services.html#Volunteer%20Fire%20Assistance%20Program</a>
Contact	Maine Forest Service Contact: Kent Nelson, Forest Ranger Specialist Phone: 207-287-4989 Email: <a href="mailto:kent.nelson@maine.gov">kent.nelson@maine.gov</a>

### 3. Community Action Grants (CAG) (State)

Overview	Provides funding for activities that reduce energy use and/or make communities more resilient to climate change, extreme weather, and/or public health impacts. Projects encouraged to implement strategies from Maine Won't Wait. <b>Can be used to plan projects which may then be funded by federal grants. Can be used to provide matching funds for federal grants.</b>
Candidates & Eligibility	Eligible applicants include municipal and tribal governments and unorganized territories who <b>have joined the Community Resilience Partnership (CRP)</b> . Those who have not yet joined are welcome to enroll. Grants have a <b>\$5,000 minimum</b> and <b>\$50,000 maximum</b> request amount. If <b>two or more communities</b> apply with a collaborative proposal, the group may request up to <b>\$125,000</b> . No match is required for activities from the <a href="#">List of Community Actions</a> . Several Hancock County towns have already enrolled and received funding from this grant program!
Accessing this Program	Enroll in the CRP (if not already enrolled). Visit the websites and reach the contact below for more information. Attend a webinar on June 1 at 3:00 p.m. if able.
Timing	<b>Currently open.</b> Applications due <b>July 7, 2023.</b>
Website	CRP enrollment: <a href="https://www.maine.gov/future/climate/community-resilience-partnership/support">https://www.maine.gov/future/climate/community-resilience-partnership/support</a> CAG information: <a href="https://www.maine.gov/future/climate/community-resilience-partnership/grants">https://www.maine.gov/future/climate/community-resilience-partnership/grants</a> Application for current grant: <a href="https://www.maine.gov/dafs/bbm/procurementservices/vendors/grants">https://www.maine.gov/dafs/bbm/procurementservices/vendors/grants</a>
Contact	Maine Governor's Office of Policy Innovation and the Future (GOPIF) : Brian Ambrette, Senior Climate Resiliency Coordinator Email: <a href="mailto:brian.ambrette@maine.gov">brian.ambrette@maine.gov</a>

## 4. Shore and Harbor Planning Grants (Federal, non-BIL)

Overview	Provides funding for activities to enhance shoreline access, waterfront and harbor planning, and resilience of infrastructure. Many types of projects can be funded, including vulnerability assessments, inventories, feasibility studies and designs, economic analyses, and public outreach. <b>Can be used to plan projects which may then be funded by BIL grants.</b> Grant funds provided by NOAA Office for Coastal Management, Coastal Zone Management Act funds granted to Maine Department of Marine Resources.
Candidates & Eligibility	Eligible applicants include single or groups of towns and/or unorganized townships in Maine's coastal zone, coastal Regional Planning Commissions, coastal Councils of Government, and Tribal Governments. Coastal Regional Planning Commissions and Councils of Government may have some of their geography within the coastal zone, but all funds must be used for projects within the <a href="#">coastal zone</a> . Many Hancock County communities, including Franklin, are in the coastal zone. Awards are <b>between \$5,000 and \$50,000</b> per project. <b>25% non-federal match</b> required. <b>Community Action Grants from GOPIF can be used to meet this requirement.</b>
Accessing this Program	Visit the website and reach the contact below for more detailed information and examples of previous projects.
Timing	Open annually in the spring ( <b>currently open</b> ). Proposals are due on <b>Friday, June 2, 2023, at 5:00 pm.</b>
Website	<a href="https://www.maine.gov/dmr/programs/maine-coastal-program/grants-and-rfps/shore-and-harbor-planning-grants">https://www.maine.gov/dmr/programs/maine-coastal-program/grants-and-rfps/shore-and-harbor-planning-grants</a>
Contact	Maine Department of Marine Resources Contact: Melissa Britsch, Senior Planner Phone: 207-215-6171 Email: <a href="mailto:melissa.britsch@maine.gov">melissa.britsch@maine.gov</a>

## 5. Coastal Community Planning Grants (Federal, non-BIL)

Overview	Provides funding for a variety of planning and implementation activities related to coastal resilience and climate change. Activities may include feasibility and vulnerability studies, development and adoption of regulatory and non-regulatory policies and programs, capital improvements planning, and public engagement and education. Construction-related activities are not covered. <b>Can be used to plan projects which may then be funded by BIL grants.</b> Grant funds provided by NOAA Office for Coastal Management, Coastal Zone Management Act funds granted to Maine Department of Marine Resources.
Candidates & Eligibility	Eligible applicants include counties, municipalities, unorganized territories, tribal governments, and Regional Planning Organizations in Maine's <a href="#">coastal zone</a> . Many Hancock County communities, including Franklin, are in the coastal zone. Groups of two or more coastal municipalities are eligible to submit a multi-municipal application. Awards range from <b>\$20,000 to \$50,000. 25% match</b> in non-federal funds or services is required. <b>Community Action Grants from GOPIF can be used to meet this requirement.</b> If towns are enrolled in Community Resilience Partnership, they may not need to have a consistent Comprehensive Plan to be eligible.
Accessing this Program	Visit the website and reach the contact below for more detailed information and examples of previous projects.
Timing	Open annually in the spring ( <b>currently open</b> ). Proposals are due on <b>Friday, June 2, 2023, at 5:00 pm.</b>
Website	<a href="https://www.maine.gov/dacf/municipalplanning/financial_assistance.shtml">https://www.maine.gov/dacf/municipalplanning/financial_assistance.shtml</a>
Contact	Municipal Planning Assistance Program Contact: Joan Walton, Senior Planner Phone: 207-419-8661 Email: <a href="mailto:joan.walton@maine.gov">joan.walton@maine.gov</a>

## 6. Firewood Bank Financial Assistance Program (BIL)

Overview	This grant provides financial assistance for wood banks and other organizations offering free firewood to heat low-income homes. Many items are eligible for funding including chainsaws, axes, splitters, protective equipment, green logs, and more.
Candidates & Eligibility	To apply for this federal funding opportunity, you must be a representative from an eligible firewood bank, or any kind of organization which provides free year-round, seasonal, or emergency firewood in order to heat homes. <b>Up to \$15,000</b> is available <b>per grant</b> , but <b>no single item may cost more than \$5,000</b> . Minimum \$1,000 per grant. Potential applicants must comply with a <a href="#">list of best practices</a> in order to receive funds.
Accessing this Program	Applicants should visit the website below for more information and reach out to the contact below with questions.
Timing	Annual; <b>currently open</b> . No deadline listed.
Website	<a href="https://www.firewoodbanks.org/">https://www.firewoodbanks.org/</a>
Contact	Alliance for Green Heat Email: <a href="mailto:info@forgreenheat.org">info@forgreenheat.org</a>

# 7. Urban & Community Forestry Inflation Reduction Act Grants (IRA)

Overview	<p>This grant provides financial assistance for a variety of long-term urban forestry related activities, with a focus on disadvantaged or underrepresented communities. Eligible activities include <b>protecting, enhancing, and expanding urban tree canopy cover</b>, encouraging long-term urban forest planning, assessment, and management, encouraging proactive and systemic tree maintenance, advancing the use of tree and forest inventories and monitoring, <b>recovering from severe storm events</b>, and urban forestry job creation.</p>	
Candidates & Eligibility	<p>Eligible applicants include state and local government entities, federally recognized tribal governments and organizations, public colleges and universities, and non-profit organizations. Eligible lands include those controlled by state and local governments, homeowners associations, and private landowners. Minimum funding per grant is \$100,000, with a maximum of \$50,000,000. <b>Applicants must match federal funds dollar for dollar with non-federal funds, but match waivers are available for proposals that deliver 100% of the funding/program benefits to disadvantaged communities.</b></p>	
Accessing this Program	<p>Applicants should visit the website below for more information, watch the recorded webinars provided, and reach out to the contacts below with questions. Applications must be submitted directly through <a href="https://www.grants.gov">grants.gov</a>. Applicants must register at <a href="https://sam.gov">sam.gov</a> to apply for a grant through <a href="https://www.grants.gov">grants.gov</a>. Visit the websites below or visit <a href="https://www.grants.gov">grants.gov</a> and search for opportunity number: USDA-FS-2023-UCF-IRA-01.</p>	
Timing	<p>Applications due 11:59 p.m. <b>June 1, 2023</b>. It is unclear if or when this grant may be offered again. <b>Maine Forest Service also received funding directly through this program and will make it available to communities in smaller grants, likely in fall 2023. Contact Jan (below) for more information.</b></p>	
Website	<p>Program Information: <a href="https://www.fs.usda.gov/managing-land/urban-forests">https://www.fs.usda.gov/managing-land/urban-forests</a></p> <p>Current Application: <a href="https://www.grants.gov/web/grants/search-grants.html?keywords=USDA-FS-2023-UCF-IRA-01">https://www.grants.gov/web/grants/search-grants.html?keywords=USDA-FS-2023-UCF-IRA-01</a></p>	
Contact	<p><b>Maine Forest Service Contact:</b>          Jan Ames Santerre, Senior Planner          Phone: 207-287-4987          Email: <a href="mailto:jan.santerre@maine.gov">jan.santerre@maine.gov</a></p>	<p>US Forest Service Contact:          For clarifying questions about grant information, email: <a href="mailto:SM.FS.UCF_IRA@usda.gov">SM.FS.UCF_IRA@usda.gov</a>          For technical issues with Grants.gov, call 1-800-518-4726 or email: <a href="mailto:support@grants.gov">support@grants.gov</a></p>

## 8. PROTECT Grants (BIL)

Overview	<p>The Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT) Grant program provides funding to ensure <b>surface transportation resilience to natural hazards including climate change, sea level rise, flooding, extreme weather events, and other natural disasters</b> through support of planning activities, resilience improvements, community resilience and evacuation routes, and at-risk coastal infrastructure. Projects can include installation of <b>nature-based solutions to infrastructure vulnerabilities</b> including habitat restoration, tree planting, bioswales, breakwaters, artificial reefs, and other actions.</p>	
Candidates & Eligibility	<p>Eligible applicants include states, metropolitan planning organizations (MPOs), local governments, special districts with a transportation function, and Tribal governments. Eligible types of infrastructure include highways, public transportation, and ports. <b>Minimum awards are \$100,000 and there is no maximum award size.</b> Generally, applicants must cover 20% of project costs, but in certain circumstances that amount may be reduced.</p>	
Accessing this Program	<p>Visit the websites below for more information and reach out to the contacts below with questions. Applicants must register at <a href="https://sam.gov">sam.gov</a> to apply for a grant through <a href="https://grants.gov">grants.gov</a>.</p>	
Timing	<p>Applications must be submitted by Friday, <b>August 18, 2023.</b></p>	
Website	<p>Program Information: <a href="https://www.fhwa.dot.gov/environment/protect/discretionary/">https://www.fhwa.dot.gov/environment/protect/discretionary/</a>  <a href="https://www.transportation.gov/rural/grant-toolkit/promoting-resilient-operations-transformative-efficient-and-cost-saving">https://www.transportation.gov/rural/grant-toolkit/promoting-resilient-operations-transformative-efficient-and-cost-saving</a>          Application: <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppId=347585">https://www.grants.gov/web/grants/view-opportunity.html?oppId=347585</a></p>	
Contact	<p>State contact to be determined.</p>	<p><b>US Department of Transportation Contact:</b>  <a href="mailto:PROTECTdiscretionary@dot.gov">PROTECTdiscretionary@dot.gov</a></p>

## 9. Island Institute Grants (Private)

Overview	<p>Three smaller grant programs for Maine's <b>island and coastal communities</b> including:</p> <p><b>Shore Up Grants:</b> risk assessments, infrastructure planning, and/or community engagement regarding <b>sea level rise</b>.</p> <p><b>Spark! Clean Energy Grants:</b> waterfront <b>energy efficient or renewable energy</b> items such as heat pumps, solar panels, efficient appliances, LED bulbs, electric boats, or services such as weatherization, energy audits, and energy consulting</p> <p><b>Broadband Planning Grants:</b> support community-driven <b>broadband internet projects</b></p> <p><b>As private grants, could help by providing matching funds for state or federal grants.</b></p>
Candidates & Eligibility	<p><b>Shore Up Grants:</b> communities eligible for up to <b>\$10,000</b>. Matching helpful but not required.</p> <p><b>Spark! Clean Energy Grants:</b> public or private working waterfront entities eligible for up to <b>\$4,000 per year</b>. Visible and/or marine sector projects preferred. Matching funds required for for-profit businesses only.</p> <p><b>Broadband Planning Grants:</b> municipalities, local institutions, or nonprofits. <b>\$1,000 to \$15,000 available</b>, but <b>larger groups of communities may request more</b>. Dollar for dollar match unless significant need and impact are demonstrated.</p>
Accessing this Program	<p>Applicants should visit the website below for more information and reach out to the contacts below with questions about their specific grants. Applicants can apply through Island Institute but must first create an account on their website.</p>
Timing	<p>Rolling; current funding cycle ends June 30, 2023.</p>
Website	<p><a href="https://grants.islandinstitute.org/s/fundingprograms">https://grants.islandinstitute.org/s/fundingprograms</a></p>
Contact	<p>Island Institute Contact:</p> <p><b>Shore Up Grants</b> Email: <a href="mailto:shoreupgrants@islandinstitute.org">shoreupgrants@islandinstitute.org</a></p> <p><b>Spark! Clean Energy Grants</b> Email: <a href="mailto:sparkgrants@islandinstitute.org">sparkgrants@islandinstitute.org</a></p> <p><b>Broadband Planning Grants:</b> No email provided, visit <a href="https://grants.islandinstitute.org/s/funding-program/a106g000004wAaZAAU/broadband-planning-grants-fy23">https://grants.islandinstitute.org/s/funding-program/a106g000004wAaZAAU/broadband-planning-grants-fy23</a></p>

# 10. Municipal Stream Crossing Upgrade Grant Program (State)

Overview	Provides funding for upgrading culverts at stream crossings to improve public safety and minimize flooding, improve habitat for fish and wildlife, and represent a cost effective and efficient investment. Culvert improvements can enhance resilience to climate change by reducing the likelihood of flooding and failure during large storm or runoff events.
Candidates & Eligibility	Eligible applicants include local governments, municipal conservation commissions, soil and water conservation districts, and nonprofit organizations. Projects must be located on municipal roads. Maximum of \$150,000 available per project, up to 2 awards per municipality per year. No minimum match, but grants cannot fund 100% of any project; applications with higher matching amounts offered may be more likely to be approved.
Accessing this Program	Visit the website and reach the contact below for more detailed information and examples of previous projects.
Timing	2022 applications have closed. Additional grants may become available, however funding has not yet been allocated for a round in 2023.
Website	<a href="https://www.maine.gov/dep/land/grants/stream-crossing-upgrade.html">https://www.maine.gov/dep/land/grants/stream-crossing-upgrade.html</a>
Contact	Maine Department of Environmental Protection Contact: John Maclaine, Environmental Specialist Phone: 207-615-3279 Email: <a href="mailto:john.maclaine@maine.gov">john.maclaine@maine.gov</a>

## **11. Maine Infrastructure Adaptation Fund (State)**

- \$20,000,000 allocated to program has been used up. Not open for applications at this time.
- Awaiting possibility of additional allocations, but timing on that is currently unclear.
- Previous round of funding administered through Maine Department of Transportation to provide grants to municipalities to improve and protect stormwater, drinking water, and wastewater infrastructure from flooding, rising sea levels, and extreme weather.
- Recapitalization possible, pending budget.

Website: <https://www.maine.gov/jobsplan/program/maine-infrastructure-adaptation-fund>

## 12. Maine CDC Drinking Water Program List of Funds

- DWSRF Base Capitalization Grant (SDWA Amendments 1997)
- [DWSRF Supplemental Capitalization Grant \(BIL\)](#)
- State Match (Base: 20%, Supp: 10%)
- Loan Repayments & Interest (Revolving Funds)
- DWSRF Lead Service Line Replacement Capitalization Grant (BIL)
- [DWSRF Emerging Contaminants Capitalization Grant \(BIL\)](#)
- [ARPA \(Maine Jobs Recovery Plan\)](#)
- [WIIN 2107 Lead Testing in Schools & Daycare Facilities](#)
- [WIIN 2104 Funding for Small & Disadvantaged Communities](#)
- [BIL EC Small and Disadvantaged Community Emerging Contaminant Grant \(BIL\)](#)

## 12. Maine CDC Drinking Water Program Other Types of Financial Assistance Available

- Land Acquisition Loans
- Asset Security Grants
- Wellhead Protection Grants
- Source Water Protection Grants
- Capacity Development Grants
- Service Line Inventory Grants
- System Consolidation Grants
- Very Small System
  - Capacity Development Grants
  - Compliance Loans (100% PF)
  - Disinfection Grants (100% PF)

For more information about Maine CDC Drinking Water Program financial assistance, visit [https://www.maine.gov/bil/events/MMA\\_BIL\\_webinar\\_series](https://www.maine.gov/bil/events/MMA_BIL_webinar_series) and watch the webinar dated March 2, 2023, or contact:

William Dawson, PE

Manager of the Maine Drinking Water State Revolving Fund

[william.dawson@maine.gov](mailto:william.dawson@maine.gov)

# Success Stories from Hancock County Towns

- Community Action Grants:
  - Deer Isle received \$50,000 for climate planning
  - Castine received \$50,000 for lighting efficiency upgrades
  - Blue Hill and Brooksville jointly received \$125,000 a vulnerability assessment
  - Surry received \$50,000 for a vulnerability assessment
- Coastal Community Grants
  - Bar Harbor Conservation Commission Open Space Plan
  - City of Ellsworth: Stormwater Management and Adaptation Planning
- Firewood Bank Financial Assistance Program:
  - Castine Wood Bank received \$10,179
  - Downeast Wood Bank (Blue Hill) received \$14,970
  - HOME Inc. Wood Bank (Orland) received \$13,102
- Island Institute Grants
  - Brooksville received a \$10,000 Shore Up Grant to capitalize on its Sea Level Rise fund.
  - \$10,000 Shore Up Grant helped kickstart coordination of Blue Hill Peninsula Tomorrow: part-time coordinator and part-time assistant coordinator.



## Take Home Messages

- We want to help you access funding opportunities to improve your climate resilience.
- Please feel free to reach out to me or any of the grant contacts included in this presentation.
- We welcome you to share your questions, needs, or ideas for future projects. It may help us point you toward grants in the future or advocate for additional funding.
- We appreciate our federal delegations and our state partners and are committed to maximizing the Bipartisan Infrastructure Law and Inflation Reduction Act funding coming to Maine.
- We want to share resources for climate resilience with underserved and underrepresented communities, and those most vulnerable to the impacts of climate change. If you have ideas for how better to do that, please let us know!



# Q&A

**Thank you for listening!**

**Questions?**

**My contact information:**

David Ludwig

Senior Climate Planner

DACF Bureau of Resource Information and Land Use Planning

[David.Ludwig@maine.gov](mailto:David.Ludwig@maine.gov)

207-446-8342

# Thank you! Questions?

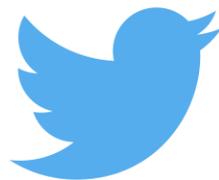
Learn More

@ [MaineWontWait.org](https://MaineWontWait.org)

Follow along  
via:



Newsletter



Twitter



Instagram



Facebook

