

Sustainability & Transportation Committee Agenda

November 13, 2024 at 5:00 PM



MEMBERS

Councilor Regina Phillips, Chair
Councilor Victoria Pelletier, District 2
Councilor Anna Bullett, District 4

The Sustainability and Transportation Committee will conduct this meeting remotely via Zoom. Allow your computer to install the free Zoom app to get the best meeting experience. If you are not able to attend live either in person or via Zoom, a recording will be available in the [Agenda Center](#) following the meeting.

For agenda items open for public comment via Zoom, you will need to use the "raise your hand" feature if you wish to comment. To raise your hand via the telephone, please hit *9. You will be unmuted by the host when it is time for public comment.

<https://portlandmaine-gov.zoom.us/j/87554450883?pwd=djNlY0wrTkNqbQ1bDJQdGNRZmtrdz09>

1. Review and approve minutes from October 9, 2024
 - a. Minutes from October 9, 2024
2. Sustainability Program Updates
This month's updates will be included as part of the annual summary later in the agenda.
3. Presentation and Discussion
 - a. Addressing Climate Vulnerabilities in Portland
Presenters: Troy Moon, Dr. Hannah Baranes, Kevin Denault, Bill Needelman
No public comment will be taken
 - b. 2024 Sustainability and Transportation Committee Accomplishments / Sustainability Office Initiatives
Presenters: Sustainability Office Staff
No Public Comment
4. Other Business

CITY OF PORTLAND, MAINE
Committee on Sustainability and Transportation
Councilor Regina Phillips (D3), Chair
Councilor Victoria Pelletier (D2)
Councilor Anna Bullett (D4)

Draft Minutes October 9, 2024

Members Present: Councilor Phillips, Councilor Bullett, Councilor Pelletier

Staff Present: Troy Moon, Erin Ferrell, Greg Jordan, Mike Murray, Kevin Kraft, Jeremiah Bartlett, Masi Ngidi-Brown

Meeting was called to order.

September 11 Minutes

The September 11, 2024 meeting minutes were approved unanimously.

Sustainability Update

Presented by Troy Moon

Updates were included in the packet and include:

- Announcement of the Home Energy Rebate Program
- Envision Resilience Challenge updates
- Many community engagement events including a Coffee and Climate with Dr Nirav Shah and Park(ing) Day

Councilor Comment on Sustainability Update

Councilor Phillips thanks Sustainability Staff for their recent efforts.

Update on the Development of a Process to review and approve naming of city facilities

Presented by Masi Ngidi-Brown and Greg Jordan

This process is just beginning. The goal is to create a process to guide future requests. Masi and City staff are gathering information from other organizations and municipalities to begin to form a process. A draft process will come back to the committee in the future.

Councilor Comments on the Update on the Development of the Process for Naming City Facilities in Portland

The Councilors thank staff for their efforts and look forward to seeing community engagement involved.

Energy Benchmarking Report

Presented by Erin Ferrell

Portland's Energy Benchmarking Ordinance requires a yearly report to the S&T committee. The report is included in the packets - highlights include:

- Improved compliance and reporting accuracy each year

- Multi-tenant buildings will start reporting in 2026 when whole-building aggregate data is available from the utility.
- Building performance metrics are shared with building owners to encourage efficiency upgrades.

Councilor Comment on Energy Benchmarking Report

The councilors thank staff for their efforts and look forward to the availability of the data access platform to allow multi-tenant buildings to start reporting.

Report on the feasibility study to electrify cruise ship berths

Presented by Troy Moon and CMP staff Meg Sullivan, Jay Chace, Jason Endsley, Chris Morin

Electrifying the ports is part of Portland's climate action plan and this study is just the first step. More and more ports around the country are electrifying and the cruise ship industry is also making this shift. The report is included in the packet and summary includes information on costs of three options to move forward with shore power.

Councilor Comment on the feasibility study to electrify cruise ship berths

Councilor Bullett asks where the power will come from - *it will come from a newly built substation which mirrors the CMP plan but the expedited plan would mean the project customer would be responsible for the cost.* Councilor Bullett asks how other jurisdictions pay for these kinds of projects and if the cruise industry could be a part of it. *Troy mentions that it varies around the country - in Portland, we would encourage the Cruise industry to contribute in some way.* Councilor Bullett notes the importance of the ships being able to use the electrified port before moving forward with an expedited process.

Councilor Phillips asks if this kind of project would include rate increases for rate payers. *If the project is a part of the larger grid investment project, rates would be affected.*

Review proposed lease of space in the Marginal Way Parking Lot for the installation of EV chargers

Presented by Troy Moon

Staff seek support from the Committee members to authorize the City Manager to execute an agreement to lease the Marginal Way Parking Lot space for the installation of EV chargers. If the agreement is approved, Gridweather LLC will provide a monthly payment of \$1,000 for use of the four parking spaces where chargers will be installed. Memo is in the packet.

Public Comment on Marginal Way chargers

No public comment.

Councilor Comment on Marginal Way Chargers

No councilor comment.

Motion to approve the lease in the Marginal Way Parking Lot

Approved unanimously

Vote to approve the lease in the Marginal Way Parking Lot

Approved unanimously

St. Lawrence and Atlantic Rail Corridor: Update the committee on the conclusions of MaineDOT's Portland to Auburn Rail Use Advisory Council (RUAC) and request the committee make a recommendation to the City Council on preferred use(s) for the corridor.

Presented by Greg Jordan, Kevin Kraft, Jeremiah Bartlett, and Mike Murray

City staff reviewed options for the use of the St Lawrence and Atlantic Corridor. Options include converting the corridor to a mixed-use trail and removing the railway infrastructure, converting the corridor to a trail but leaving the rail infrastructure for potential future use, or keeping the infrastructure and looking further into re-establishing rail service. Presentations and memos were included in the packet.

Public Comment on St Lawrence and Atlantic Rail Corridor

15 community members provided public comment during the meeting with many comments sent in writing before the meeting which were included in the packet. Comments during the meeting included one resident opposing the trail and many supporting the trail options.

Council Comments on St Lawrence and Atlantic Rail Corridor

Councilor Pelletier asks for more data on the support for rail to trail or rail with trail. Casco is holding a neighborhood meeting to gather more feedback before making a decision. Councilor Pelletier notes support for keeping the rail tracks and creating a trail but recommends postponing making a decision.

Councilor Bullett requests seeing a list of where the other towns stand in terms of making a decision on this. Also asks if action needs to be taken on this. *Greg Jordan notes that Cumberland chose to postpone making any decision on this topic. A few other towns decided on rail until trail and at least one has recommended rail and trail. There was a recommendation in 2021 to move forward with trail until rail and the committee could stay with that recommendation. It is not necessary to make a decision before the commission makes their decision.*

Councilor Phillips agrees with Councilor Bullett and asks what has changed since the 2021 recommendation and if there needs to be a new recommendation made and if there should be a workshop. *Greg notes that the 2021 recommendation preceded further assessments including the 2023 assessment. Staff wanted to make sure the committee is still approving the 2021 recommendation. A workshop can happen if the committee would like.*

This item will come back to the committee after staff can do more research and provide more details.

Motion to Adjournment

The motion was moved by Councilor Bullett, and seconded by Councilor Phillips

The motion was accepted unanimously.

Meeting Adjourned

Addressing Climate Vulnerabilities in Portland: Progress and Future Actions



Sustainability and Transportation Committee
November 13, 2024

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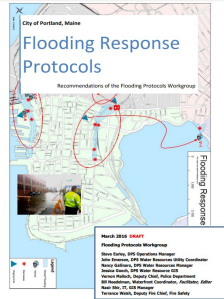
Maine Climate Council Updates - Hannah Baranes, PhD, Research Scientist,
Gulf of Maine Research Institute

Resilience Working Group Introduction - Troy Moon, Sustainability Director,
Kevin Deneault, GIS Mapping Specialist,

Ongoing Waterfront Actions to date on Climate Resilience, Bill Needelman,
Waterfront Coordinator

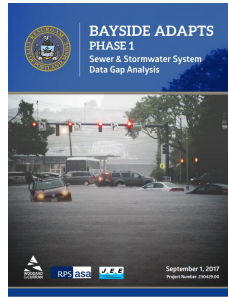
Next Steps – Troy Moon and Bill Needelman

Recent Actions



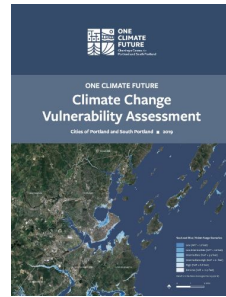
**Flooding
Response
Protocols**

2016



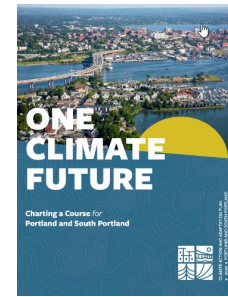
**Bayside
Adapts**

2017



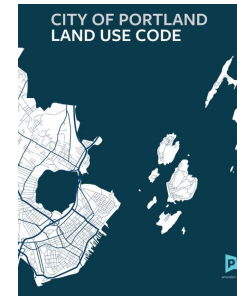
**Climate
Change
Vulnerability
Assessment**

2019



**One Climate
Future
Climate
Action Plan**

2020



**Recode
Portland's
Resilience
Overlay Zoning**

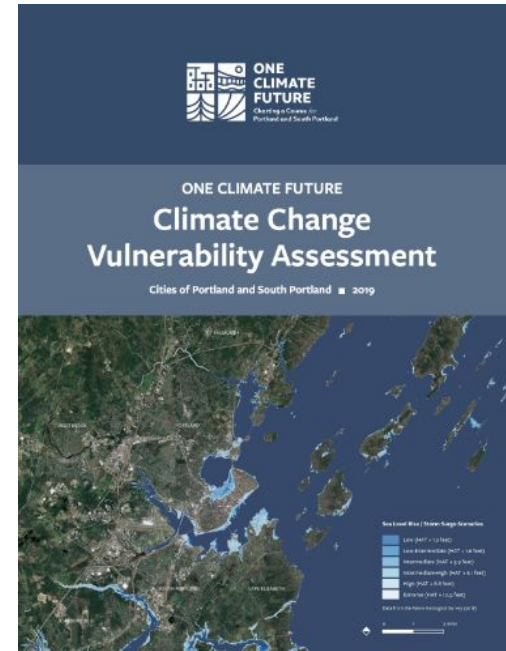
2023

City thinking and actions on Climate Resilience go back as far as 2005

Vulnerabilities in Portland

www.oneclimatefuture.org/reports

- Coastal sewer/stormwater systems: vulnerable to storms, sea level rise, pipe damage, saltwater infiltration, electrical pump failure.
- Sea level rise/extreme storms: damage buildings, decrease property values.
- Extreme storms: power outages, disrupt transportation/communication/water systems, economic losses.
- Sea level rise/storm surge: flood roads, trails, piers and I-295.

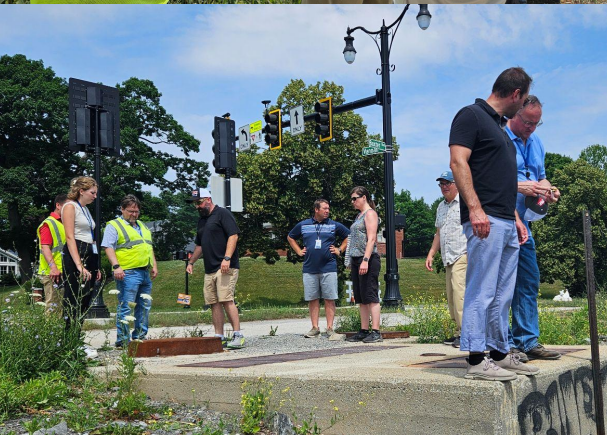


Resilience Working Group



Focused on public infrastructure

Working Group Members



Sustainability Office

Troy Moon, Sustainability Director

Kayley Weeks, Sustainability Fellow

Planning and Development

Nell Donaldson, Director of Special Projects

Zach Powell, Senior Planner

Natasha Kypfer, Senior Planner

Housing and Economic Development

Bill Needelman, Waterfront Coordinator

Department of Public Works

Keith Gray, Engineering Manager

Bill Boornazian, Water Resources Manager

Kevin Deneault, GIS Mapping Specialist

Jeremiah Bartlett, Transportation System Engineer

PARKS, REC, & FACILITIES

Rob Kierstead, Director of Public Buildings

Alex Marshall, Parks Director

Fire Department

Caity Hager, Emergency Management Coordinator

Project Scope

The scope of the project aims to identify and assess risks to **City-Owned** infrastructure from climate-related hazards. Overall, this will help City officials prioritize **City** resources and investments for resilient solutions based on a vulnerability matrix and overall costs.



Expectations

- Assess **City Owned** Infrastructure Capacity
 - Inform Decision-Making and Resource Allocation
 - Prioritize Actions and Investment Recommendations
 - Inform Infrastructure Planning
 - Share Knowledge and Develop Resources
 - Communicate with City Officials
 - Build Expertise in Flood Risk and Adaptation
 - Coordinate with regulators and other stakeholders
- Do Not Expect**

 - Assessing **Privately Owned** Infrastructure

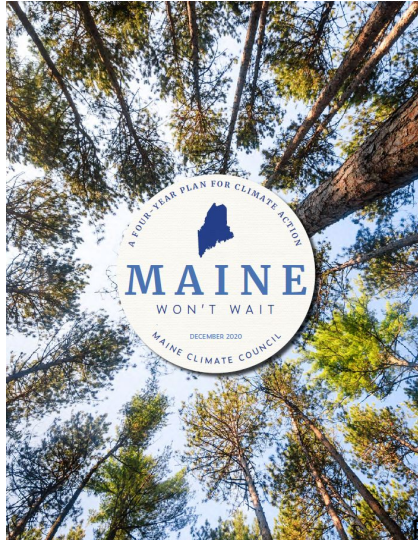
Maine Climate Council Scientific and Technical Subcommittee

2020

Scientific Assessment of Climate Change and Its Effects in Maine



MAINE CLIMATE COUNCIL
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE



Scientific Assessment of Climate Change and Its Effects in Maine



MAINE CLIMATE COUNCIL
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE



2024 Maine Climate Action Plan

(under review)

Maine Climate Council

Scientific and Technical Subcommittee

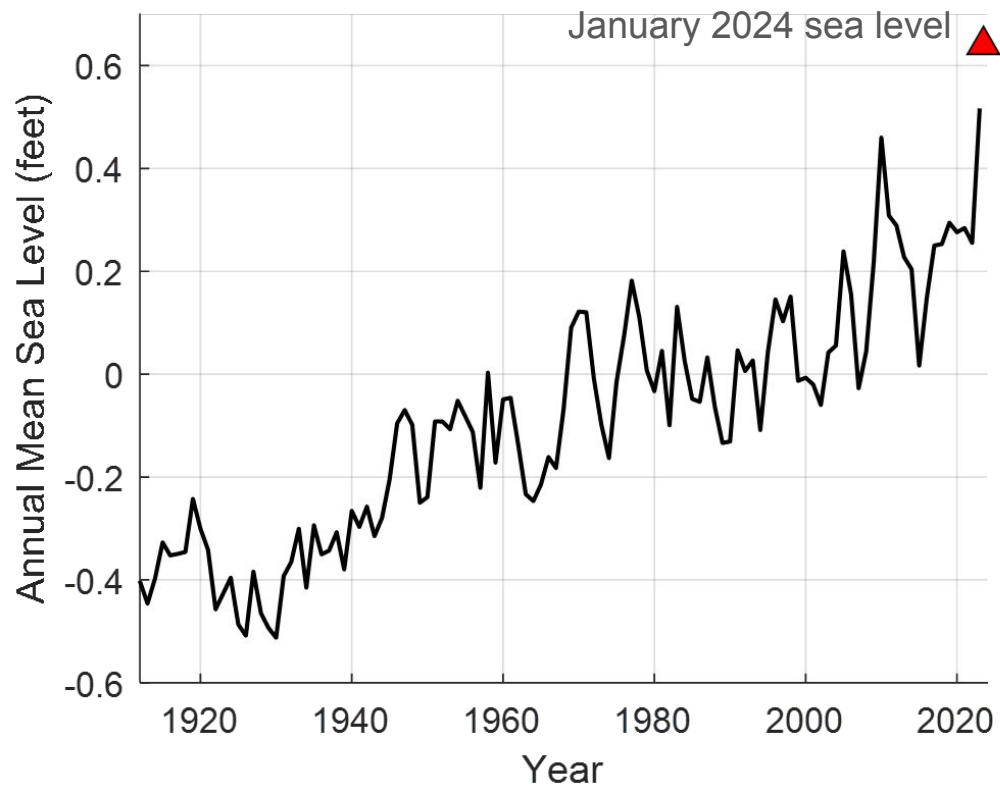
Scientific Assessment of Climate Change and Its Effects in Maine



MAINE CLIMATE COUNCIL
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE

- Sea level rise and coastal storms
- Increase in high-intensity precipitation
- Rising temperatures / decline in snow and ice
- Marine species migration
- Human dimensions (e.g. health, housing & food security)
- Climate resilience

Measured sea level rise ~8 inches in 100 years

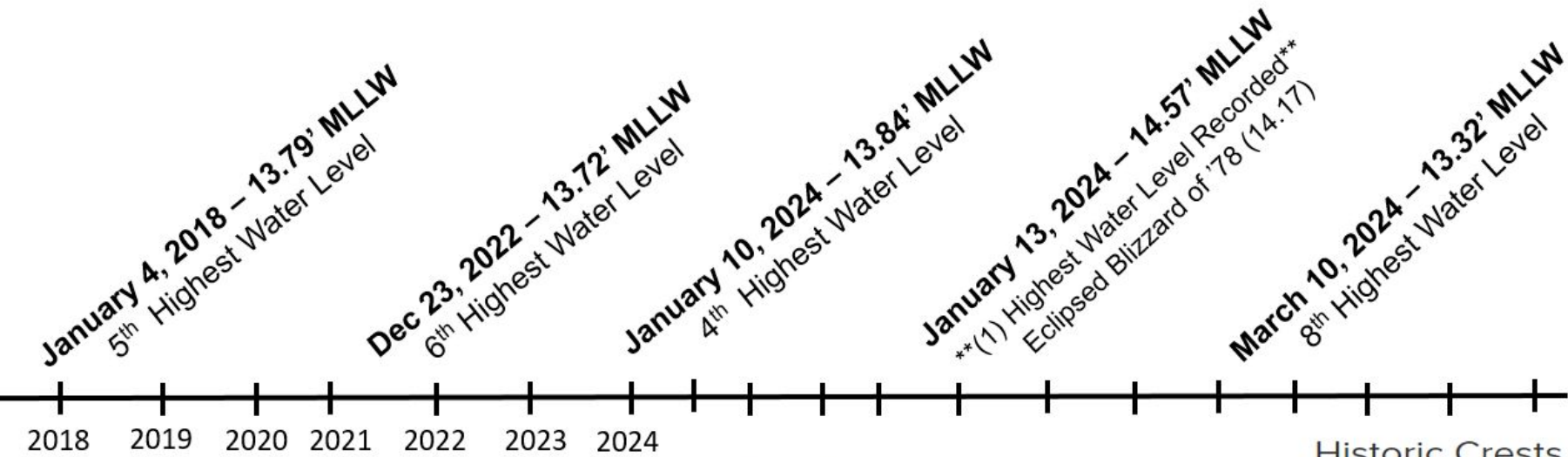


**Portland tide gauge
1910-present**





Historic Flood Events



Historic Crests

1. 14.57 ft on 01-13-2024
2. 14.17 ft on 02-07-1978 ¹
3. 13.98 ft on 01-09-1978
4. 13.84 ft on 01-10-2024
5. 13.79 ft on 01-04-2018
6. 13.72 ft on 12-23-2022
7. 13.40 ft on 12-04-1990
8. 13.32 ft on 03-10-2024 (P)
9. 13.31 ft on 03-16-1976
10. 13.29 ft on 11-20-1945

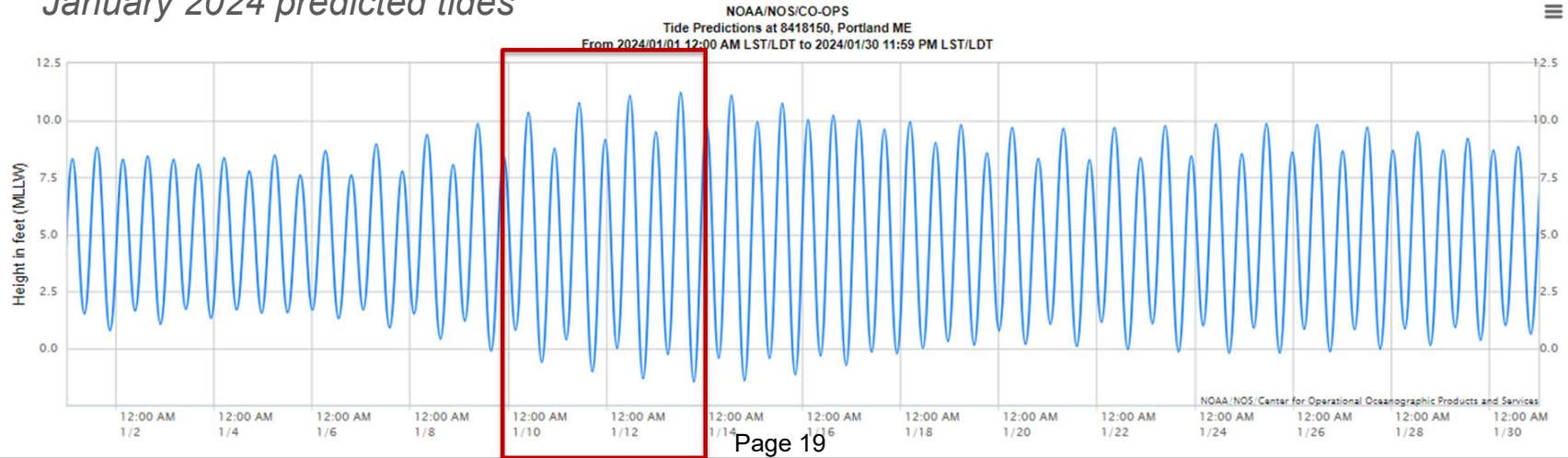
****5 out of the top 10 of highest water levels ever recorded in Portland have occurred in the last 6 years****

January 10 & 13, 2024 Flood Events

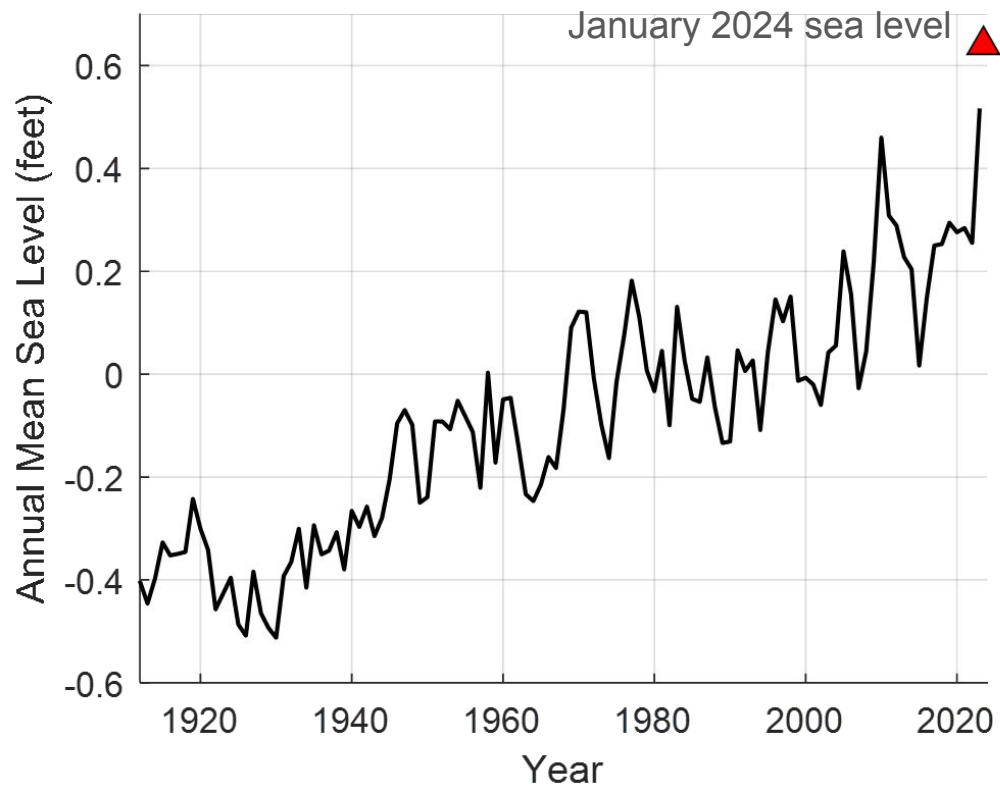
The storms themselves were not record-breaking; rather they aligned with high tides and the highest sea level ever recorded.

If sea level were constant through time, there would be 30 floods similar to January 10 and 1 other flood similar to January 13 (Blizzard of '78) .

January 2024 predicted tides



Measured sea level rise ~8 inches in 100 years

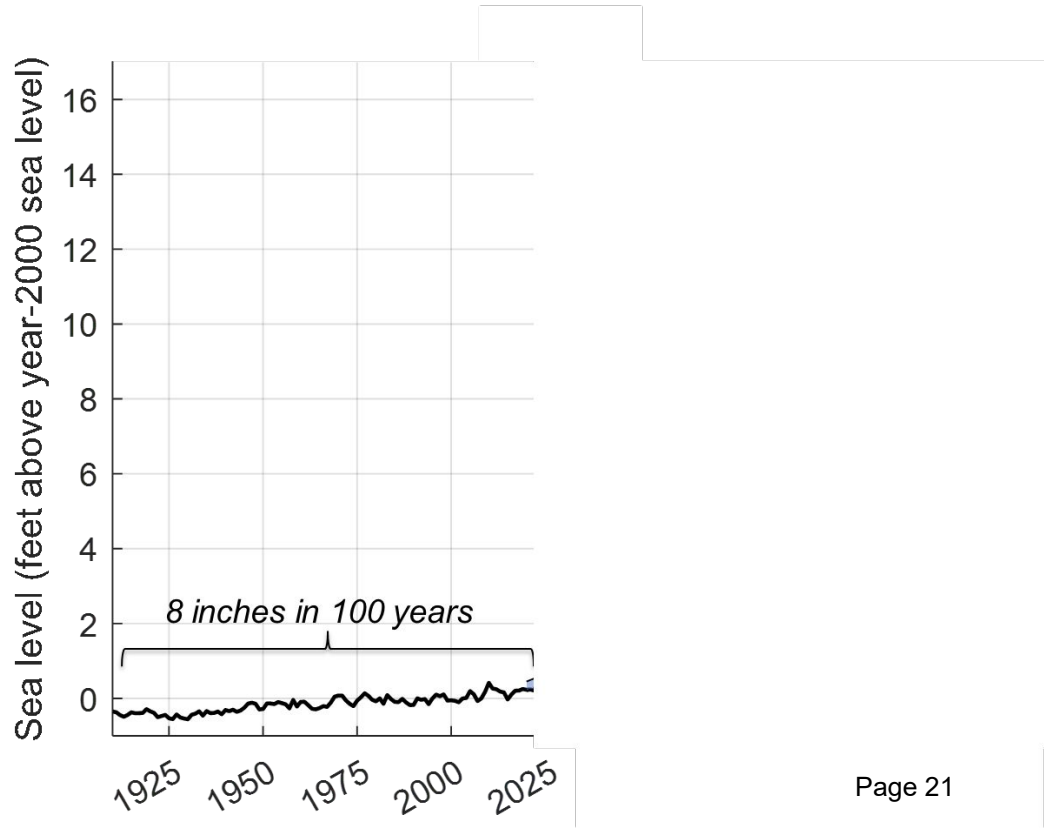


**Portland tide gauge
1910-present**



Projected Sea Level Rise

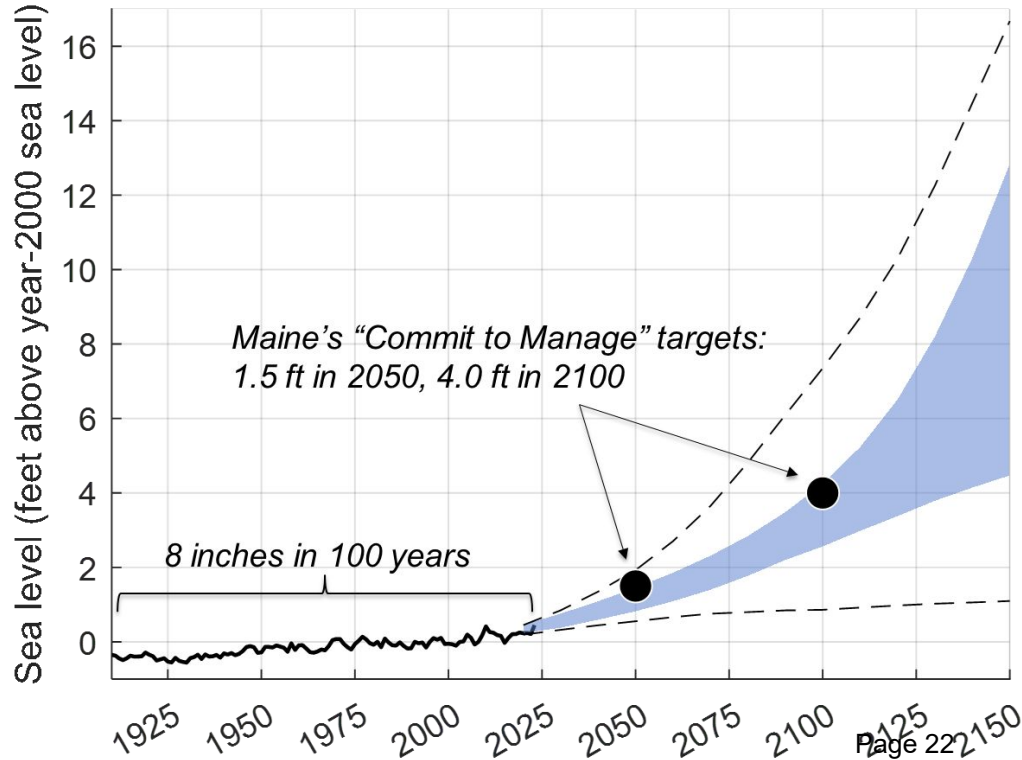
— Measured sea level



Projected Sea Level Rise

— Measured sea level Range of modeled future sea level for Maine's adopted scenario*

Portland

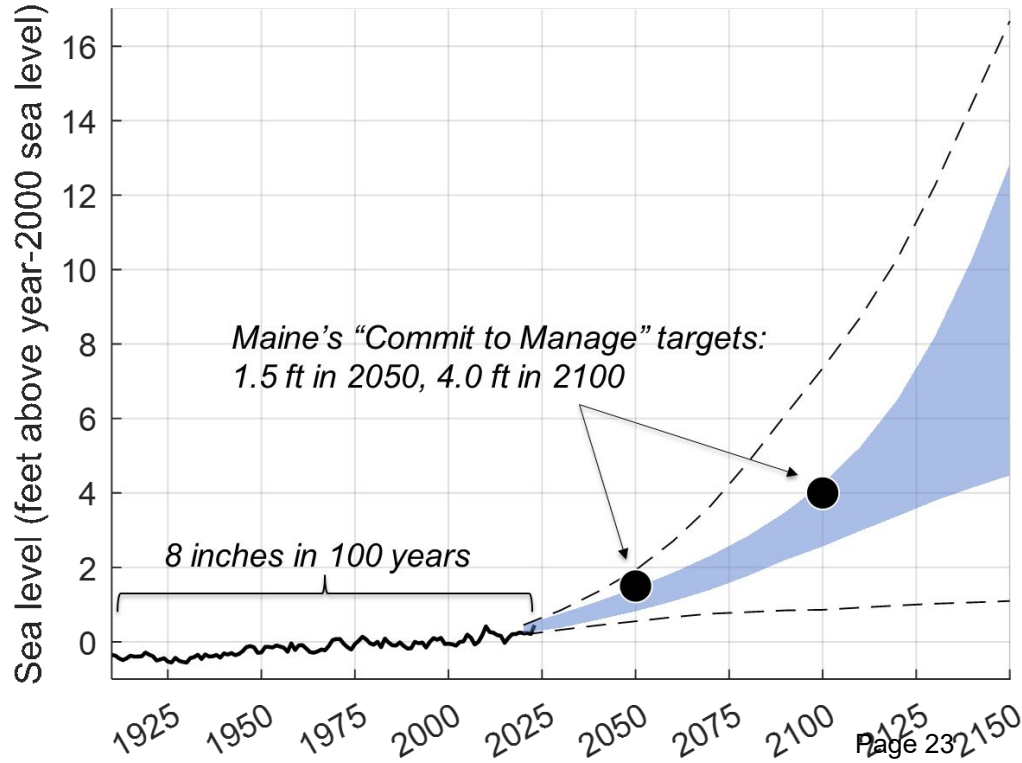


*US Interagency Task Force Intermediate Scenario
(Sweet et al., 2022)

Projected Sea Level Rise

— Measured sea level Range of modeled future sea level for Maine's adopted scenario*

Portland



Regulatory Implications

Public Law Ch. 67: Seven state agencies to incorporate “commit to manage” scenarios into laws and rules

Commit to manage the Intermediate sea level rise scenario (regulatory implications)

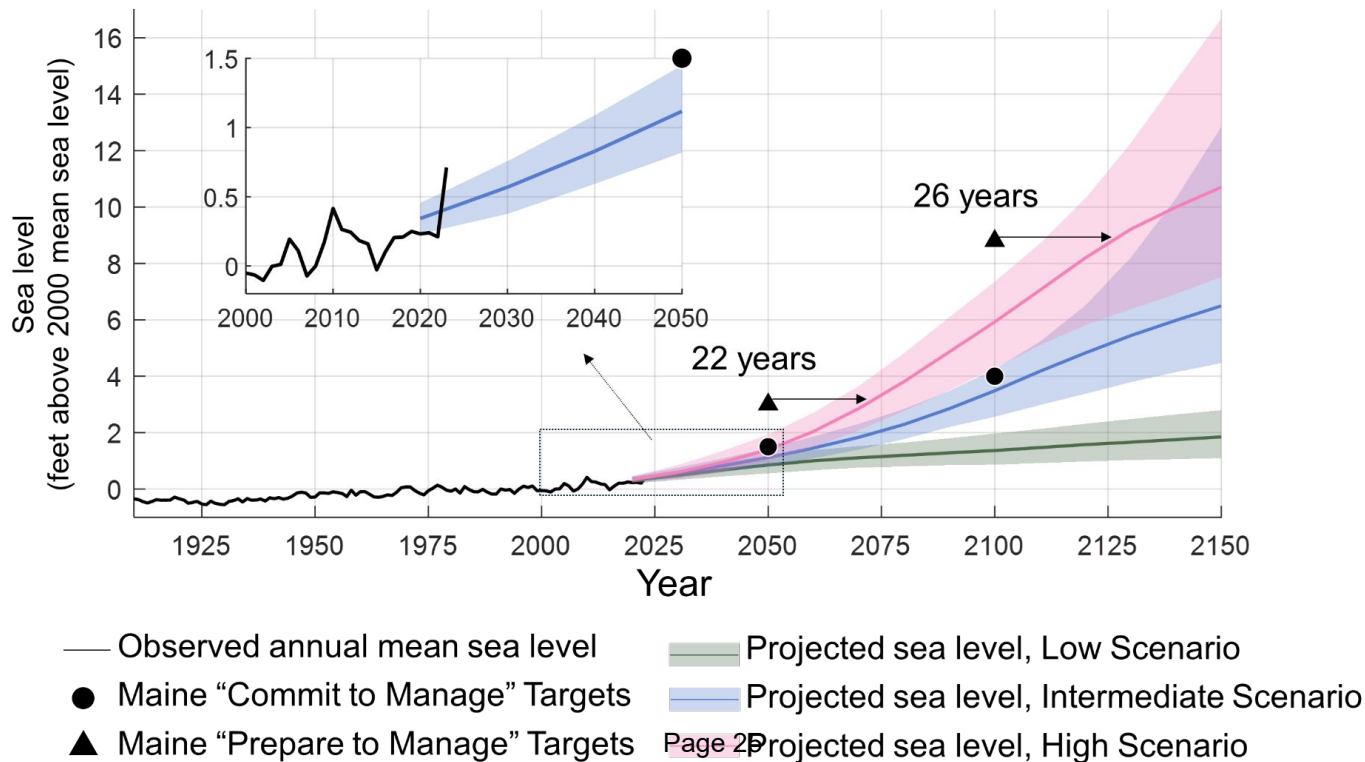
Prepare to manage the High sea level rise scenario (no regulatory implications)

Key points:

- The amount of sea level rise associated with the Intermediate and High scenarios will change as science progresses
- The 2020 STS report was based on 2017 sea level scenarios (Sweet et al., 2017), and the 2024 STS report is based on updated 2022 sea level scenarios (Sweet et al. (2022))
- The new scenarios are lower because updated models show the onset of rapid ice melt beginning ~2 decades later than previously thought

“Commit to manage 1.5 ft in 2050, 3.9 ft in 2100”: based on old (2017) Intermediate scenario; within statistically likely range of updated Intermediate scenario

“Prepare to manage 3 ft in 2050, 8.8 ft in 2100”: based on old (2017) High scenario; occurs ~2 decades later in updated High scenario

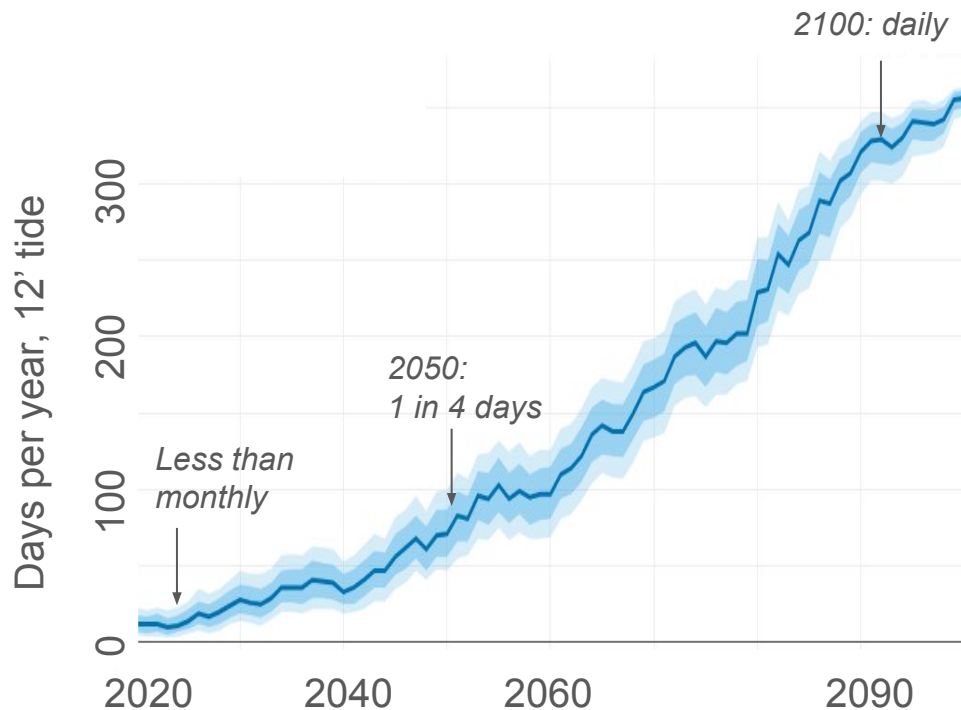


“Sunny Day” Flood Frequency

sealevel.nasa.gov/flooding-analysis-tool



September 20, 2022 –12.07' MLLW tide

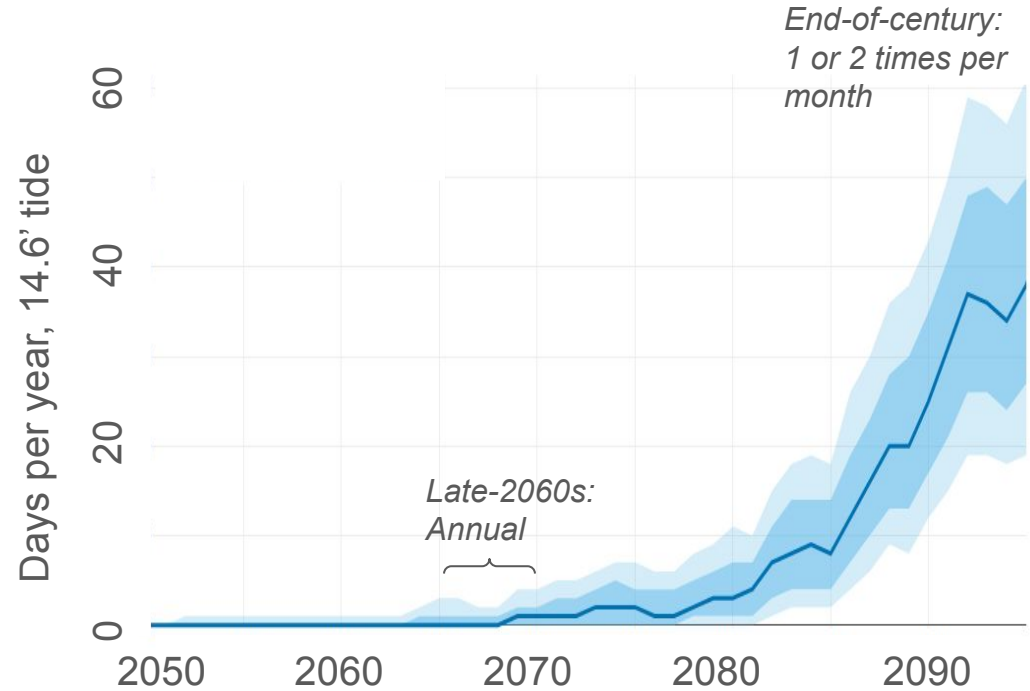


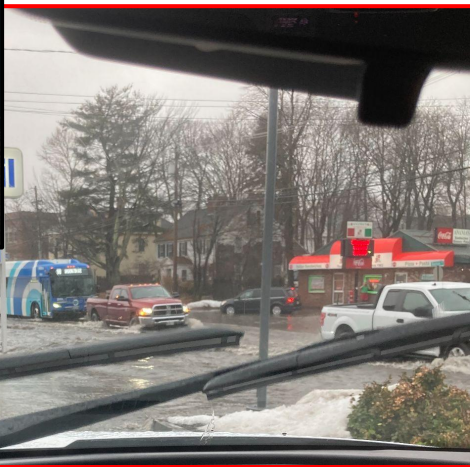
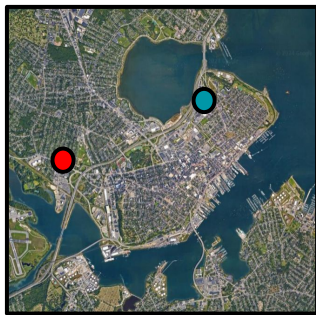
Severe Flood Frequency

sealevel.nasa.gov/flooding-analysis-tool

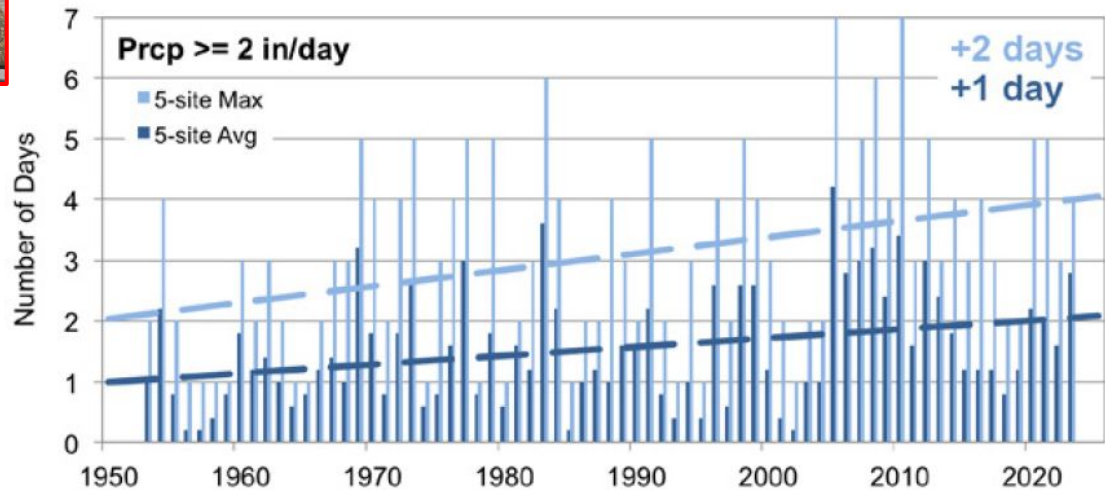


January 13, 2024 -14.57' MLLW





STS Report: Increasing trend in annual precipitation and 1" to 3" events



Storm Damage & Response



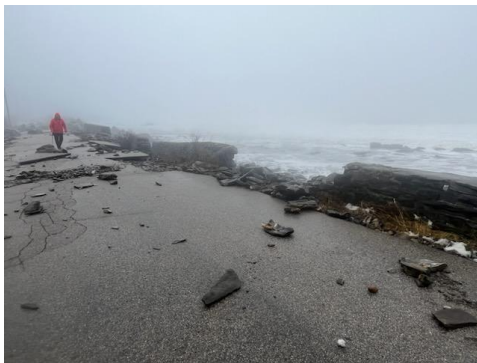
Peaks Island
Seashore Ave



Great Diamond
Island Causeway



Wharfs | Shoreline Edge





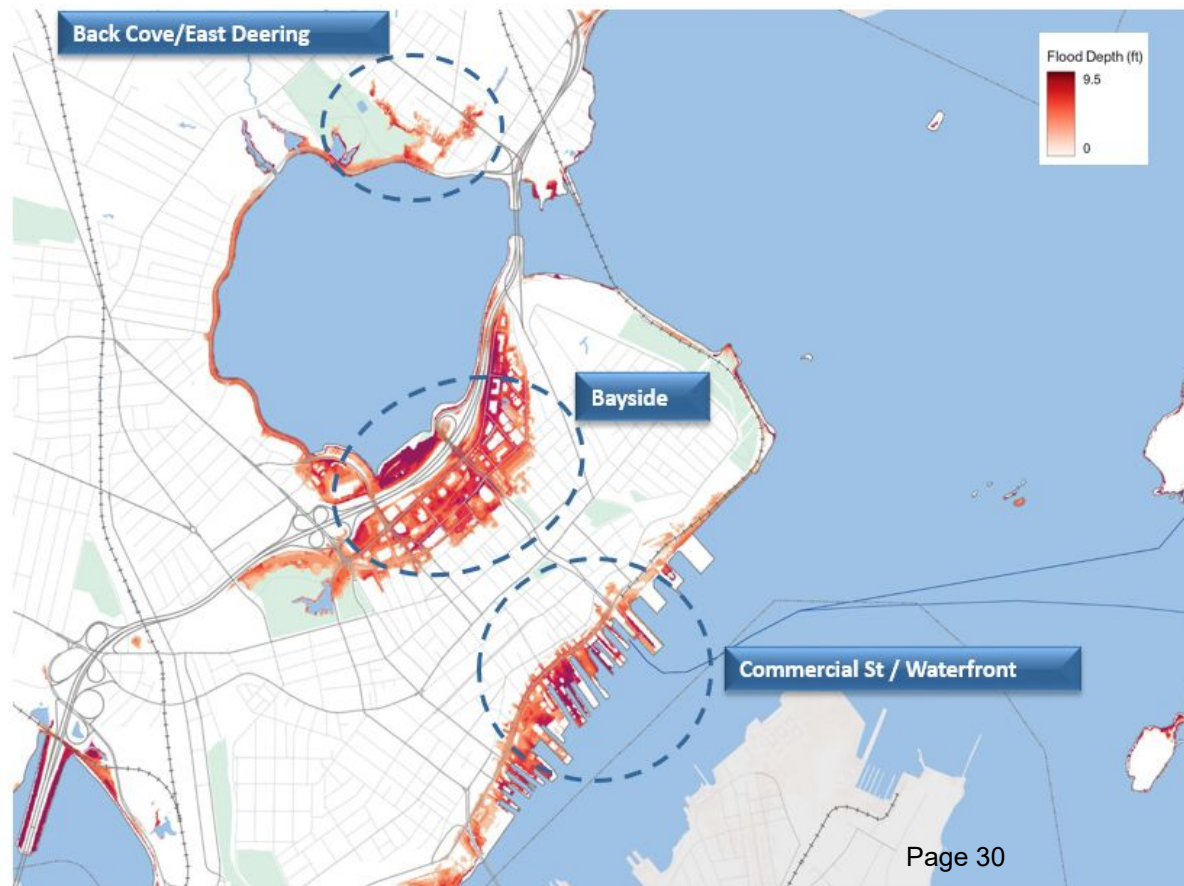
Portland Hydrodynamic Model Maine Silver Jackets



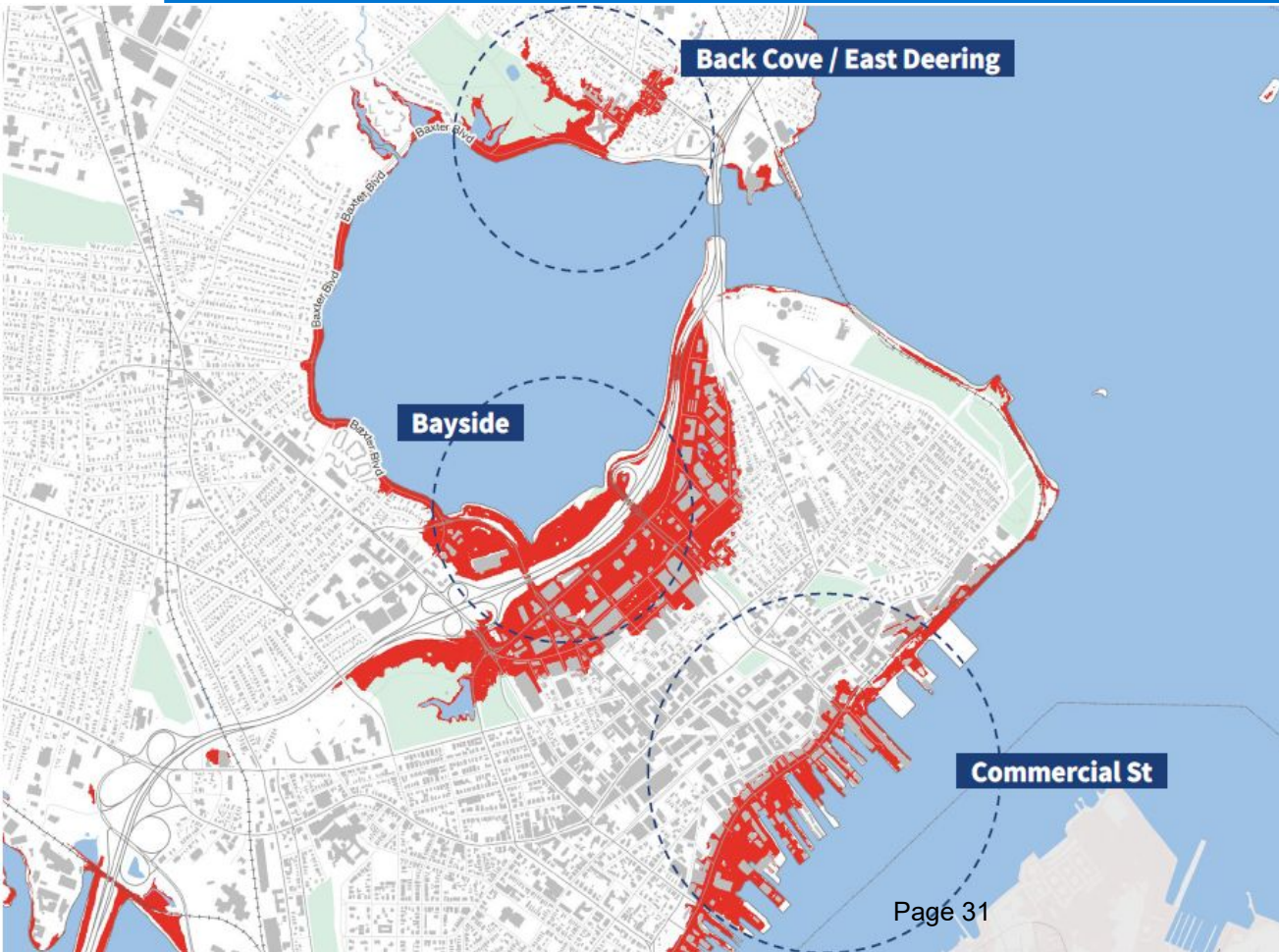
FEMA

Objectives

- Provide Maine coastal communities with future dynamic floodplain maps that include sea level rise and storm surge
- Overlay buildings and infrastructure footprints to facilitate climate-resilient planning.



Hydrodynamic Model



- The foundation for the Coastal Flood Resilience Overlay Zone (CFROZ)
- The CFROZ is underlying basis for ReCode recently approved by City Council
- The H&M Model is based off the State of Maine “Maine Won’t Wait” and City of Portland’s One Climate Future...“Commit to Manage” Scenario
- The Modeled Scenario incorporates 100 yr Storm (1%) with 3.9ft of Sea Level Rise



The Infrastructure Resilience Matrix Model

City of Portland's Next Steps...

- Development of an Infrastructure Resilience Matrix Model
 1. Identify and assess all City-Owned critical infrastructure based on climate/natural hazards
 2. Incorporate a risk score based on the infrastructures overall risk and vulnerability as well as its parcel, land, and structural value.



Peaks Island, Little & Great Diamond Islands



Cliff Island



Critical Infrastructure 8/23/2024



Roads Inundated 100 Yr. Storm w/3.9ft of SLR for 2100



Portland Hydrodynamic Model – 100 Yr. Storm w/3.9ft SLR for 2100



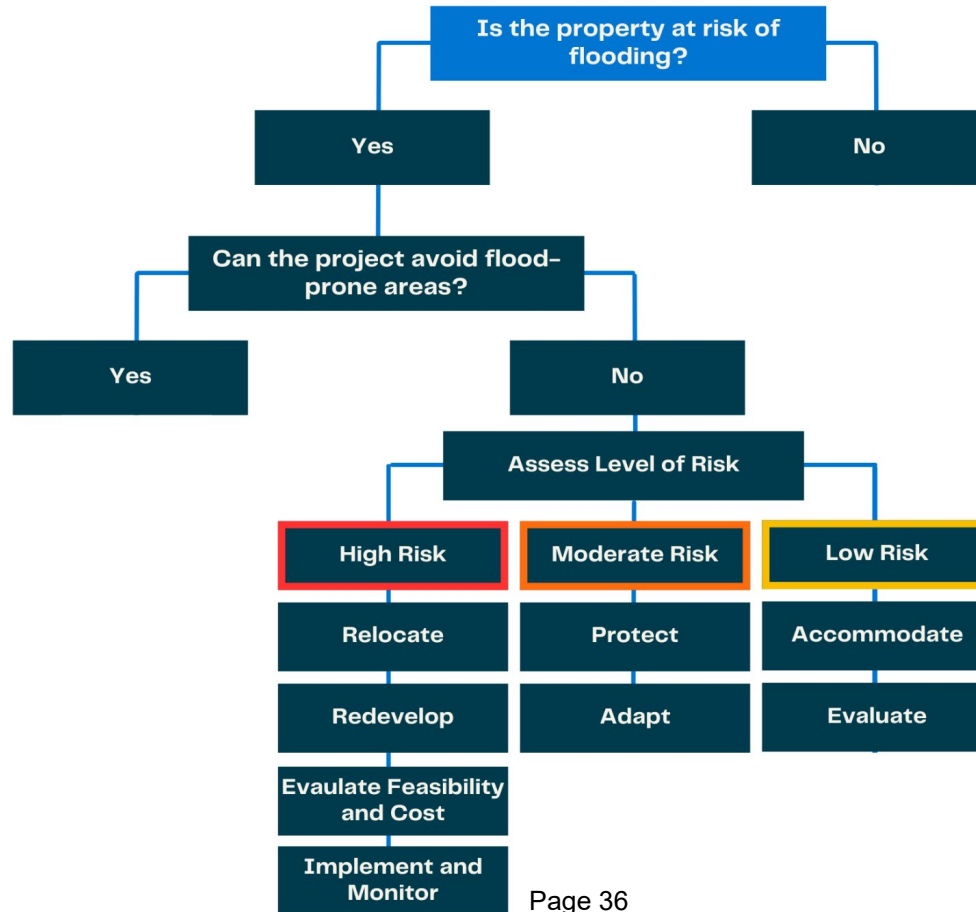


Infrastructure Resilience Matrix Model Cont..

Type	Entity	Parcel_ID	Owner	Address	Special Flood...	FEMA 500 Flood Zone	Base Flood Elevation	Design Flood Elevation
Building	PORTLAND CITY HALL	027 C012001	CITY OF PORTLAND	389 CONGRESS ST	No	No	0	0
Building	UNITED STATES CUSTOMS HOUSE	029 G001001	DEPARTMENT OF HOMELAND SEC...	99 COMMERCIAL ST	No	No	0	13
Building	UNITED STATES DISTRICT COURT	028 E001001	UNITED STATES DISTRICT ATTORNEY	168 FEDERAL ST	No	No	0	0
Building	CUMBERLAND COUNTY COURTHOUSE	028 F001001	CUMBERLAND COUNTY	142 FEDERAL ST	No	No	0	0
Building	MAINE DISTRICT COURT	028 F001001	STATE OF MAINE JUDICIAL BRANCH	142 FEDERAL ST	No	No	0	0
Building	BUREAU OF MOTOR VEHICLES	425 A002001	125 PRESUMPCOT SPE LLC & PRES...	125 PRESUMPCOT ST	No	No	0	0
Building	PORTLAND PUBLIC WORKS ADMINISTRA...	148 A007001	CITY OF PORTLAND	212 CANCOP RD	No	No	0	0
Building	PORTLAND PUBLIC WORKS OPERATIONS	148 A008001	CITY OF PORTLAND	250 CANCOP RD	No	No	0	0
Building	PORTLAND PARKS AND RECREATION	148 A007001	CITY OF PORTLAND	212 CANCOP RD	No	No	0	0
Building	PORTLAND PUBLIC SCHOOLS	033 K001001	CITY OF PORTLAND	351 CUMBERLAND AVE	No	No	0	0
Building	HEALTH AND HUMAN SERVICES	033 G002001	CITY OF PORTLAND	82 HANOVER ST	No	No	0	0
Building	CASCO BAY LINES FERRY TERMINAL	444 A001001	CITY OF PORTLAND	54 COMMERCIAL ST	Yes	Yes	9	0
Building	PORTLAND TRANSPORTATION CENTER	072 A001901	LANGDON STREET REAL ESTATE INC	100 SEAWALL ST	No	Yes	0	0
Building	PEAKS ISLAND FERRY TERMINAL	084 R023001	MAINE PORT AUTHORITY	WELCH ST	Yes	No	18	0
Building	LITTLE DIAMOND FERRY TERMINAL	105 Q027001	MAINE PORT AUTHORITY	FESSENDEN AVE	Yes	No	12	0
Building	LITTLE DIAMOND FERRY TERMINAL	083C A010001	MAINE PORT AUTHORITY	1 NANCY LN	Yes	No	12	0
Building	DIAMOND COVE FERRY TERMINAL	083B M001001	MAINE PORT AUTHORITY	78 MCKINLEY CT	Yes	No	19	0
Building	PORTLAND INTERNATIONAL AIRPORT	148 A007001	UNITED STATES DEPARTMENT OF TR...	947 WESTBROOK ST	No	Yes	0	0
Building	OCEAN GATEWAY CRUISE TERMINAL	444 A003001	CITY OF PORTLAND	6 COMMERCIAL ST	Yes	No	13	0
Building	CLIFF ISLAND FERRY TERMINAL	109B A010001	STATE OF MAINE	WHARF RD	Yes	No	13	0
Building	HANNAFORD	034A C001001	HANNAFORD BROS CO	295 FOREST AVE	No	Yes	12	13
Building	TRADER JOE'S	034 D007001	87 MARGINAL WAY LLC	87 MARGINAL WAY	No	Yes	12	13
Building	WHOLE FOODS	024 D001001	FRANKLIN & SOMERSET PORTLAND...	191 PEARL ST	No	Yes	12	13
Building	PORTLAND FOOD CO-OP	028 D003001	ROMAN CATHOLIC BISHOP OF POR...	290 CONGRESS ST	No	No	0	0
Building	SAVE A LOT	064 A001001	MMC REALTY CORP	966 CONGRESS ST	No	No	0	0
Building	SHAW'S	375 C001001	A & D REALTY LLC	91 AUBURN ST	No	No	0	0
Building	SHAW'S	191 B019001	CP WESTGATE LLC	1372 CONGRESS ST	No	Yes	0	0

- The database will represent the foundation of the Infrastructure Resilience Matrix Model to identify all City-Owned Critical infrastructure so city officials can prioritize city resources and investments to implement resilient solutions.

Infrastructure Resilience Matrix Model Cont..



Infrastructure Resilience Matrix Model Cont..



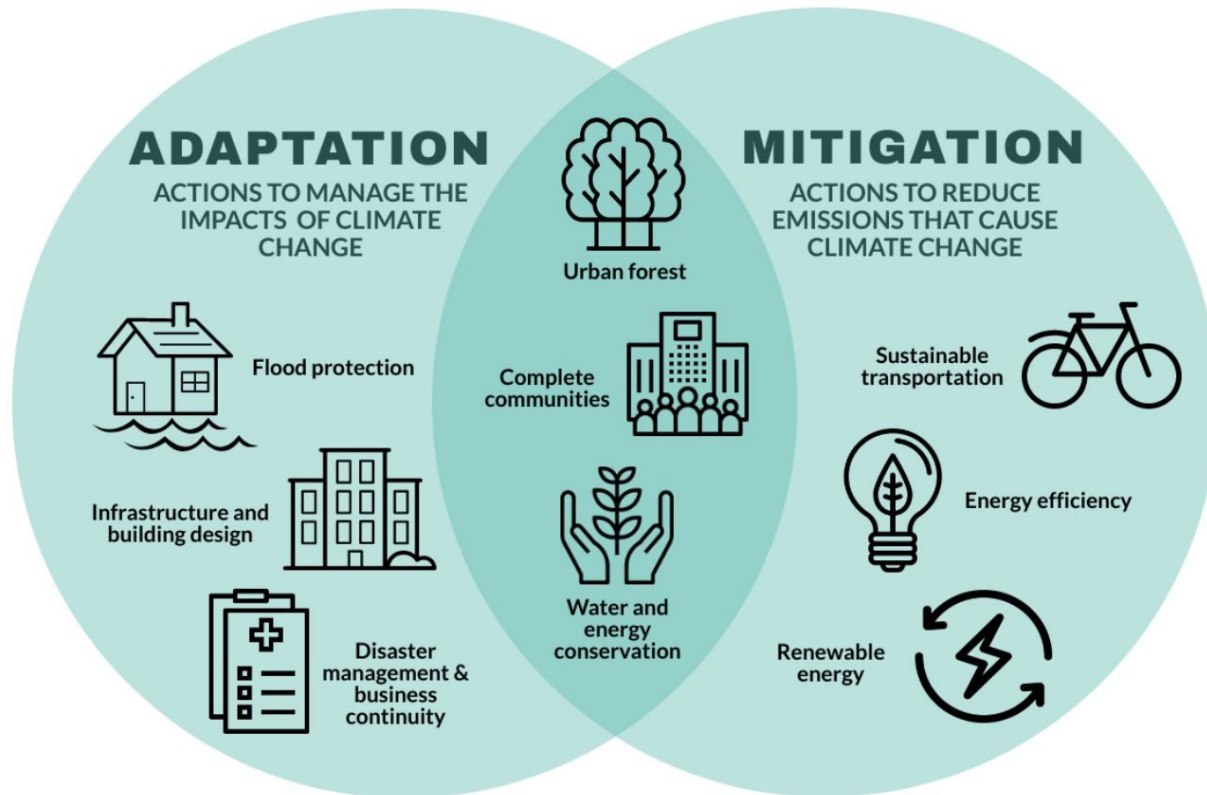
Property at Risk

Options:

- Avoid
- Accommodate
- Adapt
- Protect
- Relocate
- Redevelop

**Conversation
Collaboration
Hard Decisions**

Integrated Approach





Nature-based solutions



Islands

Living Shoreline

Hybrid infrastructure



Back Cove

Combo of Vegetation &
Riprap Stabilization

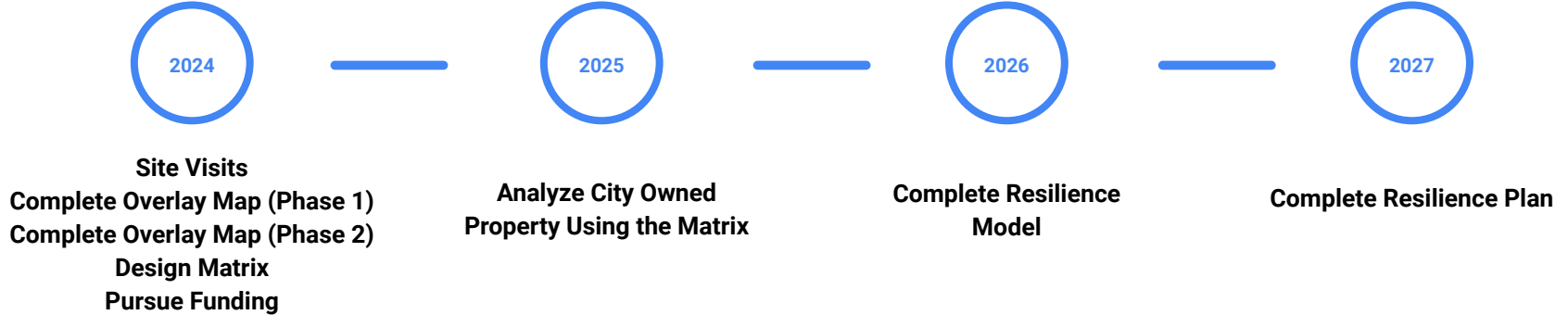
Gray infrastructure



Portland Waterfront

Seawall

Project Timeline



May be compressed depending on consultant availability and funding

Potential Outcomes

- Coordinated capital budgeting to integrate sea level rise and resilience goals
- Improved interdepartmental collaboration on vulnerabilities
- Identified and mapped at-risk City-owned infrastructure to prioritize resilience measures
- A structured approach for securing funding and resources for resilience projects
- Addressed infrastructure vulnerabilities in conjunction with socioeconomic and equity concerns to ensure inclusive resilience efforts

Ongoing Waterfront Actions to date on Climate Resilience

In addition to work with the **Resiliency Work Group**, City staff continues to work on waterfront/climate related initiatives:

- At local, regional, state, and national levels
- With public and private partners



City Initiatives to promote a Resilient Waterfront

- Contribute to the **Recode** Process and the Climate Resiliency Overlay
- Support a low carbon food system through **fisheries and seafood** promotion



Regional Initiatives

- Participate in GPCOG's Casco Bay **Erodible Bluffs** initiative

Community installed living shoreline at Little Diamond Island



State Waterfront Resilience Initiatives

- Membership and active contribution to the **Maine Climate Council** Marine and Coastal Work Group
- Partnership in the Maine **Regional Resilience Challenge** grant
- Sponsor **Maine Working Waterfront Resilience Grants** to 4 Portland Pier owners - **\$7Million**
- Membership in the **Maine Offshore Wind Roadmap** and the **Offshore Wind Research Consortium**



National Initiatives

- Present on resilience and working waterfront preservation issues to national audiences at National Working Waterfront Network events



Private Partnerships working toward Waterfront Resilience

- Provide leadership and content to **Waterfront Alliance** for Portland Harbor
- Partner with **GMRI** on multiple initiatives - including ongoing **MOU** discussion on climate change adaptation
- Engage with **pier and property owners** through ad hoc processes such as the **Waterfront Working Group**



Working Waterfront Preservation - Portland's Unique Contribution

- Portland's 37 year experiment in Working Waterfront Preservation provides our greatest success and clearest pathway toward resilience
- The workers and property managers in Maine's Working Waterfront experience 9 to 12 feet of sea level rise twice daily



Collaboration with Partners

GMRI, GPCOG, South Portland, Island Institute, Waterfront Alliance,



State and Federal Agencies, and more

Sustainable Neighborhoods



VOLUNTEERS NEEDED

RAISED BED BUILDING WORKSHOPS AT
PORTLAND COMMUNITY GARDENS

UPCOMING WORKSHOPS



AUGUST 8
EAST END
COMMUNITY SCHOOL



Hands-on
instruction on how
to build and
maintain raised
garden beds



AUGUST 22
BOYD STREET
YOUTH GARDEN



Meet neighbors
and fellow
gardeners

SEPTEMBER 7
PAYSON PARK
COMMUNITY GARDEN

Build additional
growing spaces
in your local
community garden

ALL ARE WELCOME

These are drop-in events. Come for as long as you'd like. Whether you are an experienced gardener or just starting, these workshops are designed to be informative and enjoyable for everyone.

Gloves, tools,
snacks, and water
will be provided



LEARN MORE AT

portlandmaine.gov/SustainableNeighborhoods
207-874-8872



Next Steps

- Apply for upcoming Community Resilience Partnership Grant to support RWG and Resilience Plan development
- Collaborate with Island Institute on grant application for resilience work with island neighborhoods
- Organize Waterfront Resilience Summit for waterfront stakeholders
- Ongoing engagement with Waterfront Alliance
- Ongoing community engagement
- Intentional, ongoing cross departmental collaboration in City government.

Questions?



This is One Climate Future.



sustainability
office



ONE
CLIMATE
FUTURE

Charting a Course for
Portland and South Portland

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CITY OF
**SOUTH
PORTLAND**
Sustainability



Sustainability Office
City of Portland

November 13, 2024

Sustainability & Transportation Committee

Goal: Establish a climate action fund to advance implementation of One Climate Future

Action: The S&T Committee and the Finance Committee recommended passage. Council workshop held on Sept. 23. Council vote on November 18.

Goal: Investigate resilience strategies

Action: Staff provided a presentation about the City's Climate Vulnerability Assessment during the January meeting, including elements about coastal flooding related to sea level rise. Further discussion is planned during the November meeting to include an update on staff efforts to develop a Resilience Plan for City infrastructure.

Goal: Advance the conversion of State Street and High Street to two way traffic

Action: Following staff presentations during two meetings, the Committee recommended the two way conversion move forward. City Council voted to move forward with the conversion on October 7.



Sustainability & Transportation Committee

Goal: Evaluate approaches to address public concern with the coal pile on Cassidy Point

Action: The Maine DEP attended the May meeting to share actions they have taken to alleviate the issue of dust leaving their site and impacting neighboring homes and businesses. Councilor Phillips has met with Corporation Counsel to investigate options. Corporation Counsel is reviewing.

Goal: Review ongoing work on the Climate Resilience Overlay Zones

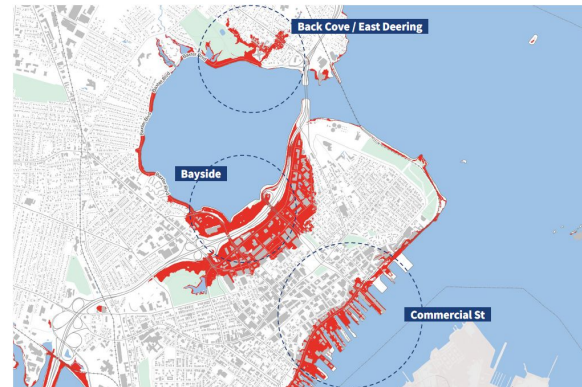
Action: Planning and Urban Development Director Christine Grimando and Nell Donaldson made a presentation about this. CROZs are incorporated into ReCode, which was adopted by the City Council on November 5.

Goal: Work to advance the Franklin St. redesign project

Action: The Committee recommended that the Council fund the local match for a large planning grant.

Goal: Examine opportunities to promote bike/ped/transit opportunities

Action: The Committee discussed bike/ped improvements transportation as part of the State & High conversion.



Sustainability & Transportation Committee

S&T Council Committee also accomplished

- BirdSafe Ordinance
- Monument Square Parking and Commercial Loading Plan
- PACTS Rapid Transit Study
- Downtown Worker Parking Program
- Stormwater and LID Amendments



2024 Projects and Initiatives



Resilience Working Group



- Collaborate with other departments and external stakeholders to identify and assess risks to City-owned infrastructure → model for prioritizing action
- Community science and engagement

Sustainable Neighborhoods Program

- Social infrastructure is as important as our physical infrastructure
- The Sustainable Neighborhoods Program supports opportunities for neighbors to connect and collaborate to build community resilience

Knowing Your Neighbors Could Save You From The Next Climate Disaster

Across the country, people are increasingly relying on mutual aid – cooperative assistance adherents describe as “solidarity, not charity” – to get through climate-related disasters.

YVONNE MARQUEZ DECEMBER 9, 2022

[SHARE](#) ▼



Sustainable Neighborhoods Program in 2024



9 block parties, a neighborhood seed swap, neighborhood cider pressing event, Resurgam festival

5 clean ups and Portland Picks Up



Block party kit = cornhole, kids hula hoops, ring toss, big jenga, sidewalk chalk, name tags, bubbles, and City of Portland purple trash bags

Community Garden Rebuild Project



East End Community School
learning garden

Boyd Street Youth Garden

Payson Park Community Garden

63 community volunteers +
City staff and Cultivating
Community staff

Community Garden Rebuild Project



Energy Efficiency Outreach

Continuous outreach around

- Beneficial electrification
- Weatherization
- Energy efficiency
- Federal, state, and local resources



61 people received rebates (as of Nov 7)



Increased engagement with building owners who benchmark

Energy Projects

EMISSIONS BY SECTOR

34% COMMERCIAL BUILDINGS

22% RESIDENTIAL BUILDINGS

0.3% WASTEWATER

3% SOLID WASTE

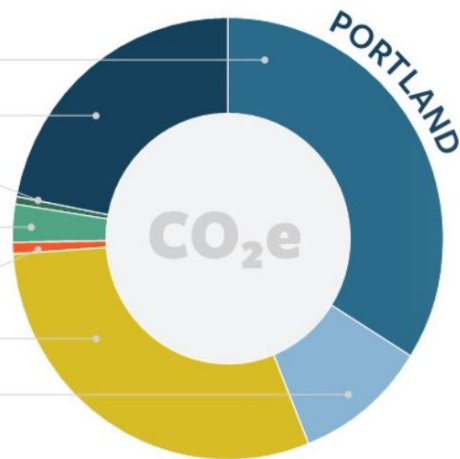
0.8% WATERBORNE TRANSPORTATION

30% ON-ROAD TRANSPORTATION

10% INDUSTRIAL BUILDINGS

840,419 MTCO₂e

OF GREENHOUSE GASES EMITTED IN 2017



EV Charging Deployment and Municipal Fleet

- Charging hubs
- NEVI chargers to come
- Electric trash truck
- Fleet Electrification Strategy



Sustainable Landcare and Waste Reduction



Community Engagement



Community Engagement

Jan - Nov 2024

- 12 Coffee and Climate events and newsletters (3 in-person, 9 virtual)
- Climate Ready Casco Bay workshop (January 18)
- Baxter Academy Presentations on Sea Level Rise (February 6)
- Window Dressers Community Build (February 6-12)
- Casco Bay H.S. Public Policy Panel and Symposium (February 13-14)
- Maine Youth Climate Council Presentation (February 16)
- Home Energy Expo (March 16)
- Leadership Maine Presentation (March 26)
- Landcare Lunchbreak: Soil Science (March 27)
- Portland's Sustainability Series, co-hosted by the Portland Public Library and the Southern Maine Conservation Collaborative, presentation "Tides of Change: Coastal adaptation in a changing climate" (March 27)
- Food Waste Prevention Week (April 1-7)
- April High Tides: Informed Decision Making (April 2)
- Portland Public Schools STEM Expo (April 4-5 & 9)
- EV Expo at Green Home + Energy Show (April 6)
- Commercial Building Efficiency Workshop (April 18)
- Earth Day (April 21)
- Waynele Elementary Students energy and electric vehicles expedition (April 23)
- IDEXX Sustainability Event (April 24)
- Take Your Kid To Work Day (April 25)
- Leadership Portland Presentation (April 25)
- West End News, "Tall Grass is for the Bees" (May edition)
- Summit on Maine's Economy and Climate Change (May 9)
- Bike to Work Day (May 17)
- Portland Picks Up (May 19)
- Downtown Worker Appreciation Day (May 23)
- King Middle School recommendations on student proposals (May 29)
- West End News, "Sea Level Rise and the Working Waterfront" (June edition)
- Bayside Tour with Portland Adult Ed (June 4)
- King Middle School King Tide Symposium (June 5)
- Walk the Working Waterfront (June 8)
- New England Municipal Sustainability Network annual conference in Northampton, Massachusetts (June 10-11)
- Envision Resilience Workshop (June 12)
- Libbytown Neighborhood Kick-Off (June 12)
- Portland Rotary (June 21)
- Avesta Community BBQ (June 25)
- Payson Park Community Garden Pop-Up Picnic with Wayside Food Programs (July 8)
- Landcare Lunchbreak: Urban Runoff (July 17)
- Casco Bay Community Garden Pop-Up Picnic with Wayside Food Programs (July 22)
- Exploring Community Solar webinar cohosted with EnergySage and Revision Energy (July 31)
- Spotlight feature at Woodford's Corner Farmers Market (August 1)
- East End Community School garden rebuild workshop (August 8)
- Libbytown Community Garden Pop-Up Picnic with Wayside Food Programs (August 12)
- Landcare Lunchbreak: Prepping for Winter (August 14)
- Boyd Street Community Garden garden rebuild workshop (August 22)
- American Climate Corp Visit (September 10)
- Seven Seas Grandeur Tour (September 12)
- Payson Park Community Garden garden rebuild workshop (September 7)
- Clean Transportation Festival (September 7)
- Park(ing) Day (September 20)
- Portland's Coastal Cleanup (September 21)
- Envision Resilience Workshop and Learning Symposium (October 1-2)
- Ocean Avenue solar array tour with King Middle School (October 16)
- USDN Practical Climate Action presentation (October 16)
- Libbytown Neighborhood Cider Pressing Event (October 20)
- MeSCHNA Stakeholder Forum (October 22)
- Portland Family Medicine Presentation, "Climate Change and Climate Action in Portland" (October 28)
- Maine Commercial Energy Summit (October 30)
- USM Lecture to Urban Planning students (October 30)
- Envision Resilience Workshop (October 31)
- Pumpkin Cycle (November 9)
- West End Neighborhood ReForest the City Project

Looking Forward to 2025

- Launching another round of Electrify Everything!
- Fleet Electrification Strategy
- Launching City energy projects
- Reviewing our updated community wide greenhouse gas inventory
- Engagement with waterfront stakeholders
- 5 years of One Climate Future



**ONE
CLIMATE
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Portland and South Portland**