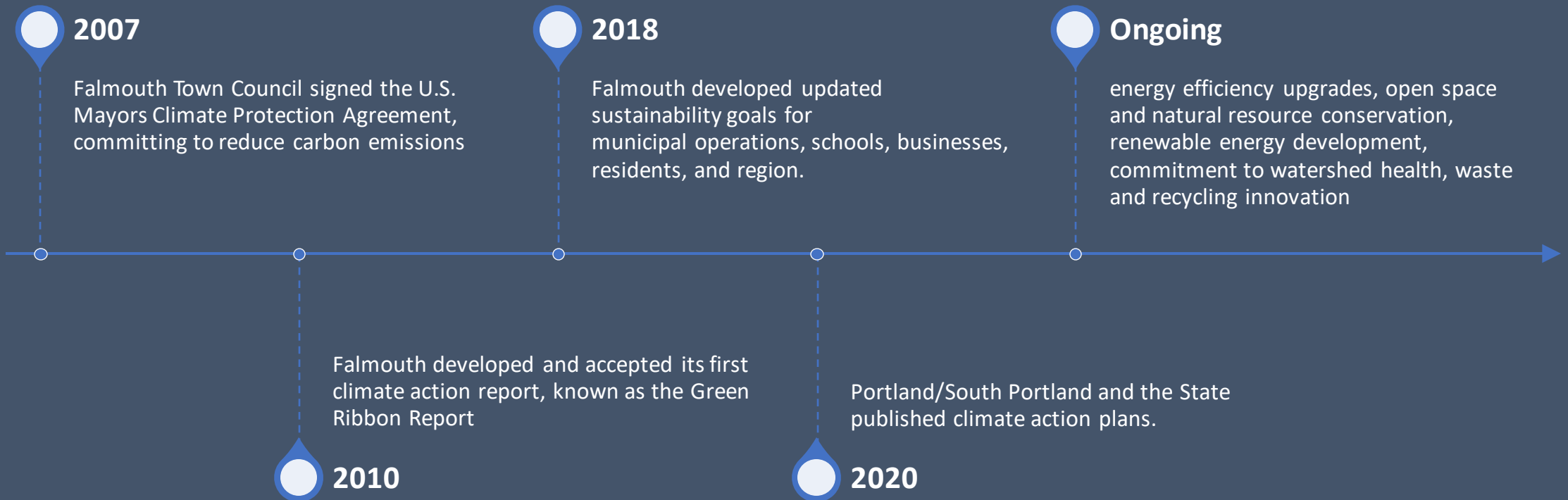


# Climate Action Planning Committee Kickoff

CAP Progress and Next Steps  
February 3, 2022



# History of Climate Action in Falmouth

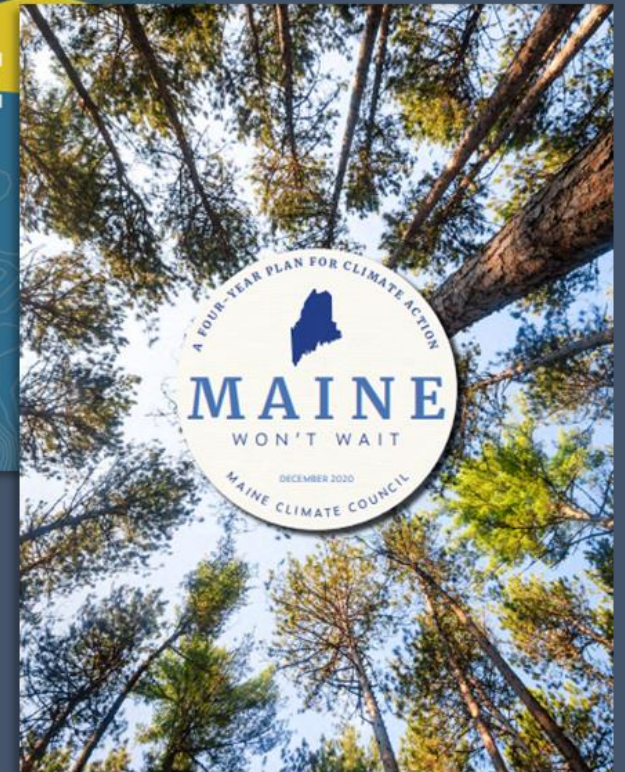
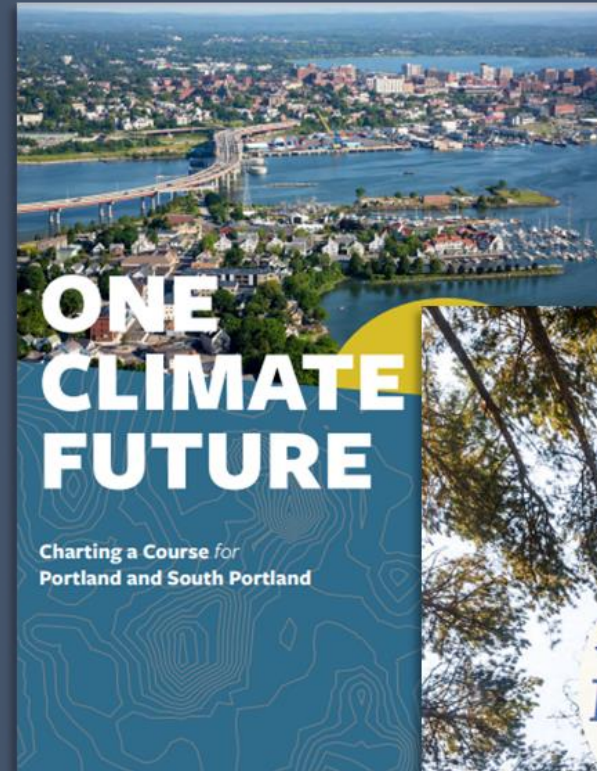


# Falmouth's Current Climate Action Goals

- 2% Average Annual Greenhouse Gas Emission Reduction
  - 70% renewable energy use
  - 30% of consumed food grown locally
- Expanded EV infrastructure
  - Falmouth Electrify Everything campaign
  - Nature-based coastal resiliency measures
  - Critical infrastructure updates

# Maine's Climate Action Goals

- *One Climate Future* Goals:
  - 80% reduction in community-wide GHG emissions by 2050
  - 100% renewable energy for all municipal operations by 2040
- *Maine Won't Wait* Goals:
  - 45% reduction by 2030
  - 80% reduction by 2050





# Key Accomplishments in Falmouth

## Building & Energy Use

- LED streetlights
- LED interior lights
- Municipal building energy audits and upgrades
- Solar panels installed on High School and Library
- 875 kW landfill solar array in development

## Transportation

- Added 4 All-Electric Vehicles to the Municipal fleet – including hybrids + EVs in Police Fleet
- Installed EV infrastructure

## Community Resilience

- Expanded Senior community programming
- Offer before and after-school care
- WindowDressers partner

## Waste Reduction

- Food waste program
- Resident and Commercial Recycling Education

## Environment

- Open space conservation - over 1800 acres of open space and 55 miles of trails
- Pesticide and Fertilizer use regulations and education
- Water quality management – Highland Lake and Town Wide







# State Support and Funding for Municipal Climate Action Planning

- Community Resilience Partnership - \$4.5M for municipal partnership program to promote climate action planning
- \$25M each for drinking water safety and wastewater infrastructure to leverage ARP funds
- \$100 million for investment in Maine's transportation infrastructure and \$40 million for conservation of Maine's land and water.
- \$20M for State Infrastructure Adaptation Fund





# Falmouth Climate Action Plan Overview

## Goals:

- Collect data to define scope of greenhouse gas emissions and current and future impacts of climate hazards
- Set targets that align with municipal priorities
- Identify actions and implementation plans that achieve climate targets
- Engage community to support climate action
- Integrate climate considerations into municipal processes

Process: Partnering with GPCOG to provide analysis and guidance in the process

Timeline: ~12 months

## Climate Action Planning

# GPCOG's Process

Preparation and Data Collection

Create advisory committee or team

Plan community engagement

Identify data sources and conduct data collection

Vulnerability Assessment, Emissions Inventory

Vulnerability assessment  
**Workshop**

Generate vulnerability and emissions reports

Publicize reports; hold **Town Meeting** for public comment

Climate Action Planning through Public Engagement

Hold priority-setting **Workshop**

Develop climate actions based on priorities identified

Publish climate action plan

Publicize reports; hold **Town Meeting** for public comment

Implementation and Tracking Progress

Implement plan and establish tracking approach

Track and report on progress annually



# Timeline

Month

1

2

3

4

5

6

7

8

9

10

11

12

## Phase One

GPCOG/Municipal Kickoff Meeting

Establish Action Planning Committee

Data Collection

Plan community engagement

## Vulnerability Assessment

Data collection worksheet

Conduct workshop

Draft report

Town meeting - public comment on reporting

## Emissions Inventory

Data collection worksheet

Draft report

## Integrated Action Planning

Priority setting workshop

Action planning

Draft final report

Town meeting for public comment

Adoption by governing body

**GPCOG**  
GREATER PORTLAND  
COUNCIL OF GOVERNMENTS



# Greenhouse Gas Inventory Plans and Progress

## Goals:

- Catalogue emissions from community sources (transportation, energy, waste)
- Highlight largest greenhouse gas sources
- Use data to guide emissions reductions targets

## Current status:

- GHG Emissions data collected on ClearPath
- Undergoing quality check



# Vulnerability Assessment Plans and Progress

## Goals:

- Assess most vulnerable populations, infrastructure, and ecosystems in the Town
- Guides climate action planning, prioritizes which assets to address first

## Current Status:

- Held interviews with Department Heads to determine most vulnerable assets to prioritize moving forward
- Currently compiling Department, Town data, and state agency projections to determine vulnerable assets
- Vulnerability Workshop planned for March
  - Goal of workshop is to get input on priority areas of risk and start to discuss solutions

# Community Engagement Planning and Progress

## Goals:

- Encourage public input in CAP process
- Awareness campaign, informational and educational talks
- Public meetings for sharing information and soliciting limited feedback
- Public facing data platform or website

## Current Status:

- Created a Community Engagement Plan to guide strategies for public participation.
- Began Climate Talk Series in partnership with the library to inform public – held 2 events so far
- Created community concerns survey to accompany all public events
- Launched website to compile vulnerability data, CAP landmarks, advertise public events



# Role of the Climate Action Planning Committee

- First Town in the region to have a formal community committee
- Ensure community engagement to guide creation of CAP targets and actions
- Identify vulnerable populations and develop strategies that encourage their participation in public events
- Collaborate with stakeholders to help hold Climate lectures, Workshops, and other town events
- Establish a new vision for climate action and prioritize targets
- Pursue opportunities to enable development through community resilience grants

# Community Engagement

- Participate in planning of Climate Lecture Series events
- Identify community members and stakeholders interested in working with or joining CAPC





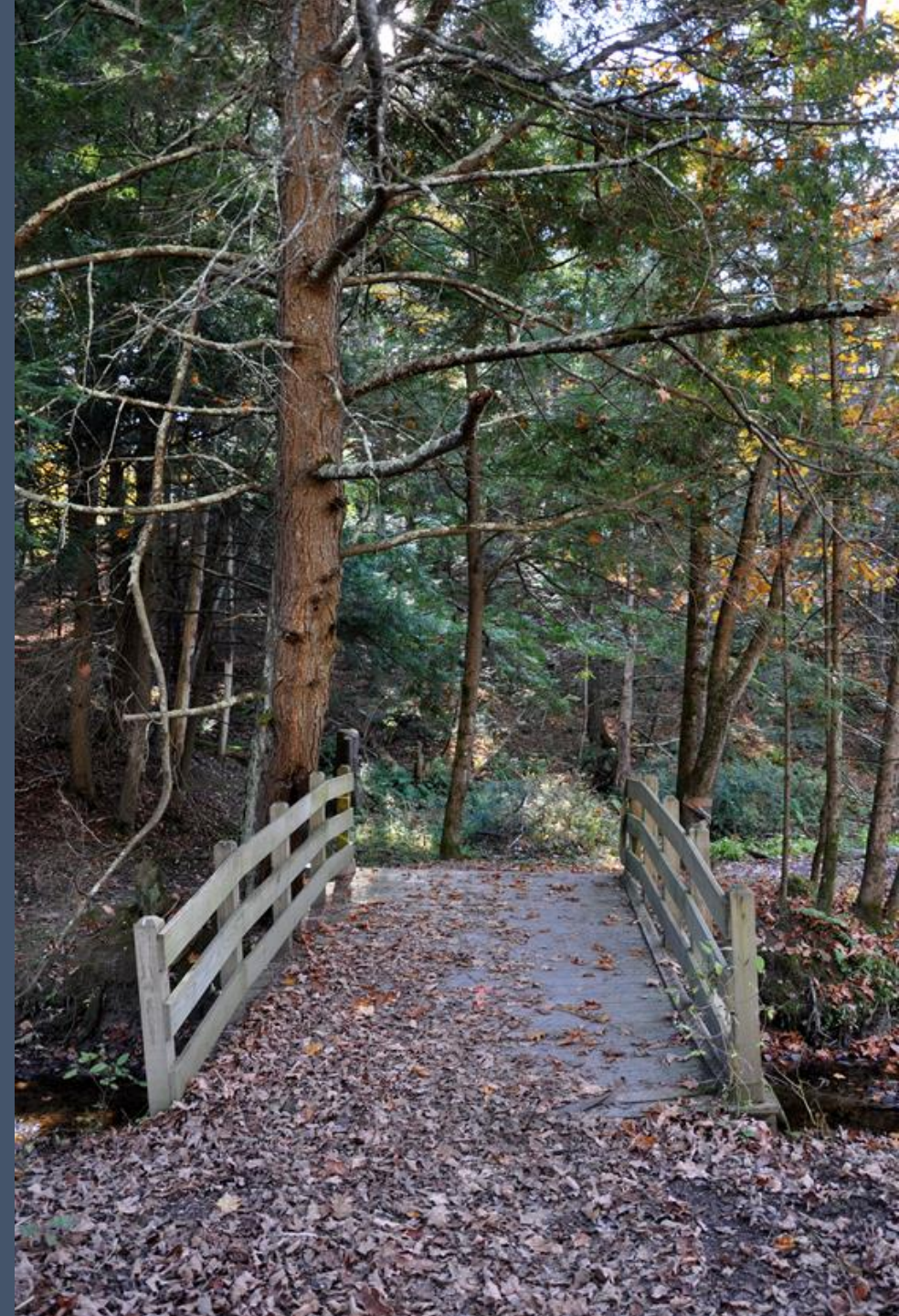
A scenic landscape photograph featuring a calm pond in the foreground, reflecting the surrounding environment. To the left, a small brick building with a brown roof and a dark window is partially visible, nestled among trees. The background is filled with a dense forest of tall evergreen trees. The ground is covered in a layer of snow, and some bare trees are scattered throughout the scene. The text "Next Steps" is overlaid in the center of the image.

Next Steps



# Vulnerability Assessment Workshop

- Review community surveys
- Show impacts and hazards
- Present Vulnerable Asset Findings
- Discuss community concerns and needs
- March timing





# Community Climate Action: Community Resilience Grants

- Governor's Office of Policy Innovation and the Future (GOPIF) announced grants for climate action
- Provides funding support of up to \$50,000 to community resilience project
- Requires public participation aspect, application due March 22nd
- Opportunity for CAPC to directly aid in the Climate Action Planning
- Community driven grant proposal encourages public participation
- Deliverable to show the Town we are taking action

# Community Resilience Grant Priorities

- Funds to build EV Charging stations
- Funds to adopt ordinances and rebates to encourage electrical appliance installation
- Energy upgrades/audits for municipal buildings
- Implementation of Watershed Management Plan
- Funding for future Electrify Everything program
- .....

# Committee Rules and Guidelines

- Must establish quorum of at least 4 members
- All communication is public record
- All discussion of 2+ members must take place at public meetings – no email discussion
- Elect Chair