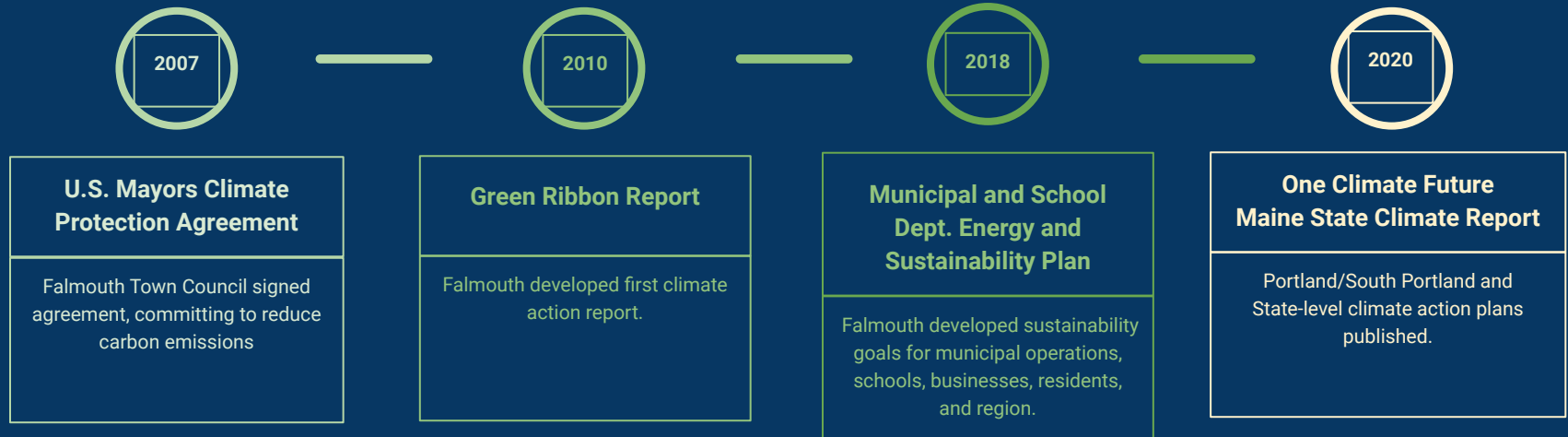
The background image is a photograph of a coastal scene. On the left, there is a two-story building with light-colored siding and a dark roof, elevated on stilts. A small sign is visible on the side of the building. To the right of the building is a pier or walkway with a series of black, curved lamp posts. The ground in the foreground is wet and reflective. In the water, there is a small blue boat and a white rope or line extending from the shore. The sky is overcast and grey.

Falmouth Climate Action Planning

Presentation to REAC
March 4, 2021

Photo Credit: Trish Peterson, Water
Reporter, Friends of Casco Bay

History of Falmouth + Maine Climate Action Planning



2010 Green Ribbon Report

- Completed community-wide emissions inventory (2007)
 - Identified transportation and buildings as biggest contributors
- Set emissions reduction target - 2% average annual reduction
- Proposed actions to reach reduction target
 - Many of these actions have been implemented - streetlights, fuel switching, investment in renewable energy, curbside recycling, composting, etc.
- Called for continued emissions monitoring to evaluate progress toward target



Energy and Climate Protection Plan

Recommendations for Action

Submitted to Falmouth Town Council

On February 8, 2010

(rev July 16, 2010)

By

Falmouth Green Ribbon Commission

On Energy and Climate Protection



2018 Municipal and School Department Energy and Sustainability Plan

- Completed emissions inventory for municipal and school operations (2016)
 - Heating buildings largest contributor
- Determined broad goals for municipal operations, schools, businesses, residents, and region



Municipal and School Department Energy and Sustainability Plan

Town of Falmouth, Maine

October 2018



Where We Stand

- Continuing to reference Green Ribbon and Municipal/School Sustainability reports to prioritize actions
- Overdue for a community-wide greenhouse gas emissions inventory
- Have never completed a Vulnerability Assessment

Recommendation

Partner with GPCOG to complete updated climate action plan.

Benefits of GPCOG Climate Action Plan Partnership

- Low cost - \$14,711
- Speed up process + reduce necessary investment
- Additional resources and support
- Funding opportunities
- Align with federal, state and regional efforts to produce a coordinated response to climate impacts



Deliverables

- Vulnerability assessment
- Community-wide GHG inventory
- Community engagement throughout process
- Establish and prioritize new vision and targets
- Strategic Climate Action Plan to achieve targets
- Implementation and funding support

Cost: \$14,711

First Step – Vulnerability Assessment

Goal: Identify the hazards that Falmouth will likely face from climate change (such as sea level rise, higher temperatures, or more extreme storms), as well as the ways in which our infrastructure, ecosystems, economies, and communities may be most vulnerable to its impacts. Identifying those vulnerabilities will help us prioritize and invest in actions that can best build our community resilience.

Cost: \$0 – Funded through Maine DOT Grant that GPCOG is administering

Vulnerability Assessment

GPCOG's Process



Preliminary Research and Resource Development

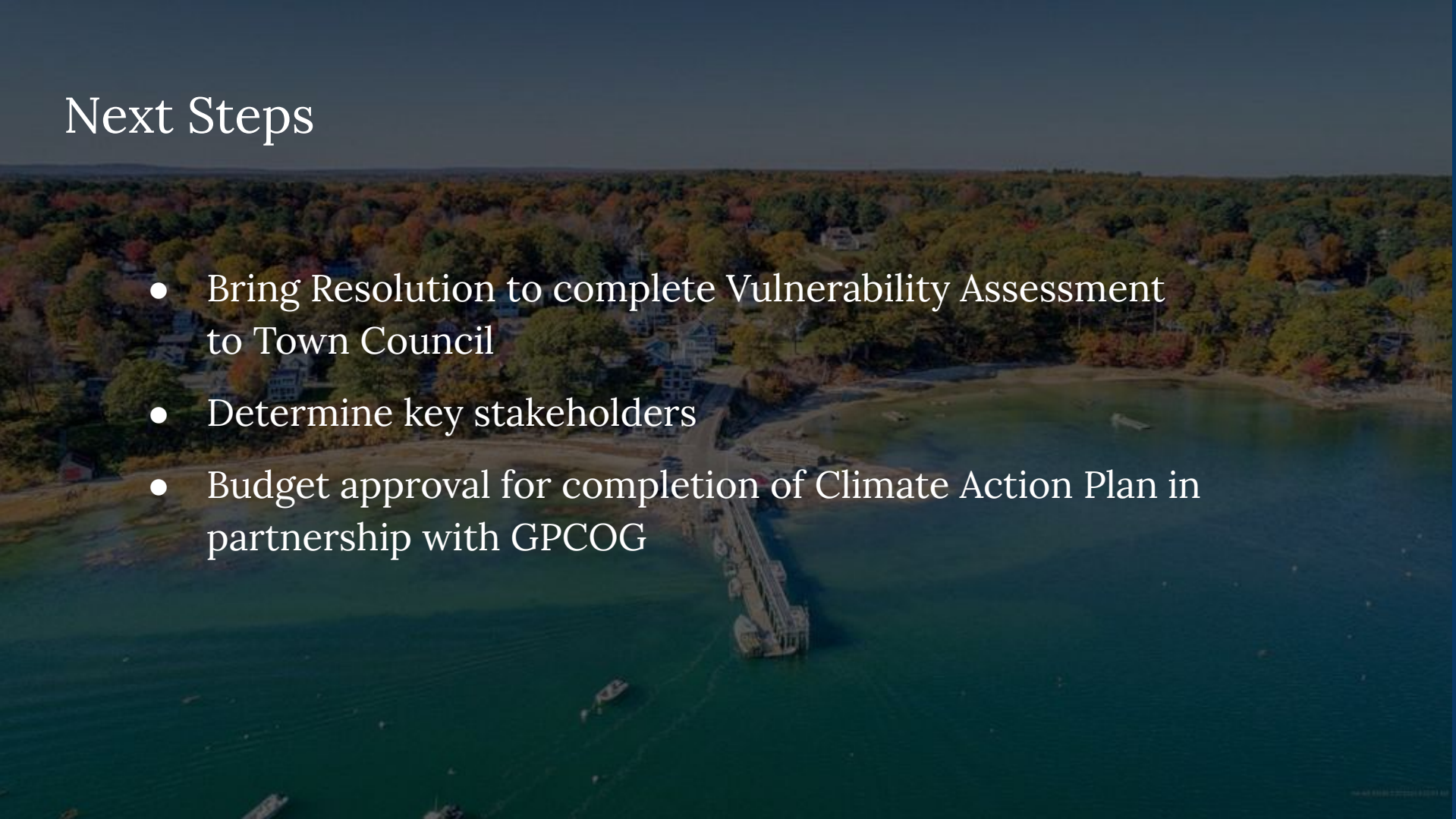
Data Collection; Identification of Vulnerabilities; Outreach

Assessment of Local Vulnerabilities



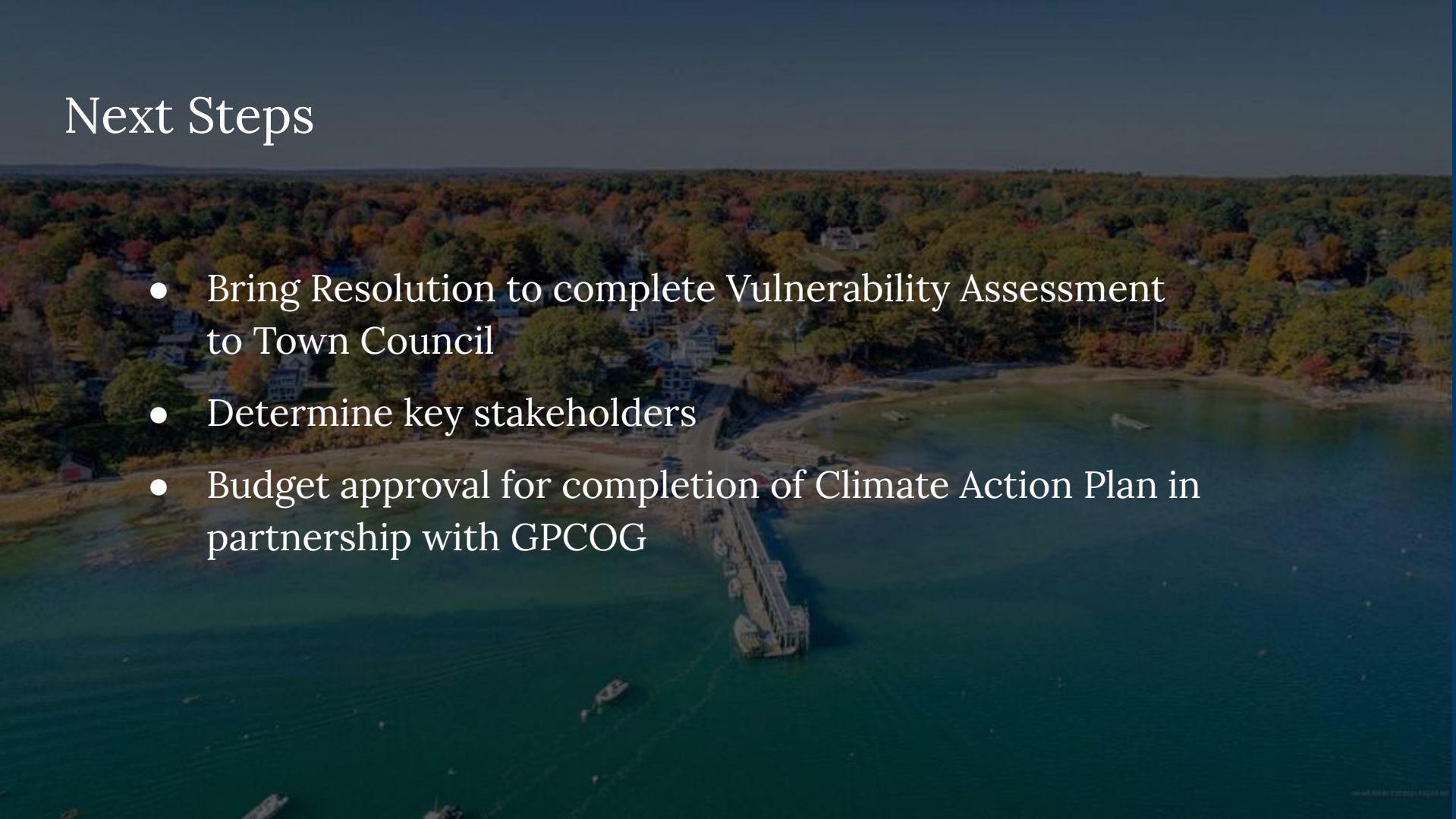
Report Local Vulnerabilities



An aerial photograph of a coastal town, likely in New England, showing a dense forest of trees with autumn foliage in shades of green, yellow, and orange. A long wooden pier extends from the shore into a body of water. Several small boats are visible in the water. The sky is clear and blue. The overall scene is peaceful and scenic.

Next Steps

- Bring Resolution to complete Vulnerability Assessment to Town Council
- Determine key stakeholders
- Budget approval for completion of Climate Action Plan in partnership with GPCOG

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