

# Climate Resilient Carlisle

MVP Core team

January 16, 2025



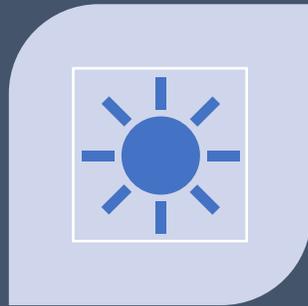
# Agenda

- Recap: What we have learned
  - Existing conditions and trends
  - Resilience goals
  - Tools and methods
- Final Report Structure
- Discussion: Recommended Actions
  - Feedback
  - Successful implementation

# Existing Conditions and Trends: Climate Change



Greater annual  
rainfall with more  
intense rainfall  
events



More frequent and  
intense drought



More frequent and  
intense storms  
with high winds



Warmer winters  
and warmer  
summers

# Existing Conditions and Trends: Land Use and Demographics

- Heavily forested
- Significant floodplains and wetlands
- Private well water and septic
- Large houses on large lots
- Aging residents

# Resilience Goals

Ecosystem  
protection

Social  
resilience

Housing  
resilience

Flood  
mitigation

Forest fire  
protection  
/mitigation

Water  
resource  
protection

GHG emissions  
reduction  
/efficiency

Resilient  
energy  
systems

Multi-modal  
transportation

Emergency  
response

Local  
food/farming

# Tools and Methods



Change in  
Local Code

Change in  
Town Policy



Education

Town Initiative,  
Program, or  
Action



# Resilience actions

...are  
interdisciplinary

- Most actions advance multiple goals

...can be advanced  
in many ways

- Each action will be advanced through one or more of the tools/methods

...need champions

- We want to develop a roadmap that you can (and will!) implement



# Final Report Structure

## Roadmap for a Climate Resilient Carlisle

- Intro: Existing Conditions and Trends
- Resilience Goals
- Tools and Methods
- Actions

Actions are most likely to be implemented when they:

- ✓ Are clearly defined, especially the immediate next steps
- ✓ Are important, urgent, or high priority
- ✓ Have champions with the capacity and the authority to advance them

# Today's Discussion

## Review process and feedback from Recent Circle Back Meetings

- Conservation Commission (Oct 2024)
- Housing Trust (Nov 2024)
- LEPC (Jan 2025)
- Zoning Board (Jan 2025)
- Planning Board (Jan 2025)
- Select Board (Jan 2025)
- Historical Commission (Jan 2025)
- Board of Health (Jan 2025)
- MVP Core Team (Jan 2025)
- Environmental Sustainability Committee (Jan 2025) [TONIGHT]

# Themes

Fire protection

Power lines/tree maintenance

Social connections = resilience

Floodplain planning/management

Green Infrastructure/Stormwater code and implementation

Housing – Need variety of options, smaller options, small scale density, ability to update ‘historic homes’, reduce (delay) teardowns

Septic and Well Standards – provide clarity on assumptions and equity in application

Connected open spaces and resilient/sustainable yards

# Questions?

## Reach out if anything comes to mind!

Thank you!!

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