

Why is hazard mitigation important?

Hazard mitigation is defined as taking action to reduce the loss of life and the damage to property, infrastructure, natural, cultural, and economic resources when faced with disaster. In order to keep Cape Cod beautiful, we must take hazard mitigation seriously.

Cape Cod is vulnerable* to:

- Flooding – inland and coastal
- Shoreline change
- Extreme precipitation
- Winter storms
- Extreme wind
- Hurricanes
- Wildfires

** as identified by Hazard Mitigation Plans for Barnstable County towns*

TIP: For a municipal level mitigation strategy to be most effective, all stakeholders that are impacted by such changes or lack thereof must be included in the planning process. Applying the whole community approach ensures that all interests will be accounted for.

Information on this brochure compiled by:

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Other Useful Links & Resources:

Statewide Resilience Master Plan

Plan to improve resilience in MA facilities
<https://www.mass.gov/service-details/statewide-resilience-master-plan-srmp>

Storm Smart Coasts

Developed a coastal resilience grant project program
<https://www.mass.gov/stormsmart-coasts-program>

Incident Action Checklists for Water & Wastewater Utilities

<https://www.epa.gov/waterutilityresponse/incident-action-checklists-water-utilities>

OSHA Hurricane Readiness Activity Sheets

<https://www.osha.gov/SLTC/etools/hurricane/sheets.html>

These Activity Sheets Include: Building Assessment, Waste Debris/Removal and Reduction, Infrastructure Repair and Restoration, Community Support, Restoration of Infrastructure and Water Related Activity, Operation Specific Sheets

National Association of City Transportation Officials

Nacto.org

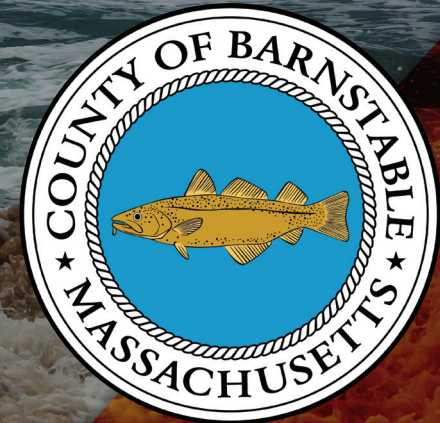
Resources Include: Urban street design guides for green infrastructure

IMPORTANT CONTACTS:

- **Shannon Jarbeau, Floodplain Specialist & Community Rating System Coordinator /**
508-375-6952, shannon.jarbeau@barnstablecounty.org
- **Kalliope Chute, HazMat Environmental Specialist /**
800-319-2783, kalliope.chute@barnstablecounty.org,
Barnstable County Hazardous Materials Program
- **Barnstable County** (BarnstableCounty.org)
- **Woods Hole Sea Grant** (web.whoi.edu/seagrant)
- **Love Your Local Water** (loveyourlocalwater.org)

Cape Cod Cooperative Extension
CAPECODEXTENSION.ORG

Hazard Mitigation Tips for MUNICIPALITIES



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Understanding the Benefits Provided by the Municipality Vulnerability Program

Hazard Mitigation Grant Fundable Items:

- Stormwater upgrades
- Drainage and culvert improvements
- Property acquisition
- Slope stabilization
- Infrastructure protection
- Seismic and wind retrofits, and
- Structure elevations



Non-Grant-Fundable Items:

- Projects that address operation
- Deferred or future maintenance
- Repairs or replacement (without a change in the level of protection provided) to facilities or infrastructure (dredging, debris removal, replacement of obsolete utility systems, bridges and facility repair/rehabilitation)

For more information on the Massachusetts Municipality Vulnerability Preparedness Program:

<https://www.mass.gov/municipal-vulnerability-preparedness-mvp-program>



Green Infrastructure – Cost Effective Approach to Managing Wet Weather Incidents

- Downspout Disconnection
- Rainwater Harvesting
- Rain Gardens
- Planter Boxes
- Bioswales
- Permeable Pavements
- Green Streets and Alleys
- Green Parking
- Green Roofs
- Urban Tree Canopy
- Land Conservation

Understanding climate change impact on your community

The Massachusetts Climate Change Clearinghouse (resilient MA) is a gateway to data and information relevant to climate change adaptation and mitigation across the state.

www.resilientma.org

A GREAT RESOURCE!

Office of Technical Assistance

Free analysis of chemical hazards, less toxic alternatives, grants

<https://www.mass.gov/orgs/office-of-technical-assistance-and-technology-ota>

ANOTHER GREAT RESOURCE!

UMass Lowell Toxics Use Reduction Institute



Training Events, Company Case Studies, Chemical Fact Sheets, Policy Analyses, Technical Research Reports

Library: <http://guides.turi.org/beyondmsds>

Cleaner Solutions Database: cleanersolutions.org
Assists in the search for safer cleaning processes by identifying, developing and promoting safer alternatives to hazardous solvents

Chemical Resiliency:

Use, store, and dispose of chemicals safely!
Store in bins, on shelves, or install overflow containment systems for large quantities.

Cape Cod is very susceptible to beach erosion

