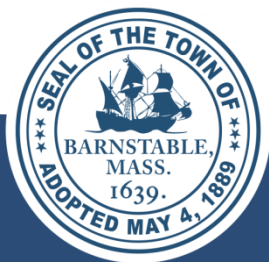
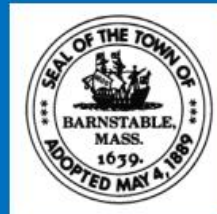


2022 Barnstable Hazard Mitigation Plan Update



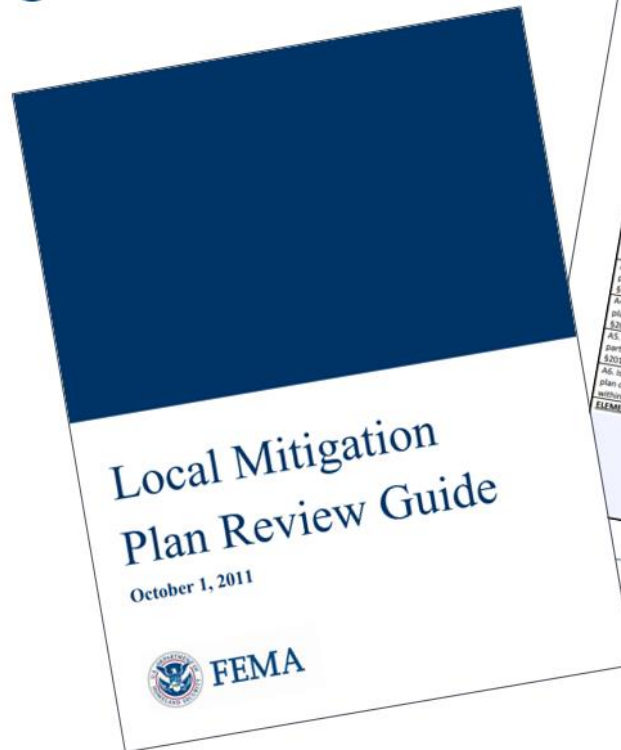
**Town of Barnstable
2022 Hazard
Mitigation Plan
Update**

June 2022



2022 Barnstable Hazard Mitigation Plan Update

Planning Process

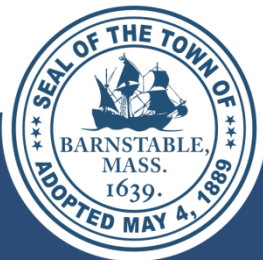


SECTION 1: REGULATION CHECKLIST

INSTRUCTIONS: The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been 'Met' or 'Not Met.' The 'Required Revisions' summary at the bottom of each Element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is 'Not Met.' Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in this Plan Review Guide in Section 4, Regulation Checklist.

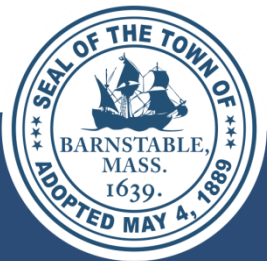
1. REGULATION CHECKLIST		Location in Plan (Section and/or page number)		Met	Not Met
ELEMENT A. PLANNING PROCESS					
A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(b)(1))					
A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))					
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(3))					
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(4))					
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(ii))					
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(iii))					
ELEMENT A. REQUIRED REVISIONS					

Local Mitigation Plan Review Tool



Hazard Mitigation Goals

Goal #	Details
Goal 1	Protect lives and reduce social, emotional, and economic disruption following a disaster event as soon as practicable.
Goal 2	Prevent the loss and reduction in value of property, infrastructure, and natural and cultural resources from natural disasters.
Goal 3	Increase public awareness of risk and vulnerability to natural disasters.
Goal 4	Increase access to funding sources for hazard mitigation projects.
Goal 5	Improve the ability to implement post-disaster recovery projects.





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Natural
Hazards



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Core Team
Members



109

Critical
Facilities



27

Critical Facilities in
Hurricane Zones



23

Critical Facilities
in Flood Zones



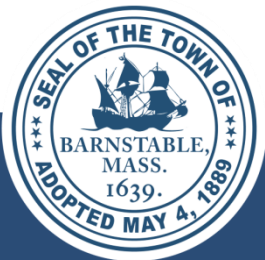
38

Hazard Mitigation
Actions



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Potential
Funding Sources

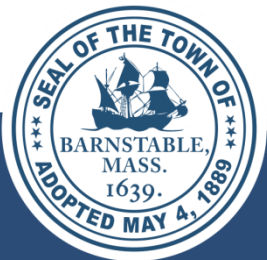


Hazards Reviewed

- ▶ Coastal Erosion, Shoreline Change
- ▶ Hurricane
- ▶ Dam Failure
- ▶ Earthquake
- ▶ Wildfire
- ▶ Flood
- ▶ Nor'easter
- ▶ Windstorm



- ▶ Tornado
- ▶ Drought
- ▶ Severe Winter Weather
- ▶ Tsunami
- ▶ Sea Level Rise
- ▶ Climate Change
- ▶ Extreme Temperatures



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Natural
Hazards

Table 5-2: Mitigation Actions 2022 Hazard Mitigation Plan

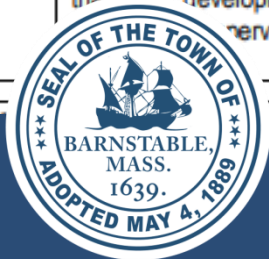
#	Hazard Addressed	Project Description	Objectives Addressed	Estimated Cost	Project Duration/ Implementation Timeframe	Potential Funding Source
1	Flooding, Shoreline Change/ Coastal Erosion	Develop additional Coastal Resources Management Plans for vulnerable coastal areas within the Town Barnstable. Plans should incorporate other relevant work that has been completed such as the Sediment Budget conducted by the Center for Coastal Studies and the Resiliency Study completed for Sandy Neck.	1, 2, 3, 7, 10, 11	\$70,000	Medium	3, 13, 14, 22
2	Flooding, Shoreline Change	Explore the adoption of regulations and incentives to restrict new development and redevelopment in FEMA A and V zones, on barrier beaches, or on coastal dunes where there is known to be danger of significant flood damage. <ul style="list-style-type: none"> • Inventory and map vacant land in velocity zones. • Existing structures may be reconstructed or renovated in conformance with all regulatory requirements provided there is no increase in area or intensity of use. Where applicable, non-water dependent development shall be concentrated on that part of the lot outside the A and V Zones.	2, 5, 6	\$10,000	Medium	22
3	Flooding, Shoreline Change/ Erosion Control	<ul style="list-style-type: none"> • Explore adopting a General Ordinance specifically targeted at coastal areas that applies to residential and public development to better protect or improve coastal waters or sensitive habitat areas regarding wastewater infrastructure resiliency during storm events. 	2, 5, 9, 12	\$5,000		
4	Flooding, Shoreline	Reduce impacts in FEMA A and V zones by amending the Zoning Ordinance to require floor area ratio requirements that allow development and redevelopment that does not create large impervious surface and maintains coastal flood resiliency.	2, 5, 9, 12	\$5,000		



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Hazard Mitigation
Actions

#	Project Description	Responsible Party	Cost Effectiveness of Activity	Socially Acceptable	Technically Feasible	Protect/Benefit Environment	Legal	Economic Benefit	Project Priority
1	Develop additional Coastal Resources Management Plans for vulnerable coastal areas within the Town Barnstable. Plans should incorporate other relevant work that has been completed such as the Sediment Budget conducted by the Center for Coastal Studies and the Resiliency Study completed for Sandy Neck.	Planning Conservation Commission, Harbor Master	High	High	High	High	Medium	High	High
2	Explore the adoption of regulations and incentives to restrict new development and redevelopment in A and V zones, on barrier beaches, or on coastal dunes where there is known to be danger of significant flood damage. <ul style="list-style-type: none"> • Inventory and map vacant land in velocity zones. • Existing structures may be reconstructed or renovated in conformance with all regulatory requirements provided there is no increase in area or intensity of use. • Where applicable, non-water dependent development shall be concentrated on that part of the lot outside the A and V Zones. 	Planning	High	Medium	Medium	Medium	Medium	Medium	Medium
3	Explore adopting a General Ordinance specifically targeted at coastal areas that applies to residential and public development to better protect or improve coastal waters or sensitive habitat areas regarding wastewater infrastructure resiliency during storm events.	Planning, Public Works	Low	Medium	Medium	Medium	Medium	Low	Low
4	Reduce impacts in FEMA A and V zones by amending the Zoning Ordinance to require floor area ratio requirements that allow development and redevelopment that does not be a serious surface and maintains coastal flood	Planning, Building Division	High	Medium	Medium	Medium	Medium	Medium	Medium



Potential Projects

Next Steps and Future Planning Initiatives

- Seek Adoption of the Plan for FEMA's Approval
- Become Eligible for Certain Grants
- Inform future Planning such as the Local Comprehensive Plan
- Guide Future Development, etc.

