## Weston & Sampson

## **COMMUNITY RESILIENCE BUILDING & HAZARD MITIGATION PLANNING STAKEHOLDER WORKSHOP 1**

Dunstable, Massachusetts October 20, 2023



1







**KEY TERMS** NATURAL HAZARDS: A source of harm or **PRIORITY POPULATIONS:** People or difficulty created by a meteorological, communities who are disproportionately environmental or geological event. Natural impacted by climate change due to life hazards, such as flooding and earthquakes, circumstances that systemically increase their impact the built environment, including dams and levees. exposure to climate hazards or make it harder to respond. CLIMATE ADAPTATION: Actions taken at the COMMUNITY ASSETS: People, structures individual, local, regional, state, and national (buildings and facilities), systems, levels to reduce risks from changing climate natural/historic/cultural resources, the economy, and activities that have value to the conditions and prepare for impacts from additional changes projected for the future community. CLIMATE RESILIENCE: The ability to prepare for, HAZARD MITIGATION: Actions taken to reduce or eliminate the long-term risk to human life and property from natural hazards. recover from, and adapt to climate change and associated impacts. Weston & Sampson Stanner



















 AUG
 OCT
 NOV
 MARCH
 APRIL
 JUNE

 2023
 OCT
 NOV
 MARCH
 APRIL
 JUNE

 2023
 OCT
 NOV
 MARCH
 2024
 JUNE

 Core Team
 CRB
 Public Meeting
 Draft Plan to
 Listening
 Submit Plan to

 Kickoff
 Workshops
 Public Meeting
 Draft Plan to
 Listening
 Submit Plan to

 Vestor (& Sompson)
 EVENER
 MARCH
 Listening
 Submit Plan to



CLIMATE DATA & RESOURCES			
CLIMATE DATA	<ul> <li>Resilient Massachusetts State Hazard Mitigation and Climate Adaptation Plan (2023)</li> <li>Massachusetts Climate Change Assessment (EEA, 2022)</li> <li>Climate Resilience Design Standards Tool (RMAT, 2022)</li> <li>Massachusetts Climate Change Projections (NECSC, 2021 on resilientma.org)</li> </ul>		
APPLICABLE PLANS	<ul> <li>Town of Dunstable Annual Reports (Dunstable, 2020, 2021, 2022)</li> <li>Town of Dunstable Bylaws (Dunstable, 2021)</li> <li>Dunstable Master Plan (Dunstable, 2018)</li> <li>Dunstable Open Space and Recreation Plan (Dunstable, 2018)</li> <li>Hazard Mitigation Plan for the Northern Middlesex Region (Northern Middlesex Council of Governments, 2015)</li> </ul>		







 HURRICANES & TROPICAL STORMS

 HUR

 Extreme Wind: Damaging wind, often occurring during hurricanes and tropical storms, that can cause threat to life and property.

 High Wind Threats:

 Extreme Sustained wind speeds greater than 58 mph

 High Sustained speeds of 40 to 57 mph

 Moderate Sustained speeds of 26 to 39 mph

 Low Sustained wind speeds around 20 mph

 Non-threatening Breezy conditions

 Meston@Sampson





















**R** 





























































## Example Impacts:

- Higher risk to people living near steep slopes or unstable soil
- Potential loss of life
- Damage to roads
- · Loss of energy production and resources
- Reduced potability of water
- · Increased demand for state and municipal services

56





57















RISK MATRIX: FEATURES					
FEATURES	LOCATION	OWNERSHIP	VULNERABILITY OR STRENGTH		
People	Town wide	State	Vulnerability		
Structures	Multi- vs. Single- neiahborhood	Town			
Systems	Specific location	Private	Both		
Historic/ Cultural/ Natural Resources	(e.g. address, cross-streets)	Shared			
Economic & Community Activities	/				
/	Weston & Samp				





· · · ·	Older Adults Children Visiting Populations & Tourism Health Centers Schools Daycare Community members with disabilities Religious Centers	
	Weston	

**RISK MATRIX: PEOPLE** 111 Popula Dunstal Mas 2021 3,369 6,984.723 2010 3,076 6,547,790 1 Age 21.0% 19.5% Under 18 years 14.7% 17.4% 65+ year **••** \$177,803 \$89,645 Median household income Persons in poverty Additional Information 1.2% 10.4% 51.6% 49.3% Bachelor's degree or higher With a disability 11.7% 5.1% Limited English speaking households 0.0% 6.1% Weston & Sampson Stanner

69



























SUMMARY & WRAP UP	
<ul> <li>Questions?</li> <li>Next Steps <ul> <li>Next workshop: Mitigation Actions &amp; Priorities</li> <li>Thursday October 26, 8:30 AM to 12:30 PM</li> </ul> </li> </ul>	
<ul> <li>Ways to stay involved</li> <li>Public Meeting: November 2023</li> <li>Listening Session: Spring 2024</li> <li>Review Draft Plan: Spring 2024</li> </ul>	
Weston & Sampson & Horize	

weston@Sampson.com