Community Resilience Building Risk Matrix



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Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, drought, sea level rise, heat wave, etc.)

H-M-L priority for action over the Short or Long term (and Ungoing) Priority $\underline{\mathbf{V}}$ = Vulnerability $\underline{\mathbf{S}}$ = Strength Intense Storms Flooding **Heat Waves** Drought Short Long <u>H - M - L</u> **O**ngoing Features Location Ownership | V or S Infrastructural B1. Pursue funding to accelerate replacement B1. 0 B1. H program B3. Water conservation Water Distribution System Town-wide Town B2. Charge infrastructure fee for those not on the B2. H B2. S education campaign distribution system but who will benefit from B3. H B3. 0 improvements B1. Pursue funding to address dam hazard status (e.g., B1. H B1. S upgrade or remove) Dams Multiple Town B2. H B2. S B2. Create emergency action plan for all dams B1. Convene working group on zoning and planning changes to mitigate conflicts (e.g., emergency access B1. M B1. L/O v. wanting to restrict paving) Roads Town-wide Town, Private B2. S B2. M B2. Include stormwater and runoff considerations in road planning B1. Create a culvert/beaver management plan B1. H B1. 0 B2. Pursue funding to proactively fix culverts B2. M B2. O Culverts Town-wide Town, Private B3. Conduct inventory of culverts and prioritize them B3. M B3. S for improvements by risk B1. Eliminate cess pools B1. S B1. H Septic System Town-wide Private B2. Create a municipal treatment plant B2. L B2. L B1. Upgrade municipal buildings for emergency preparedness B1. 0 B1. H B2. Require LEED certification for all municipal buildings V/S B2. H B2. O Municipal Buildings Multiple Town B3. Change zoning to require solar in new development B3. H B3. 0 G1. Work with Eversource G2. Follow up with Eversource on reliability and gas leaks reports, improve G1. H G1. 0 Power & Utilities Town-wide Private V/S to improve tree trimming G2. H communications G2. S efforts G1. H G1. L Water Supply/System Town-wide Public, Private V/S G1. Need more funding for upgrades G2. Education program G2. H G2. O on water conservation G1. Devleop a transition plan for Fire Chief and consider FT hires G1. L G1. L V/S Public Critical Infrastructure Town-wide G2. Hire and fund a Facilities Coordinator to be responsible for asset management G2. H G2. S G1. Partner with CWRA to assess all dams in Holliston Dams Specific location: Public to determine best candidates for removal and G1. H G1. S ecosystem restoration Roads & Drainage Town-wide Public, Private G1. Assess opportunities to put all communications G2. Improve cellular/wireless infrastructure to G1. L G1. L V/S systems underground Communications Systems Town-wide Public, Private improve access G2. H G2. O Societal

School Age Children	Town-wide	Parents & Schools	V/S	B1. Supply take home kits for kids needing food assistance during school closures B2. Programming during school closures for working parents B3. More air conditioning in schools	B1. L B2. M B3. H	B1. 0 B2. 0 B3. 0
Seniors	Town-wide	N/A	V/S	B1. Expansion or updating of current emergency centers to make them prepared and have adequate staffing B2. Create a volunteer team to help seniors and other vulnerable populations during emergencies B3. Educational campaign to make aware of resources and preparation tips (whole community, not seniors) B4. Air conditioning for Housing Authority seniors	B1. H B2. M	B1. O B2. S B3. O B4. L
Affordable Housing/Low-Income Residents	Various Location	N/A	v	B1. Zoning changes to allow for in-law apartments and other housing configurations to meet needs seniors and vulnerable populations B2. Volunteer team to help distribute food during emergency (from Town's food pantry), perhaps expanding meals on wheels to serve this purpose	B1. H B2. M	B1. S B2. S
Medically Vulnerable	Town-wide	N/A	v	B1. Revisit partnershiops and MOUs around lists of vulnerable persons during emergencies (information sharing) B2. Increase inventory of preparedness equipment that can be loaned (e.g., portable generators to medical devices)	B1. L n B2. M	B1. O B2. S
Small Businesses	Town-wide	Private	V/S	B1. Outreach to business association on preparedness education and programs B2. Foster relationships betweeen businesses to help each other out in case of emergency	B1. L B2. L	B1. 0 B2. 0
Seniors	Town-wide	N/A	V/S	G1. Develop a community-wide preparedness program (guidance on what to include in a prepared kit, possibly expand the "handy man" safety program) G2. Assess large facilities (e.g., Senior Center, Senior Housing, houses of worship) in town and ident priority locations to play role as longer term shelter (including generators) (Resilience hubs)	G1. H	G1. S G2. S
Children/Youth/Schools	Town-wide	N/A		G1. Enhance existing communications systems and protocols - maybe add a hotline and neighorhooleaders G2. Enhance wellness programs for youth to reduce vulnerability (e.g., nature-based, cooking)	G1. M G2. M	G1. L G2. O
Disabled & Medically Challenged	Town-wide	N/A	v	Create a program to allow existing or retired medical professionals to help out in an emergency Create a network of solar powered charging stations throughout town Identify private residences with generators		G1. S G2. L G3. O
Businesses	Town-wide	N/A	V/S	G1. Establish a public/private partnership to share equipment and resources	G1. M	G2. O
Pets	Town-wide	N/A	V/S	G1. Establish a program to support sheltering of pets needed volunteers, equipment, locations	G1. H	G1. O
Environmental	1				•	1
Water Supply/Aquifer	Multiple	Public, Private	V	B1. Educataional campaign about water conservation, anti-pollution, and combatting desire for green lawns B2. Protect water supply through zoning changes incentivize connection to municip system, not wells B3. Controlled growth by charging MWRA p.	B1. H B2. H B3. L	B1. 0 B2. S B3. L
Farms	Multiple	Private	V/S	B1. Money to protect farmland from selling to developers B2. Educational outreach on resources in case of declared disaster		B1. 0 B2. 0

Open Space/Conservation Land	Multiple	Public	V/S	B1. Evaluate which areas might be ripe for expansion of conservation land B2. Create forest management plan with DCR B3. Inventory/mapping of conservation land B4. Hire a sustainability coordinator B5. Proactive cutting of fire lanes in sites at risk of brush fire			B1. M B2. H B3. M B4. M B5. M	B1. 0 B2. 0 B3. S/0 B4. S B5. 0
Wetlands	Multiple	Private	V/S	B1. Education to homeowners on need for protection B2. Standing order of conditions for DPW			B1. H B2. H	B1. 0 B2. S
Recreational Facilities	Multiple	Public, Private	V/S	B1. Education about littering			B1. H	B1. 0
Tree Canopy	Town-wide	Public, Private		G1. Create policy to require replanting/replacement of cut trees for new development or contribute to a tree fund G2. Conduct a study to understand best species to replace Ash and increase species diversity				G1. S G2. O
Stormwater Management	Town-wide	Town	c	G1. Conduct a tree canopy inventory/assessment G2. Establish a stormwater management fee G3. Create a town-wide rain barrel/garden program G4. Develop and implement an education and PR campaign related to the values of our natural resources and our individual role to protect G5. Become a Tree City USA			G1. L G2. H G3. H G4. H G5. H	G1. L G2. L G3. O G4. S/O G5. S
Parks & Athletic Fields	Specific locations	1 Private, Rest Pul		G1. Reassess use, type, and location of athletic fields to take advantage of hydrologic realities	G2. Add more shade features and trees to playground areas		G1. M G2. L	G1. L G2. L
Town Forest & Conservation Land		Public	V/S	G1. Develop a management plan for the Town Forest and Conservation Land to address brush fires, invasives, and general maintenance			G1. M	G1. S
Lake Winthrop	Specific locations	Public	V/S	G1. Identify and implement best practices to remove phosphorus and invasives from Lake Winthrop and address erosion issues			G1. H	G1. 0
Beavers	Specific locations	N/A		G1. Partner with the State to develop a sustainable beaver eradication program, including education and new policies			G1. H	G1. L