

Community Resilience Building Risk Matrix



www.CommunityResilienceBuilding.org

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 **Ongoing**)
V = Vulnerability **S** = Strength

Category	Features	Location	Ownership	V or S	Flooding	Wind	Heat & Drought	Responsible Dept./Organization	Priority	Time
									H - M - L	Short Long Ongoing
Infrastructural										
Emergency Response	Senior Center Cooling Center	Downtown	Public	S			Clarify location + publicize	Board of Health Senior Center Emergency Mgmt.	H	S
Infrastructure Safety	Quabbin Reservoir Dams	Multiple	Public/ Private	V	Coordinate with DCR to plan solutions for breaches			DCR Emergency Mgmt.	H	S
Infrastructure Safety	South St + Church St Flooding	Downtown	Public	V	Raise road (Church St) Drainage maintenance (South St)	Tree cutback		DPW Tree Warden	H	L
Infrastructure Safety	Low Hazard Dams, channels, levees	Downtown	Public/ Private	V	Annual inspection + maintenance			Emergency Mgmt. DPW	H	O
Infrastructure Safety	Flood Levees + Pumps	Multiple	Public/ Private	V/S	Maintenance + upgrades to system to protect downtown Ensure available portable generators for pumps			DPW DCR (Quabbin Res.)	H	O
Power, Sewerage and Water Supply	Hydropower	Downtown	Private	S	Consider acquiring to protect public utilities, increase sources of power + revenue				M	O
Power, Sewerage and Water Supply	Water Supply	Upper Church	Public	V	Maintenance + protection of supply		Maintenance + protection of supply	DPW Planning & CD East Quabbin Land Trust (EQLT)	H	O
Power, Sewerage and Water Supply	Town Wells in Floodplains	Multiple	Public	V	Expand water infrastructure to avoid contamination (check flood protection options)			DPW MCRA (water use agreement in case of need)	M	L
Power, Sewerage and Water Supply	Sewage System	Multiple	Public	V	Maintenance + expansion of sewer lines		Conduct aquifer mgmt., use restrictions	DPW	M	O
Town Design Components	Transportation Improvement Grant - Complete Streets	Downtown	Public	S	Continue + expand implementation			Planning	H	S
Town Design Components	Commercial Strip/Downtown	Multiple	Private	V/S	Require rain gardens for new developments Move school bus storage out of floodplain		Redesign + revitalize Main St to draw visitors Focus on walkable downtown (parking garage) Combine beautification w/ sustainability	Planning DPW	M	O

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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 **S**hort or **L**ong term (and **O**ngoing)
V = Vulnerability **S** = Strength

Category	Features	Location	Ownership	V or S	Flooding	Wind	Heat & Drought	Responsible Dept./Organization	Priority	Time
									H - M - L	Short Long Ongoing
Societal										
Emergency Response	Alert System/Code Red (reverse 911)	N/A	Public	S	Create system of cell/email alerts targeted by demographic use of cell/email Publicize more broadly + add cell phones; relocate placement of signup on town website			Town Manager Emergency Mgmt.	H	S
Emergency Response	Public Transportation (& Quaboag Connector)	Multiple	Private	V/S	Use school bus + Quaboag Connector to evacuate/transport vulnerable pop. to shelters/cooling centers; reverse 911 calls to carless residents			PVTA Quaboag Valley CDC Town Manager Board of Selectmen Planning	H	S
Facilities	Community Benefit Advisory Committee of Baystate members (churches, hospital, food pantry)	Downtown	Private	S	Plan agreement to provide shelter			Baystate & Board of Health Emergency Mgmt.	H	S
Planning	Emergency Response in Remote Areas	Multiple	Private	V	Create emergency plans + exit routes Utilize satellite police/fire/amb. for western Ware			Town Manager Board of Selectmen	M	L/O
Social Capacity	Hospital/BHN Social Services/Faith Comm./Sr. Ctr/Education 2 Employment/Education/Ware Adult Learning Center/Quaboag Hills Community Coalition/Substance Use Alliance	Downtown	Public/Private/Nonprofit	S	Create regional volunteer emergency response team + wellbeing checks			Emergency Mgmt.	H	S/O
Social Capacity	Aging Population	Multiple	N/A	V	Hold sessions to encourage intergenerational communication/preparedness awareness			Senior Center Schools Faith Community	H	O
Social Capacity	Communication between Community Groups	N/A	N/A	V	Establish neighborhood networks + incentivize building relationships Improve communication between social organizations (churches, etc) and emergency facilities for use of shelters, recovery facilities during/after emergencies			Citizen-led	H	O
Environmental										
Land Acquisition	Grenville Park + Ware River	Downtown/ Upper Church	Public	S	Land acquisition in floodplains + wetlands, areas that affect flooding, wetlands preservation			EQLT DCR Cons. Comm. Landowners	M	L
Town Policies	Town trees (including Grenville Park)	Multiple	Public	V	Maintain growth Implement Forest Mgmt Program + undergrowth mgmt for fire mitigation			DCR Tree Warden Cons. Comm. EOLT	H	O