

Mitigation Action Plan 2018

Work Session 3

2/13/2018

Hazard Mitigation Actions for WEBSTER

2012 Deferred Action

2018 New Action (from Problem Statements, Other Discussion)

TASKS: Determine the 2018 Mitigation Actions, Identify Action Timeframe for Completion, Who is Responsible, Approximate Cost and How each Action should be Funded. UPDATE the Description and Evaluation of Actions in detail, Identify the Hazards Mitigated, and Describe the Affected Location in Town. Consider developing additional Mitigation Actions using the *example discussion items in red* at the bottom of each table.

Short Term
1-2 Years
Medium Term
3-4 Years
Long Term
4 to 5 Years

Action Timeframe	Description of Timeframe
Ongoing	Action undertaken throughout the life of the 5-year Plan
Short Term	Action should be undertaken during Years 1-2 of the Plan
Medium Term	Action should be undertaken during Years 3-4 of the Plan
Long Term	Action should be undertaken during Years 4-5 of the Plan

Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure or Release, Debris, Hazardous Materials, Public Health, Sabotage

Local Planning and Regulations Actions

Action Number	Action	Action Timeframe	Ranking Score Relative Ease of Completion	Who is Responsible	Approximate Cost to Town*	Description and Evaluation of Action	What Hazards Does Action Mitigate?	Affected Location in Town	What Approximate Cost Will Pay For	How Funded
#36-2012	Upgrade Town Roads Policy			Select Board		Provides a standard policy and guidelines set to follow during emergencies.	Flood, Scouring & Erosion, Storms, Wind, Wildfire	Town Roads	Cost is for	
#48-2012	Update the Zoning Ordinance to Comply with NFIP Requirements			Planning Board		The Zoning Ordinance needs to be updated as new requirements to the National Flood Insurance Program are necessary for retention of NFIP participation. The Floodplain Ordinance protects life and property by regulating distance of structures to flood hazard areas, regulating elevation, clarifying definitions, regulating new structures and encroachments, stating duties of the Life Safety Officer, etc. In 2010, the Town adopted the recommended updates to the ordinance. The existing ordinance is amended with federal updates on an ongoing or as-needed basis.	Flood, Ice Jams	Floodplain	Cost is for	

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#56-2018	Develop a New Policy for Landowners and Electric Companies to Proactively Collaborate on Trimming Hazardous Trees on Scenic Roads			Planning Board		A new Planning Board Policy is needed for electric companies to proactively seek Planning Board permission to trim hazardous trees on scenic roads on behalf of landowners who have hazardous tree problems. This will differ from the existing PB regulations regarding tree trimming on scenic roads. Some of the trees that regularly fall on powerlines during storms are located on scenic roads in Town. Power companies and landowners cannot cut back the trees on scenic roads until they fall due to protective regulation. Landowners have to wait until trees fall onto roads and powerlines because utilities obtain approval to trim perhaps once per year in these areas.	Wind, Storms, Winter, Lightning, Wildfire	Designated Scenic Roads	Cost is for	
#64-2018	<i>Other Ordinance or Regulation revisions related to natural hazard protection? Fluvial erosion hazard zone, slopes, wetlands, fire suppression, earthquake, tree breaks, second egress, better road construction standards, etc?</i>									
	<i>Other new Plan to mitigate natural disasters?</i>									
	<i>Other new codes for wind, snow load, or earthquakes, or regulations for underground utilities?</i>									

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#20-2012	Repair Clothespin Bridge			Select Board	\$2,000,000	Clothespin Bridge is structurally deteriorating - deckings, its footings eroded by water, etc. The bridge is not yet red-listed, but it is an old one-lane bridge. Clothespin Bridge serves as the primary access road to the east side of the Town for Pillsbury Lake fire response, and the Fire Dept needs to get apparatus across. The bridge is also the primary route for Concord Fire Dept trucks coming through. The bridge is inspected every year by the State, which provides maintenance funding every 2 years.	Flood, Scouring & Erosion, Storms	Clothespin Bridge Road	Cost is for	Bond
#22-2012	Upgrade First Culvert on 524 Deer Meadow Road	Short Term (Phased over 2 years, 2018-2019)		Highway Department	\$5,000	Upgrade existing 100' culvert to 18" in diameter. Town ROW contains 40' of culvert, and the Highway Department has added 60' of culvert to get it into Pillsbury Lake. Between Centennial and Mount Vernon terrace, a sinkhole keeps appearing. Often in the summer, water doesn't run there, so a regular culvert 18" should suffice.	Flood, Scouring & Erosion, Storms	Deer Meadow Road	Cost is for	Highway Dept General Maintenance Budget
#25-2012	Install Dry Hydrant at Pond on 1093 Long Street Property			Fire Department	\$5,000	The dry hydrant would serve Long Street & Battle/Route 127 & Pleasant Street. Resident offered opportunity for Fire Dept to place it on their property. This site is closer than the Beaver dam location. 1612 Battle Street dry hydrant is the next closest one for the area.	Lightning, Wildfire	Long Street	Cost is for	Warrant Article
#31-2012	Repair Detour Road			Highway Department	\$100,000	Detour Road suffers from erosion due to flooding, and repairing 1/2 - 1/3 of a mile of the road would prevent future occurrences. Ditching and fixing swales would help correct the problem. This Action was deferred from 2007 because other Actions took higher priority.	Flood, Scouring & Erosion, Storms	Detour Road	Cost is for	Highway Dept General Maintenance Budget
#32-2012	Upgrade White Plains Road over Schoodac Brook Culvert Bridge			Highway Department	\$450,000 in 2007 + 15%	Currently, the three 33" culverts which comprise a bridge under White Plains are considered a red-lined bridge by NHDOT. Town has their share of the funding ready, but the State does not yet have their portion. The soonest the project could occur is 2013, but the bridge has been redlined for 10 years.	Flood, Scouring & Erosion, Storms	White Plains Road	Cost is for	NHDOT Transportation Enhancement Grant Funding

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#57-2018	Install a Cistern to Hold an Emergency Supply of Water at the Pillsbury Lake Village District					The Town should work with the PLVD to purchase and install a cistern at the Water District to enable public usage during a disaster. Recent drought has dried private water wells and may do so again. An earthquake could damage the private wells in Town, resulting in residents without potable water.	Flood, Wildfire, Earthquake, Drought	Pillsbury Lake Village District	Cost is for	
#58-2018	Install Lightning Rods and Grounding Equipment at the Town Office and Public Safety Building					The Town Office and Public Safety Building do not have lightning rods and surge protectors at the main electrical box source to offset lightning strikes. Lightning is a concern as the computer systems are vulnerable as well as the buildings. Lightning has caused similar problems in surrounding communities.	Lightning	Town Office, Public Safety Building	Cost is for	
	<i>Other culvert, bridge, or drainage upgrades, stormwater, or road reconstructions? Redlist bridge rehabilitations?</i>									
	<i>Other sewer or water line upgrades, water tanks anchoring? Other ways to deal with hazardous trees in right of way?</i>									
	<i>Other building stabilization projects, sprinkler retrofits, floodproofing of town facilities, major improvements, dam upgrades?</i>									
	<i>Other installation of cisterns, dry hydrants? Installation of a river gage?</i>									

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Natural Systems Protection Actions

Action Number	Action	Action Timeframe	Ranking Score Relative Ease of	Who is Responsible	Approximate Cost to Town*	Describe and Evaluate the Action	What Hazards Does Action Mitigate?	Affected Location in Town	What Approximate Cost Will Pay For	How Funded
#59-2018	Develop a Policy for Fire Department Inspection of the Anchoring and Securing Against Flotation of Aboveground Tanks and Agricultural Supplies of Landowners along the Blackwater River					Develop a policy for Fire Department inspection of the anchoring and securing against flotation the aboveground tanks and agricultural supplies of landowners along the Blackwater River. The unsecured propane or gas tanks, agricultural fertilizer, and objects along the floodplain of the Blackwater River are a real risk if swept away during a flood or during release of Blackwater Dam water. When the Dam water is released, it carries unsecured objects downstream. Ice jams form in backyard of shoreland landowner houses and collect objects. Swept away debris can be large, hazardous and/or explosive	Flood, Scouring & Erosion, Ice Jam, Dam Failure or Release, Wildfire, Hazardous Materials	Blackwater River Shoreland and Floodplain	Cost is for	
#60-2018	Purchase Land and Construct a New Town Salt Shed to Protect the Quality of the Blackwater River					The Town's salt and sand shed floods regularly and could be polluting the Blackwater River. The building and site are too close to the river and need to be moved in the future. Some upgrades were made to the road this year, but it will not be enough. The long term solution is to purchase new Town land and build a new salt shed with appropriate shoreland setbacks to protect the quality of the Blackwater River	Flood, Scouring & Erosion, Ice Jam, Wind, Storms, Dam Failure or Release, Winter, Hazardous Materials	Blackwater River Shoreland and Floodplain	Cost is for	
	<i>Other new studies and inventories: environmental protections, mapping, debris, water quality assessments? Regulations for recreational use of public riverland?</i>									

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	<i>Other land acquisition to protect from flooding, wildfire, flood storage capacity? Projects to destabilize riverbanks?</i>									
	<i>Other energy conservation measures in Town facilities?</i>									
	<i>Other brownfields clean up projects or hazardous waste collections?</i>									

Education and Awareness Programs Actions

Action Number	Action	Action Timeframe	Ranking Score, Relative Ease of Completion	Who is Responsible	Approximate Cost to Town*	Describe and Evaluate the Action	What Hazards Does Action Mitigate?	Affected Location in Town	What Approximate Cost Will Pay For	How Funded
#45-2012	Participate in National Flood Insurance Program (NFIP) Training			Emergency Management, Police and Fire Departments, Life Safety, Town Administration	\$0	In order for Planning Board and Zoning Board of Adjustment members, Emergency Management Director and the Life Safety Officer and Town Administrator to remain current with NFIP procedures and policies, regular training must be taken. Online webinars or local workshops are occasionally offered by the State and/or FEMA (or in other training) and address flood hazard planning and management.	Flood, Scouring & Erosion, Dam Failure or Release	Blackwater River Shoreland and Floodplain	Cost is for	N/A

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#50-2012	Develop Evacuation Plan for Multiple Hazards			Emergency Management	\$2,000	The Multiple Hazard Evacuation Plan would allow the evacuation of residents during emergencies resulting from different hazard events in different locations. The list generated (and annually updated) of residents in need of special assistance will be of use when developing the Plan.	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Dam Failure or Release, Debris, Hazardous Materials, Public Health	Entire Town, Vulnerable Population Areas	Cost is for	EMD Budget or Warrant Article, or Homeland Security Grant
#61-2018	Develop a Public Education Program for Blackwater River Shoreland Landowners of the Flotation Risks of Unsecured Tanks, Objects and Agriculture Supplies and Provide Resources for Anchoring Contents					After the policy is developed for Fire Department inspection of the anchoring and securing against flotation the aboveground tanks and agricultural supplies of landowners along the Blackwater River, a public education campaign is necessary to talk with landowners prior to inspection. Landowners of large brooks and streams may also benefit. The unsecured propane or gas tanks, agricultural fertilizer, and objects along the floodplain of the Blackwater River are a real risk if swept away during a flood or during release of Blackwater Dam water. When the Dam water is released, it carries unsecured objects downstream. Ice jams form in backyard of shoreland landowner houses and collect objects. Swept away debris can be large, hazardous and/or explosive	Flood, Scouring & Erosion, Ice Jam, Dam Failure or Release, Wildfire, Hazardous Materials	Blackwater River Shoreland and Floodplain	Cost is for	
#62-2018	Work with USACE to Develop a Policy for the Specific Notification of Shoreland Landowners and the Town of the Impending Releases of Blackwater Dam Water					The federal Blackwater Dam mismanages the releases of Blackwater River floodwaters which affects the integrity of the banks downstream, causing erosion, mass bank failure with trees falling, flooding of acres of private property along the shoreland. No announcements are given when floodgates will open, resulting in a danger to river users and property owners. The natural environment suffers because of the intensity of release.	Flood, Scouring & Erosion, Dam Failure or Release	Blackwater River Shoreland and Floodplain	Cost is for	

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#63-2018	Develop a Public Education Program Connecting the Electric Companies and Scenic Road Landowners Enabling the Advance Trimming of Hazardous Trees					After the new Planning Board Policy is developed enabling electric companies to proactively seek Planning Board permission to trim hazardous trees on scenic roads on behalf of landowners who have hazardous tree problems, a public education campaign of scenic road landowners will be necessary. Some of the trees that regularly fall on powerlines during storms are located on scenic roads in Town. Power companies and landowners cannot cut back the trees on scenic roads until they fall due to protective regulation. Landowners have to wait until trees fall onto roads and powerlines because utilities obtain approval to trim perhaps once per year in these areas.	Wind, Storms, Winter, Lightning, Wildfire	Designated Scenic Roads	Cost is for	
	<i>Other new public education programs: evacuation, public health, manufactured home structure protections, fire prevention, NFIP, sign up CodeRed or other Town notification system, etc?</i>									