



Local Hazard Mitigation Plan Update

Hazard Mitigation Projects
Meeting

9 May 2024



Local Hazard Mitigation Plan Update Projects Meeting

Agenda

- **Timeline of Deliverables Review**
- **Hazard Mitigation Projects (previous and new)**
- **Next Steps**



Local Hazard Mitigation Plan Update Projects Meeting

Timeline of Deliverables





Local Hazard Mitigation Plan Update Projects Meeting

Previous Hazard Mitigation Projects

	High Priority Project	Medium Priority Project	Low Priority project
COST	<\$25,000 (low)	>\$25,000 - \$100,000 (med.)	>\$100,000 (high)
BENEFIT	addressed public safety	addressed infrastructure &/or general maintenance	addressed aesthetics/functionality
Risk to Community	High community vulnerability	Medium community vulnerability	Low community vulnerability
Mitigation Solution	Likely to mitigate most of the problem	Likely to mitigate some of the problem	Likely to mitigate little or none of the problem
Funding	readily available/attainable	Limited funding; may require a significant match	No financial assistance available
Staff Capacity	Available to carry out	Limited capacity	Little or no capacity
Community Support	strong	average	weak



Local Hazard Mitigation Plan Update Projects Meeting

Previous Hazard Mitigation Projects

Hazard Mitigation Projects Schedule						
Hazards Mitigated	Mitigation Action	Local Leadership	Partners	Possible Funding Resources	Project Time Frame Start & End	Priority
Regulatory Flood Mitigation Measures						
Flooding/ Flash Flooding/ Fluvial Erosion & Ice Jam	Work with VT DEC (ANR) to analyze how to prevent non-compliant structures in the future and to identify and bring existing non-compliant structures into compliance	Selectboard, Planning Commission, Local Floodplain Administrator	CVRPC, VT DEC State Floodplain Manager	CVRPC Technical Assistance, Town Budget	Spring 2017- Spring 2018	Low



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Non-Regulatory Flood Mitigation Measures						
Flooding/ Flash Flooding/ Fluvial Erosion	Take actions to reach a consensus decision of which mitigation project to pursue to protect Roxbury Flats from flooding of Flint Brook. Such activities could include: <ul style="list-style-type: none">• identify interests & build consensus of property owners in Roxbury Flats neighborhood.• buyout, elevate, or flood proof vulnerable homes• other options developed in consultation with property owners	Selectboard	CVRPC, VTrans, DEMHS, NECR	Town Budget, Other TBD	Fall 2017- Fall 2022	High
Flooding	Explore stream management permitting at the south end of Roxbury village where flooding occurs. Coordinate presentation, on site meeting, and discussion with permitting authorities, the municipality, and landowners to determine under what circumstances removal of woody debris and sediment, or other active management projects, could be permitted.	Selectboard	ANR Rivers Managmnt. & Wetlands Divisions	FEMA Hazard Mitigation Grant Program	Spring 2017- Summer 2018	Med



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Transportation						
Flooding/ Flash Flooding/ Fluvial Erosion	Better Roads Erosion Inventory & Capital Budgeting: Conduct assessment to develop budgeting plan for highway infrastructure improvements that address water quality and fix infrastructure at-risk to erosion from water	Selectboard & Road Commissioner/ Foreman	ANR, Agency of Transportation, CVRPC	ANR Better (Back) Roads (grant)	Summer-Winter 2017	High
Flooding/ Flash Flooding/ Fluvial Erosion	Apply for 2017 Better Roads grant to fix culvert on Cram Hill Road (1.84 miles from Rt.12A) that washes straight across road causing some damage. Aug. 2013 Hydraulic Study.	Road Commissioner	ANR, Agency of Transportation, CVRPC	ANR Better (Back) Roads	Spring 2017-Summer 2017	High



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Railroad						
Railroad Transport Accident	Participate in next Rail Car Incident Response Course offered by VT Dept. of Public Safety or State Fire Academy	Fire Chief & Emergency Management Director (EMD)	VT Dept. of Public Safety, State Fire Academy	No Cost Training	October 7, 2017 @ Berlin, VT (Next offering not scheduled but Spring 2018 possible)	Med
Severe Storm or Severe Winter Weather Causing Power Outage						
Severe Storm or Severe Winter Weather Causing Power Outage	Establish protocols with GMP & Wash. Electric for reporting imminent hazards threatening the electrical system	EMD, Road Foreman, Fire Chief	GMP, Washington Electric, CVRPC	Town Budget, Volunteer resources	Start & Complete in June 2017	High



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Previous Hazard Mitigation Projects

- ☐ Actions must be considered across the following categories:
 - ☐ Structure and Infrastructure Projects (e.g. culvert upsizing, bridge replacement)
 - ☐ Natural Systems Protection (e.g. streambank restoration)
 - ☐ Local Plans and Regulations (e.g. adoption of River Corridor bylaws, updating your town plan to better integrate with the Local Hazard Mitigation Plan)
 - ☐ Education and Awareness Programs (e.g. sending out information flood mitigation opportunities for homeowners with their tax bills, having a discussion at Town Meeting day on town mitigation actions)
- ☐ Identify at least one mitigation action for each hazard prioritized/profiled in the plan. Mitigation actions must reduce risks associated with vulnerabilities identified in the plan.



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Previous Hazard Mitigation Projects

Updated: 17 April 2024							
Hazard	Probability	Potential Impacts					Total Score
		Infrastructure	Life	Economy	Environment	Average	
Fluvial Erosion	4	4	3	4	4	3.75	15
Inundation Flooding / Flooding	4	4	3	4	2	3.25	13
Wind*	4	3	3	3	2	2.75	11
Ice*	3	3	3	3	2	2.75	8.25
Snow*	4	1	3	2	1	1.75	7
Invasive Species	3	1	2	3	3	2.25	6.75
Heat	3	1	3	2	2	2	6
Cold	3	1	3	2	2	2	6
Drought	3	1	2	2	3	2	6
Landslides	3	3	2	1	2	2	6
Wildfire*	2	3	3	3	2	2.75	5.5
Infectious Disease Outbreak	2	1	3	3	2	2.25	4.5
Earthquake*	2	1	2	2	2	1.75	3.5
Hail*	3	1	1	1	1	1	3
*indicates power outage possibilities							



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Next Steps

- **Next Meeting: Draft Plan Development**



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Questions?