

# Fayston Local Hazard Mitigation Plan 2016

## Hazards, Vulnerability & Mitigation Brainstorm Meeting

May 15th, 2016

9:30 am – 11:30 am

Robert Vasseur Town Hall

### AGENDA

**Purpose:** To determine the hazards which are most important for Fayston to conduct hazard mitigation planning for, and to identify potential mitigation projects the team would like to explore in further detail

9:30 am - Introductions – Name and Department/Position

9:35 am - Top Issues – identify any mitigation issues that committee members feel must be pursued for a mitigation project in the Plan

9:50 am - Worst Threat Hazards – determine the most important hazards which planning will focus on

10:30 am - Brainstorm Mitigation Strategies – identify potential mitigation projects which the team would like to pursue or for further evaluating project feasibility

11:20 am – Next Steps & July Meeting

11:30 am – Meeting Concludes

**Preparation:** Please reflect on mitigation issues that have risen to the top for Fayston over the last five years. Please also review the following two attachments:

- Proposed Hazard Risk Assessment
- 2011 Hazard Mitigation Project Status

# Fayston 2016 Hazard Mitigation Plan

## *Proposed* Hazard Risk Assessment

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The following table proposes rankings for the hazards that may affect the Town of Fayston. Please review the table and be prepared to discuss selection of four to six (4-6) worst threat hazards for the Draft Local Hazard Mitigation Plan to focus on. The proposal is based upon review of the 2011 Fayston Local Hazard Mitigation Plan, the 2013 State of Vermont Hazard Mitigation Plan, and data on specific hazards available from various sources.

Hazard	Likelihood <sup>1</sup>	Community Vulnerability <sup>2</sup>	Worst Threat
Flash Flood/Flood/Fluvial Erosion	High	Moderate	X
Hurricane/Tropical/Severe Storms	Med	Severe	X
Extreme Cold/Winter Storm/Ice Storm	High	Moderate	X
Severe Thunderstorms	High	Moderate	X
Invasive Species (Emerald Ash Borer, etc.)	Med	Moderate to Severe	X
Land/Rockslide/Debris Flow	Med	Moderate	X
High Wind	Med	Moderate	
Wildfire/Forest Fire	Low	Severe	"X" (2011 Plan)
Terrorism (school or cyber incident, etc.)	Low	Severe	
Dam Failures	Med	Minimal	
Hail	Med	Minimal	
Highway Rock Cuts	Med	Minimal	
Avalanche	Med	Minimal	
Infectious Diseases Outbreak	Low	Moderate	
Structural Fire	Low	Moderate	
Tornado	Low	Moderate	
Civil Disturbance	Low	Moderate	
Drought	Low	Minimal	
Earthquake	Low	Minimal	
Ice Jam	Low	Minimal	
Water Supply Contamination	Low	Minimal	
Expansive Soils	Low	Minimal	
Extreme Heat	Low	Minimal	
Nuclear Power Plant Failure	Low	Minimal	

<sup>1</sup>Likelihood: **High** – Nearly 100% probability of happening in the next year  
**Medium** – will happen at least once in the next 10 years  
**Low** – will happen at least once in the next 100 years

<sup>2</sup>Community Vulnerability: **Severe** – the hazard presents the threat of disaster  
**Moderate** - a hard hit, but doesn't constitute a disaster nor a routine emergency  
**Minimal** - routine emergency (keep in mind that many routine emergencies over a season or year can add up to heavy cost burdens...)

Methodology further described on next page...

After being rated for each Likelihood and Community Vulnerability, hazards are then ranked according to the most threatening combination of likelihood and community vulnerability. If hazards are tied, the Local Mitigation Team will determine which is more threatening by considering the magnitude of the hazard, prior impacts the hazard type has caused, the value of the community assets vulnerable to the hazard, the level of community preparedness or existing mitigation, and resources available to mitigate the hazard. Reasons for ranking in the case of a tie will be documented.

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## 2011 Hazard Mitigation Project Status

The following projects were proposed for implementation in the 2011 Fayston Hazard Mitigation Plan. As part of the update process for the Plan in 2016, the current status of each project has been identified.

Mitigation Project	Local Leadership Designated	2016 Project Status	<b>If not complete:</b> <i>Explain Why the project is no longer relevant, Why town priorities have changed, or other reasons the project was not completed.</i>
Work with the Pipers/landowners on Randall Rd to install a culvert	P.C, Road Foreman	Pending	Culvert installation is scheduled for 2017
Replacement and upgrade culverts on German Flats Rd (6 ft culvert), Reinken Rd, Center Fayston Rd, Moulton Rd (4 ft culvert), Old Mansfield Rd, Phen Rd, Tucker Hill Rd, Fayston Farms Rd	P.C, Road Foreman, VTrans	Completed	Culverts upgraded on: German Flats Road Moulton Road Old Mansfield Road Phen Road Fayston Farms Road  It was determined issues on Tucker Hill Road would be best addressed with extensive ditching. The Reinken Road culvert is privately maintained
Require fire extinguishers at yurt sites on True North Property	S.B., Z.A.	No Longer Relevant	The project proposal was withdrawn and the outdoor therapy camp was not constructed.
Develop regulations for driveway culverts; have private landowners be responsible for maintenance and upgrades	S.B., P.C., Z.A.	Complete	A Highway Access Permit Ordinance was adopted on May 28, 2013
Provide education for landowners regarding storm water, culverts and low impact development	S.B., P.C., Z.A.	Ongoing	Friends of the Mad River continues to provide outreach directly to landowners. This strategy will likely be incorporated into the 2016 Plan.

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Work with State to develop alternative water supplies in State Forest for wildfire suppression purposes	P.C, Fire Dept, VT ANR	Complete	A Fire Pond has been installed at the Fayston Town Garage.
Re-engineer Number Nine Rd to decrease probability of landslide	S.B, Road Foreman	Continuing	Selectboard has contracted with engineering firm to conduct geologic evaluation and propose methods to stabilize the slumping bank. This strategy will be incorporated into the 2016 Plan.
Develop public education materials about reducing wild fire risk	Fire Dept, S. B		
Work with elected officials, the State and FEMA to correct existing compliance issues and prevent any future NFIP compliance issues through continuous communications, training and education	P.C, ANR, S.B, Road Foremen		