

City of Concord, NH

Hazard Mitigation Plan Map I - Potential Hazards

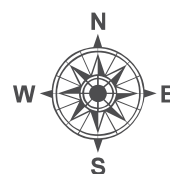


This map was produced jointly by the Central NH Regional Planning Commission and the City of Concord for the Concord Hazard Mitigation Plan, September 2022.

Funded through NH Homeland Security Emergency Management and the Federal Emergency Management Agency.

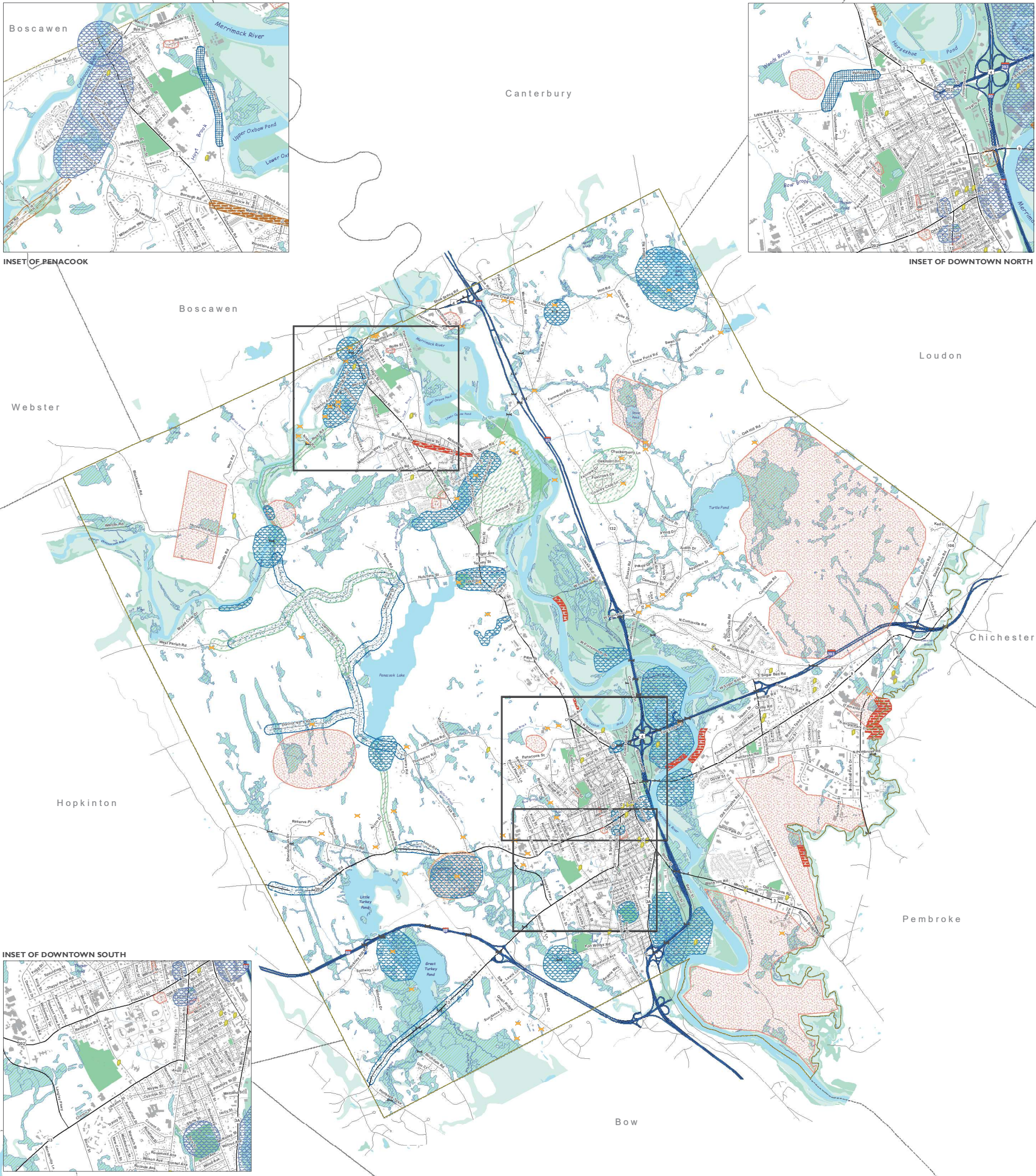
DATA SOURCES: NH GRANIT, CNHRPC, City of Concord, Concord Fire Department, Concord Hazard Mitigation Committee, City input.

Corrections should be provided to the City of Concord and to CNHRPC.



Legend

- Bridges**
 - City Owned
 - State Owned
 - Private
- Dams**
 - High Hazard
 - Significant Hazard
 - Low Hazard
 - Non Menace Structure
- Evacuation Routes**
 - Primary
 - Secondary
- Areas Susceptible to:**
 - Confagration
 - Ice & Snow Damage
 - Wildfire
 - Flooding
 - Wildfires
 - Erosion
 - Dam Breach
- Steep Slopes (>25%)**
- Business Areas**
- City Parks and Green Spaces**
- Buildings**
- Surface Waters**
 - Streams
 - Wetlands
 - Floodplain
 - 0.2% Annual Chance Flood Hazard
 - 1% Annual Chance Flood Hazard
- Streets**
 - Interstates
 - Arterials
 - Local Streets
 - Private
 - Concord City Boundary



City of Concord, NH

Hazard Mitigation Plan Map 2 - Past Hazards

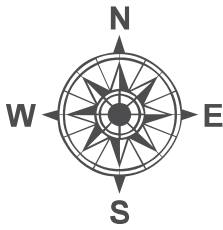


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DATA SOURCES: NH GRANIT, CNHRPC, City of Concord, Concord Fire Department, Concord Hazard Mitigation Committee, City input.

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Legend

Past Hazards:

- Flood Damage**
- Lightning
- Wildfires
- Wind Damage**
- Ice and Snow Damage***
- Lightning

- City Parks and Green Spaces
- Buildings
- Surface Waters
- Streams
- Wetlands
- Floodplain
 - 0.2% Annual Chance Flood Hazard
 - 1% Annual Chance Flood Hazard

Streets

- Interstates
- Arterials
- Local Streets
- Private
- Concord City Boundary
- Bridges
- Dams

** Flood Damage occurs all along the Merrimack River, and throughout the City

*** Wind, Ice, and Snow Damage occur throughout the City

B Annual Interim Plan Evaluation and Implementation Worksheets

To get the permanent Hazard Mitigation Committee started on its activities during the Interim Update Meetings, **APPENDIX B Evaluation and Implementation Worksheets** are provided. These example working documents include administrative and organizational Word and Excel format files, draft Agendas, a Mitigation Action Progress Report, a file to track the progress of Actions to completion, and a file to evaluate the effectiveness of the Plan (a way to make notes for future improvement). These documents are only a starting point for communities to help guide implementation during the interim years of Plan approval (**2024**) through Plan lapse (**2029**). Contact [CNHRPC](https://cnhrpc.org) at 603-226-6020 or at salexander@cnhrpc.org for information about implementation assistance.

COMMITTEE ORGANIZATION AND PUBLICITY DOCUMENTS

- 📄 Motion & Suggested Hazard Mitigation Committee Membership
- 📄 Interim Meeting Publicity- Template Press Release and Public Notice Meeting Poster

MEETING & WORKING WITH THE MITIGATION ACTIONS

- 📄 Example Agendas for Interim Meeting 1 and Meeting 2
- 📄 Hazard Mitigation Action Status Tracking Sheet (Excel)
- 📄 Mitigation Action Progress Report for Departments & Boards (optional)
- 📄 Annual Hazard Mitigation Plan Evaluation Worksheet

Suggested Hazard Mitigation Committee (HMC) Members and Community Stakeholders

PURPOSE OF THE HAZARD MITIGATION COMMITTEE ESTABLISHMENT (FOR MOTION)

The purpose of the Hazard Mitigation Committee (HMC) is to oversee the development, update, and implementation of the City's Hazard Mitigation Plan (HMP) which is approved by the NH Homeland Security and Emergency Management through the authority provided by Federal Emergency Management Agency (FEMA) Region 1. Because the current [Date] Plan lapses within five years of its approval date and must be maintained by the HMC to ensure the City remains eligible for federal mitigation grant funding opportunities, the City of **Concord** intends to update its HMP with current information to ensure conformity with the latest standards and to receive new approvals.

The City's HMP update and development are transparent, open public processes where multiple perspectives are valued and encouraged. The following **City Appointee** positions should be considered for HMC membership. Additional open positions on the HMC should be set aside for **At-Large Stakeholders** to serve if they choose. **Guest Invitees** welcomed by the **Staff Coordinator** and HMC Appointees will provide a more rounded representation of the community and will add more expertise to the HMC. (Meetings are typically held in the daytime.)

SUGGESTED CITY APPOINTEES AND STAKEHOLDER INVITEES TO HMC SHOULD INCLUDE:

SUGGESTED HMC City Appointee (revise titles as applicable)	SUGGESTED HMC At-Large Stakeholder Invitees (revise titles as applicable)
Emergency Management Coordinator	Member at Large: City Library representative
Deputy Emergency Management Coordinator	Member at Large: Historical Society member
Staff Coordinator of Haz Mit Committee	Member at Large: School Board/ District member
City Administrator	Member at Large: non-municipal representative
Fire Chief or Officer	Member at Large: Senior Center Representative
Police Chief or Officer	Other Member at Large:
General Services Director or designee	SUGGESTED HMC Guest Invitee – Personal Invitations from Staff Coordinator, EMD
Transfer Station Supervisor or designee	Neighborhood Representative
Code Enforcement	Populations at Risk Representative
Community Devt: City Planner	Engaged Citizens, Neighborhood Representatives
Community Devt: Engineering	Business Community Representatives
Community Devt: GIS	Local & Regional Non-Profit Group Representatives
Planning Board volunteer	Abutting Community Emergency Management Directors
Conservation Commission volunteer	NH Homeland Security & Emergency Management Field Rep
Parks and Recreation volunteer	NH State Agency Representatives
Energy Committee volunteer	Capital Area Public Health Network Representative
Other Appointee:	Merrimack County, State or Federal Agency Representative
	NH State Representatives
Member at Large: City Library Director	Other Guest:





City of Concord, New Hampshire
Concord Fire Department Administration
Training Building
24 Horseshoe Pond Lane
Concord NH, 03301
603.225.8650

Day, [Press Release Date]
FOR IMMEDIATE RELEASE

For more information contact:

John Chisholm, Fire Chief, 603.225.8650 or jchisholm@concordnh.gov

PRESS RELEASE

Concord Hazard Mitigation Plan 2024 Implementation Meetings

CONCORD: [Press Release Date] – With the Hazard Mitigation Plan’s recent 2024 update and approval, the City’s Hazard Mitigation Committee will begin holding working meetings to discuss implementing some of the priority mitigation actions for the coming year. Community leaders, residents, local and regional agencies, and those who are interested in protecting the City from severe weather events and natural disasters are cordially invited to attend and participate in discussions. The Hazard Mitigation Plan identifies the City’s vulnerability to natural hazards such as flooding, storms, severe winds, winter weather, drought and more, and lists mitigation actions for the City to complete over the next five years to help reduce hazard impacts to Concord. This approved Plan enables Concord to remain eligible for federal mitigation funding and disaster recovery monies.

Please join us at the Hazard Mitigation Committee’s PUBLIC MEETING at the **Concord Fire Administration Training Room, 24 Horseshoe Pond Lane** in Concord. All are invited to participate. The **Concord Hazard Mitigation Plan Update 2024** documents and maps are available for viewing on the City website at www.concordnh.gov.

For more information, contact John Chisholm, Fire Chief, at 603.225-8650 or jchisholm@concordnh.gov.

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PUBLIC NOTICE OF MEETINGS

City of Concord

[posting date xx-xx-xx]



Hazard Mitigation Committee Meetings
to implement Concord's newly approved

Hazard Mitigation Plan

Are you interested in protecting the City from severe weather events and natural disasters? Join us for discussions about implementing the Hazard Mitigation Plan's priority actions for the coming year! All are invited to participate.

Concord Hazard Mitigation Plan 2024 Implementation

Hazard Mitigation Committee Meeting

[Day], [Date] at [time :00 AM/PM]

Concord Fire Department Administration Training Room,
24 Horseshoe Pond Lane, Concord

View the recently approved Hazard Mitigation Plan and related documents on
the City website at www.concordnh.gov.

For more information contact John Chisholm, Fire Chief,
at 603.225.8650 or jchisholm@concordnh.gov.

Central New Hampshire Regional
Planning Commission (CNHRPC)
28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEMA REGION 1 Boston
www.fema.gov



City of Concord
Hazard Mitigation Committee (HMC) 2024-2029

HMC Interim Meeting 1

Day, Date, Year | 1:30 – 3:30 PM

Building | Address, City

AGENDA FOR HAZARD MITIGATION PLAN IMPLEMENTATION

- 1. Introduction: Attendance Sheet and Roll Call Attendance for All Participants**
- 2. Review Status of Chapter 8. Mitigation Actions**
 - What Mitigation Action projects have been **Completed** (When)?
 - **Active** projects (Year or Year+1)? **Pending** projects (Year+2)? Any **New** projects (When)?
- 3. Review HMC Year Action Priorities and Identify Actions for Year+1 Completion**
 - Identify Actions to Complete in Year
 - Identify Actions to Complete in Year+1
- 4. HMC Review Process for Distribution of Progress Reports for Year and Year+1 Actions**
 - Organize provision of a Mitigation Action Progress Report for each Year & Year+1 Action to Responsible Departments.
 - Provide information from Haz Mit Plan about the Actions to Depts, such as the Potential Action Evaluation and Mitigation Action Plan sections.
 - Reports due to Staff Coordinator
- 5. Thoughts about Posting & advertising the City's Online Hazard Mitigation & Severe Weather Event Community Survey Again**
- 6. Schedule Next Meeting (Next Quarter)**

As time permits:

- Update the Hazard Identification and Risk Assessment
- Update the Local and Area History of Disaster and Hazard Events

**Agenda 1 HMC Member
HOMEWORK:**

Fill out Progress Reports

Talk to Depts/Bds about
their Actions

Work on Your Actions

Send in Severe Weather
Photos to Staff Coord

Identify Recent Past
Severe Weather /Hazard
Events

Contact: Name, Staff Coordinator
City of Concord
Email address:
Phone:

**Central New Hampshire Regional Planning
Commission (CNHRPC)**

www.cnhrpc.org



City of Concord
Hazard Mitigation Committee (HMC) 2024-2029

HMC Interim Meeting 2

Day, Date, Year | 1:30 – 3:30 PM

Building | Address, City

AGENDA FOR HAZARD MITIGATION PLAN IMPLEMENTATION

- 1. Introduction: Attendance Sheet and Roll Call Attendance for All Participants**
- 2. Roundtable Review: Review Status of the Identified Chapter 8. Mitigation Action Priorities, Year to Year+1 or Year+2**
- 3. Action Updates Since Last Meeting?**
 - Who has responsibility to lead each? Funding?
 - Other Actions to add to Implementation List?
 - **YES or NO? Request Official Action Progress Reports from Depts/Boards? (If Yes, due Date to Staff Coord)**
- 4. Group Consensus Activity: Update Hazard Identification and Risk Assessment**
 - Slightly different natural hazards. Rated by Probability of Occurring in City within Next 10 Years and estimated Severity of Impact to People, Infrastructure & Property
- 5. Roundtable Review: Recent Past Hazard Events Reports**
 - Describe the recent WHERE/WHAT/WHEN of notable severe weather events, natural hazards, or other hazards occurring in City by Hazard Category.
 - Email Photos of these events to Staff Coordinator. Photos will be placed into the HMP's Photographic History Appendix.
 - Discuss a permanent system to upkeep hazard/severe weather data by hazard type. File type? Who maintains file? How to ask each Dept for monthly updates?
- 6. Reminder to Advertise Haz Mit Severe Weather Online Survey**
 - Advertise & post Online Survey anywhere you can – note link
- 7. Schedule Next Meeting (Next Quarter)**

**Agenda 2 HMC Member
HOMEWORK:**

- 🕒 Fill out Progress Reports!!
- 🕒 Advertise the Survey!
- 🕒 Engage other people about Mitigation Actions:
 - a) Find out what mitigation or weather-related projects they are working on.
 - b) Get descriptions about their Recent Past Severe Weather /Hazard Event experiences and ask them to submit their Photos.
 - c) Email info Staff Coord.
- 🕒 Describe YOUR experiences with recent past Severe Weather or Hazard Events - WHAT happened? WHERE in City? WHEN was it?
- 🕒 Email YOUR recent Severe Weather/Hazard Event Photos (add date & location of where it was taken)!

Contact: Name, Staff Coordinator
City of Concord
Email address:
Phone:

**Central New Hampshire Regional Planning
Commission (CNHRPC)**

www.cnhrpc.org



Concord Hazard Mitigation Plan Update 2024		Lapses ➤ xx-xx-29	
Mitigation Action Project Progress Report Submit 1 Report Per Action/Project <i>Committee to include Ch 8. Action Plan pages that describe Action</i>		Report Date ➤ 12-31-24 <i>MM-DD-YY</i> <i>at least annually, semi-annually ideal</i>	
Progress Report Period From ➤ 01-01-24 <i>MM-DD-YY</i>		Period To ➤ 12-31-24 <i>MM-YY</i>	
Action/Project Title from Mitigation Action Plan ➤		Anticipated Cost \$ ➤	
Staff / Department / Board Responsible for Implementation ➤		Contact Name ➤ and Title ➤	
Direct Phone Number ➤		Email Address ➤	
Mitigation Action Plan Completion Date ➤ <i>MM-YY</i>		Realistic Start Date Goal ➤ <i>MM-DD-YY</i>	
Action/Project Implementation Status			
<i>Please check one Status box below and fill in the accompanying Action status information.</i>			
<input type="checkbox"/> Action is Completed Indicate When ➤ <i>MM-DD-YY</i>	Committee to move Completed Action from Ch 8 Mitigation Action Plan to Ch 7 Completed Action Table.		
<input type="checkbox"/> Action is Delayed Indicate Why ➤	Delayed START Until ➤	06-01-25 <i>MM-YY</i>	
<input type="checkbox"/> Action is On Schedule Indicate Start Date ➤ <i>MM-DD-YY</i>	Dept's Anticipated Completion Date ➤	12-31-25 <i>MM-YY</i>	
<input type="checkbox"/> Action should be Deleted Indicate Why ➤	Committee to move Deleted Action from Ch 8 Mitigation Action Plan to Ch 7 Deleted Action Table		
<input type="checkbox"/> Action is Ongoing ➤			
Summary of the Action/Project's Progress for this Period			
1. What was accomplished for this Action during this reporting period? ➤			
2. What obstacles, problems, or delays did the project encounter? could include... ➤ <ul style="list-style-type: none"> • Has funding (\$) been secured from City Appropriation or do grant applications need to be written? ➤ • Do you need assistance from another Department / Board /Staff member? ➤ 			
3. If not Completed, is the Action still relevant to the City? Yes or No ➤ <ul style="list-style-type: none"> • What steps should be taken, such as securing funding, permits, RFPs, etc.? ➤ • Should the project be changed or revised as described in the Haz Mit Plan? ➤ 			
4. Other comments? ➤			
Report Completed by ➤		Title ➤	

Annual Hazard Mitigation Plan Evaluation Worksheet

Hazard Mitigation Committee (HMC) Meeting Date of Evaluation: _____ For Calendar Year: _____	On behalf of the HMC, Completed By: _____ Department: _____
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Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
CHAPTER 1 APPENDIX Planning Process	Because hazard events can affect everyone in the community and surrounding area, should representatives from abutting communities, local organizations, businesses, and/or governmental agencies be invited to participate in the Plan's future updates? If not, why not? If so, who? How will the Committee contact these people?	
	Have any City Depts/Boards, local, regional, or state agencies been invaluable to implementing the mitigation strategy? Identify who if yes.	
	Should any Plan process procedures (e.g., Plan dissemination, public notification of meetings, meeting assignments, Plan updates, funding) be done differently or more efficiently? How?	
	Has the Hazard Mitigation Committee undertaken any public outreach activities? If not, why not? If so, how?	
	How can public participation in the Plan updates be improved?	
CHAPTER 5 CHAPTER 6 CHAPTER 8 Capability Assessment	Has the City, regional organizations, NH Departments, state or local organizations, or local businesses, etc. adopted new policies, plans, regulations, or reports that could be incorporated into this Plan (Chapter 6 Table of Mitigation Support Resource Documents)? List any here. Are there new, revised or additional administrative, human, technical, and financial resources (capabilities) available for mitigation planning and implementing the Plan (Chapter 6)? What are they? Add to the Capability Assessment tables.	<ul style="list-style-type: none"> List new referenced Documents and Date

SAVE ALL FILES generated during the annual Plan update and evaluation process. Email the final revised documents to CNHRPC at salexander@cnhrpc.org for archiving until the 5-year Plan update begins*

Send to Staff Coordinator via email to _____
City Building | Address, City

Annual Hazard Mitigation Plan Evaluation Worksheet

Hazard Mitigation Committee (HMC) Meeting Date of Evaluation: _____ For Calendar Year: _____	On behalf of the HMC, Completed By: _____ Department: _____
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Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
CONTINUED CHAPTER 5 CHAPTER 6 CHAPTER 8 Capability Assessment	Are there different or new education and outreach programs and resources available for Department mitigation activities (Chapter 6)? What are they?	
	Has NFIP (National Flood Insurance Program) participation changed in the City (Chapter 5)? What are the changes?	
	Are there new or changed critical or community facilities in the community since the last Plan (Chapter 5)? List here (see also Critical and Community Facility Vulnerability Assessment Excel file). Has valuation changed significantly? Have Primary Vulnerabilities (hazards) changed?	<ul style="list-style-type: none"> • List new or changed facilities • • • List Primary Vulnerability changes
CHAPTER 2 CHAPTER 3 CHAPTER 4 CHAPTER 5 Maps Hazard Risk Assessment	Has a new natural disaster or hazard event occurred to add to Chapter 4? List them with dates, what issues they caused for the City and residents. Were any photos taken by Depts or residents? Did you add the locations affected to the Maps 1-4? <i>Collect digital photos for the Plan Appendix and/or the cover of your next 5-year Plan!</i>	<ul style="list-style-type: none"> • List new hazard events or disasters with dates, problems in City • Email Photos of severe weather events or disasters to Staff Coordinator to add to Appendix E. • Add locations to the Maps
	Should the list of hazards addressed in the Plan be modified (Chapter 4)? How so? If hazards are modified, be sure to revise the Hazard Vulnerability Assessment accordingly	
	Are there new data sources and/or additional maps and studies available to review and reference? If so, what are they and what have they revealed? Should the information be incorporated into the next five-year Plan update?	List new data sources and information

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Annual Hazard Mitigation Plan Evaluation Worksheet

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Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
CHAPTER 2 CHAPTER 3 CHAPTER 4 CHAPTER 5 Maps Hazard Risk Assessment	Do any new critical facilities, infrastructure, or vulnerable sites need to be added or updated to the Chapter 5 asset tables (Critical and Community Vulnerability Assessment file)? What are they? Did you add them to the 24x36 maps?	
	Have any changes in development trends (population changes, new housing developments, new business or vulnerable areas, etc for Chapters 2, 4) occurred that could create additional risks?	
	Have mitigation objectives changed since the last Plan? What changes should be made? (Chapter 3)	
	Are there any new repetitive losses (flooding damage \$ claimed on NFIP policy) on a single property and/or severe repetitive losses to add to the document (Chapter 5)?	
CHAPTER 7 CHAPTER 8 CHAPTER 9 Mitigation Strategy	Are the mitigation strategies identified <u>for this year</u> in the Chapter 8 Action Plan being implemented as anticipated by the Committee? Were the cost and timeline estimates accurate? If no, why not and what are the changes to make to Chapter 8? <i>Add Completed or Deleted Actions to the respective Chapter 7 Completed / Deleted table and Chapter 7 (for Completed projects only), then remove the Action from the Chapter 8 Action Plan.</i>	<ul style="list-style-type: none"> List Action changes for this year
	Should new mitigation Actions be added to the Action Plan? Should existing mitigation Actions be revised or deleted from the Plan (Chapter 8)? Which ones?	<ul style="list-style-type: none"> List new Actions List revised Actions List deleted Actions
	Are there obstacles that were not anticipated in the Plan that will need to be considered in the next five-	<ul style="list-style-type: none"> List obstacles and solutions

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Annual Hazard Mitigation Plan Evaluation Worksheet

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Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
	year Plan update? What are they and how might they be addressed?	
	Are there new local, regional, non-profit, state, or federal funding sources to consider for funding any Chapter 8 Action projects? Who has been researching funding and developing/administering grant applications?	<ul style="list-style-type: none"> List new funding sources for specific Actions List staff grant writer resources
CHAPTER 6 CHAPTER 9 Plan Mainten- ance	Have elements of the Plan been incorporated into other local planning mechanisms (Subdivision & Site Plan Regulations, Zoning Ordinances, City Ordinances, Emergency Plans, School Plans, etc) or into regional plans (Chapter 6)? Which ones were successful?	<ul style="list-style-type: none"> List planning mechanisms which incorporated the Haz Mit Plan
	Was the Plan monitored and evaluated as discussed in Chapter 9? What positive changes should be made?	
	What are needed improvements to the written procedures or activities for the annual Plan maintenance in between the five-year Plan updates?	<ul style="list-style-type: none"> List improvements
	How many Hazard Mitigation Committee meetings have been held (or anticipated to hold) for this annual Plan update? Have the meetings been successful? How can the meetings be improved?	
APPENDIX CHAPTER 1 CHAPTER 9 Other Plan Evaluation	Is the City keeping records of the Agendas, Public Notices and all meeting announcements and postings, meeting summaries (or minutes) available for use in the five-year Plan update? Are they digital or paper? Where are they located? Who is tracking them?	

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Annual Hazard Mitigation Plan Evaluation Worksheet

Hazard Mitigation Committee (HMC) Meeting Date of Evaluation: _____ For Calendar Year: _____	On behalf of the HMC, Completed By: _____ Department: _____
---	--

Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
Consider- ations	Did any members of the public (not Committee, City volunteers or City Staff) attend any of the Haz Mit Committee meetings? About how many? How can the Committee increase public awareness and attendance at meetings?	<ul style="list-style-type: none"> List new public awareness techniques
	How is the City publicizing the Haz Mit Plan, if at all? Has the Committee considered posting the Plan, its Appendix, and its Maps to the City's website? Where are the Meeting Calendar, Agendas and Meeting Summaries publicized? Should Plan publicizing get better to gain more public support for budget increases? What solicitation efforts did the City take?	<ul style="list-style-type: none"> List publicizing methods, locations, and success measures List solicitation methods
	If local funding is needed for priority projects, who should "champion" the Action projects at City Meeting, Special Meeting, or City Budget meetings for Operating Budgets? Which projects, if any, need City funding this year? How can the need for the Action projects be promoted?	<ul style="list-style-type: none"> List Champions and their specific projects for local funding Use the Department Progress Reports for status updates
	Have there been any changes in public support and/or decision- maker priorities related to hazard mitigation? What are they? Positive or negative?	
Other Plan Evaluation Considerations Important to the Hazard Mitigation Committee		
Hazard Mitigation Plan Document and Appendix	Has the Haz Mit Plan itself been updated with all of the discussed changes and the Department Progress Reports? Who is in charge of doing this work? When will it be completed? Are the annual administrative digital documents (Agenda, Publicity, Meeting Summary, etc) being kept together for the updated Appendix? Where are they located?	
	Was CNHRPC added to the Committee email list to receive all materials? Have you provided CNHRPC with all of the final administrative digital Word & PDF documents and the annually updated Plan in Word to keep on hand for the 5-year update?	

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Annual Hazard Mitigation Plan Evaluation Worksheet

Hazard Mitigation Committee (HMC) Meeting Date of Evaluation: _____ For Calendar Year: _____	On behalf of the HMC, Completed By: _____ Department: _____
---	--

Plan Section: May Differ Per City	Questions for Consideration	Hazard Mitigation Committee Response During an Annual Interim Plan Update Meeting
	Have all the digital files been kept in an organized and easily retrievable location to use for the next year's update? Has any FEMA reimbursement paperwork for declared disasters been kept in the same location? Are the new photographs of disasters in the same location?	
	Other	
	Other	
Based on all responses, score the Overall Success of Plan Maintenance, Public Opportunity, Implementation of Actions, and Plan Update 2024:		① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ (least successful) (most successful)

Be sure to keep this annual evaluation to include with the next 5-year update of your Hazard Mitigation Plan. Please send this completed Word file to **CNHRPC Hazard Mitigation Project Manager*: Stephanie Alexander (CNHRPC) email: salexander@cnhrpc.org** for archival.

SAVE ALL FILES generated during the annual Plan update and evaluation process. Email the final revised documents to CNHRPC at salexander@cnhrpc.org for archiving until the 5-year Plan update begins*

Send to Staff Coordinator via email to _____
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C Meeting Information

When available, Meeting Agendas, Publicity, Press Releases, Attendance Sheets, Public Information Meeting documentation, and other meeting information files are provided in consecutive order by Meeting date.

 Publicity

 Meeting Agendas

 Attendance Sheets

Pages are in approximate consecutive order by Meeting date. Pages may not be available in all categories for each meeting.



City of Concord, New Hampshire
Concord Fire Department Administration
Training Building
24 Horseshoe Pond Lane
Concord NH, 03301
603.225.8650

FOR IMMEDIATE RELEASE

For more information contact:

John Chisholm, Interim Fire Chief, (603) 225-8650 or jchisholm@concordnh.gov

Concord Hazard Mitigation Plan Update 2022 Begins

First meeting is on Monday, April 18 via Zoom

CONCORD, NH (April 4, 2022) – The City’s Hazard Mitigation Committee will soon be meeting to update the **Concord Hazard Mitigation Plan 2017**. Every 5 years, the plan must be updated and approved to current requirements to ensure the City’s continued eligibility for federal disaster recovery and mitigation grant project funding. Recent past and potential natural disasters, severe weather events, and other hazard events will be assessed, and critical facilities, vulnerable areas and populations will be identified. The Committee will review existing mitigation capabilities and develop long-term risk reduction mitigation actions to help alleviate the impact of these events to Concord’s people, buildings, and property.

The Hazard Mitigation Committee will hold its first meeting remotely via Zoom on **Monday April 18, 2022 at 10:00 a.m.** Click to Join by Computer/Laptop/Tablet/Smartphone: <https://us02web.zoom.us/j/86545770478>. To listen by toll call, telephone dial US: +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799. Webinar ID: 865 4577 0478. Members of the public are invited to attend.

Additional meetings will be scheduled at this time. The draft Concord Hazard Mitigation Plan Update 2022 document is anticipated to be completed before the end of the year. All unique perspectives from stakeholders, engaged citizens, businesses, and organizations are invited to attend and participate in the Hazard Mitigation Committee’s discussion and decision making. For more information, contact John Chisholm, Interim Fire Chief, at (603) 225-8650 or jchisholm@concordnh.gov.

###

Emergency Management

Hazard Mitigation Plan Survey

The Concord Hazard Mitigation Committee is updating the City's 2022 Hazard Mitigation Plan and needs public input regarding severe weather events and hazard prevention.

Please fill out the following short survey to assist in getting community voices represented in the 2022 Hazard Mitigation Plan. Your input is greatly appreciated!

Survey link: <https://www.surveymonkey.com/r/ConcordHazMitNH>.

View the [City's calendar](#) for dates of upcoming meetings.

Emergency Management Information

The City Manager serves as the Emergency Management Director for the City of Concord. He is assisted in this duty by the Fire Chief, who serves as the Emergency Management Coordinator. The duties of Emergency Management include:

- Working closely with the State Division of Homeland Security and Emergency Management to coordinate preparedness, response, and recovery activities for disasters that affect the City.
- Providing training and resources to the leadership team and employees of the City to assure that they are prepared to take effective action during an emergency.
- Reviewing and updating hazard mitigation and emergency operations plans to reflect changing conditions and emerging trends.
- Participating in training exercises with other City departments and with other agencies from throughout the state and region to assure a well-coordinated response to major emergencies.



- Participating with the Capital Area Public Health Network to be prepared for public health emergencies, including infectious disease epidemics and mass sheltering in times of disaster.
- Educating our citizens through social media, print and electronic news sources, live presentations, and other means on how to prepare for and respond to a disaster.
- Maintaining a Community Emergency Response Team of citizens who understand how to prepare for a disaster and how to assist their neighbors and their community in preparation and response.

Contact Us

Fire Department

[Email the Fire Department](#)

Physical Address

24 Horseshoe Pond Lane

Concord, NH 03301

Phone: 603-225-8650 (non-emergency/business only)

Fax: 603-225-5833

Emergency: Call 911

Hours

Monday - Friday

8 a.m. - 4:00 p.m.

[Directory](#).

Quick Links

- [City of Concord Hazard Mitigation Plan \(PDF\)](#)

Event Details

Hazard Mitigation Committee Meeting

Monday, April 18, 2022

Date: April 18, 2022

Time: 10:00 AM - 12:00 PM

Link: Zoom link
(<https://us02web.zoom.us/j/86545770478>)

Join the City's Hazard Mitigation Committee to discuss the past and potential natural hazard and severe weather events, as well as human or tech events, in Concord and the risk to critical facilities and vulnerable areas. We'll identify the City's capabilities for mitigating disaster events. Tell us what matters to you. Help us develop Actions to better protect people, buildings, infrastructure, business, and property from natural hazards.

Meetings will be held remotely via Zoom.

Join by Computer, Laptop, Tablet, or Smartphone: <https://us02web.zoom.us/j/86545770478>.

To listen by toll call, telephone dial US: +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799. Webinar ID: 865 4577 0478



City of Concord

Hazard Mitigation Committee 2022



Meeting 1

Monday, April 18, 2022 | 10:00 AM – 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/86545770478> | Meeting ID: 865 4577 0478

1 Introduction and Roll Call for Meeting Participant Attendance Sheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

We will need your help outside of these meetings! That is where much of the work to update the Plan is done.

2 Discuss Process and Schedule of Tasks for Hazard Mitigation Plan Update 2022 - See Tasks by Mtg PDF

FEMA BRIC20 Grant, minimum 25% in-kind work value required for City's match – YOUR HOURS = \$\$\$

Meetings contain specific topics to complete. Work Sessions will continue Meetings to finish topics.

3 Review (FYI) Declared Disasters and Public Assistance \$ to Concord, 1973-2022 – See Disaster \$ PDF

4 Develop New Hazard Identification and Risk Assessment (HIRA) Rating – See HIRA Scoring PDF

Group consensus activity- rate **new HIRA Table's Probability of** and **Impacts from** each hazard for their relevance to City

5 Begin to Identify RECENT PAST Hazard Events in Concord, 2017-2022 – See Past Hazards Excel

Describe **Recent Past (2017-2022) WHERE/WHAT/WHEN** of notable weather events, natural hazards,

≥ **HMC OFFICE TASK- Depts & volunteers provide RECENT digital photos of severe weather impacts to SA**

≥ **HMC OFFICE TASK- Write up YOUR experiences with severe weather in Concord since 2017–**

Details of: WHERE? WHAT? WHEN? In Excel file HOMEWORK DUE TO SA 1 week before Work Session 1

6 Schedule Next Several Meetings for the Haz Mit Plan Update 2022 – See Meeting Schedule PDF

Group consensus activity- tentatively schedule Meetings and Work Sessions

Next Meeting: TBD Work Session 1 on ?DAY xx-22? @ xx AM-xx PM? TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

**Central New Hampshire Regional Plan
Commission (CNHRPC)**

28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 04-18-22 10:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Meeting 1 (M1)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) <i>8:00 AM – 5:00 PM M-F</i>	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
CB	Carlos Baia	Deputy City Manager	41 Green Street	(603) 225-8595	communitydevelopment@concordnh.gov
EF	Elisa Folsom	Fire Department Deputy Chief	24 Horseshoe Pond Ln	(603) 230-3802	efolsom@concordnh.gov
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
CC	Chip Chelsey	General Services Director	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
CB	Crayton Brubaker	Community Development Specialist	41 Green Street	(603) 225-8595	cbrubaker@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 Opt.4	Tfabian@concordnh.gov
MC	Matt Cashman	Concord School District Facilities Director	38 Liberty St	(603) 225-0811	mcashman@sau8.org
FR	Fred Reagan	MVSD Operations Director	105 Community Drive, Penacook	(603) 753-6422	freagan@mvsdpride.org
ZR	Zach Reed	Nobis Health & Safety Manager	18 Chenell Dr	(603) 224-4182	zreed@nobis-group.com
JD	John Duncan	Heights District, NH DNCR	172 Pembroke Rd	(603) 271-2411	concordnhwx@gmail.com
CM	Christine Miller	Penacook Village Association			info@penacook.org

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 04-18-22 10:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Meeting 1 (M1)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) 8:00 AM – 5:00 PM M-F	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
MM	Michael Melody	Concord Hospital, Director of Safety & EM	250 Pleasant St		mmelody@crhc.org
WOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JM	Jessica Martin	InTown Concord Executive Director	49 S. Main St	(603) 226-2150	director@intownconcord.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
HSEM	NHSEM	Haz Mit Representative	110 Smokey Bear Blvd, Concord		
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org

Event Details

Concord Hazard Mitigation Committee Meeting

Monday, May 9, 2022

Date: May 9, 2022

Time: 10:00 AM - 12:00 PM

Monday, May 9

You are invited to a Zoom webinar.

When: May 9, 2022 10:00 AM Eastern Time

Topic: Concord Hazard Mitigation Committee

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/88194789692>

Or to listen by telephone (toll call), dial US: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or +1 669 900 6833
or +1 253 215 8782

Webinar ID: 881 9478 9692



City of Concord

Hazard Mitigation Committee 2022



Work Session 1

Monday, May 9, 2022 | 10:00 AM – 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/88194789692> | Meeting ID: 881 9478 9692

1 Introduction and Roll Call for Meeting Participant Match Timesheet

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

We need your help outside of these meetings! Homework is where much of the work to update the Plan is done. Everyone's viewpoint is needed (Depts, staff, volunteers, agencies, YOURS!) to develop a community HMP.

How? --Use a Department checklist? Volunteer to send homework reminders? Other?

2 Finish Identifying RECENT PAST Hazard Events in Concord, 2017-2022 (Excel)

Review & describe **Recent Past (2017-2022) WHERE/WHAT/WHEN** of notable weather events, natural hazards.

- ≥ **Your Task- Depts & volunteers provide RECENT digital photos of severe weather impacts to SA by email, Google share or Dropbox link.**
- ≥ **Your Task- Write up YOUR Department OR personal experiences with severe weather in Concord– Add the WHERE? WHAT? WHEN? in Excel file DUE TO SA by MON 05-16**
- ≥ **Fire Dept TASK- Complete updates to Critical Facilities Excel DUE TO SA by MON 05-16**

3 Review/Edit and Finalize Concord Hazard Mitigation and Severe Weather Event Survey

Survey posted on Survey Monkey and is awaiting our approval at:

<https://www.surveymonkey.com/r/ConcordHazMitNH>

- ≥ **Your Task – Post on Website pages, Facebook/ Twitter, public sites, anywhere – Email SA with your posting list**

4 Update Critical & Community Facilities Problem Statements and Consider New Mitigation Actions (Word)

For each of the 2017 Facilities Tables, follow the guidance in the attached Word doc to review & update Problem Statement relevancy in 2022, revised as needed, add new Problem Statements for each Table, and develop some initial Mitigations Actions.

- ≥ **Your TASK- Include updates in Word file DUE TO SA by MON 05-16**
- ≥ **Fire Dept TASK- Complete updates to Critical Facilities Excel DUE TO SA by MON 05-23**

We need to adequately finish these 2 tasks before we can move on to Meeting 2 items

Next Meeting: Work Session 1.2 on MON 05-23 @ 10 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

**Central New Hampshire Regional Planning
Commission (CNHRPC)**

28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 05-09-22 10:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Work Session 1 (WS1)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
EF	Elisa Folsom	Fire Department Deputy Chief	24 Horseshoe Pond Ln	(603) 230-3802	efolsom@concordnh.gov
RA	Rob Ackerson	Fire Department FF/PM	24 Horseshoe Pond Ln	(603) 230-3802	
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
MC	Matt Cashman	Concord School District Facilities Director	38 Liberty St	(603) 225-0811	mcashman@sau8.org
ZR	Zach Reed	Nobis Health & Safety Manager	18 Chenell Dr	(603) 224-4182	zreed@nobis-group.com
CM	Christine Miller	Penacook Village Association			info@penacook.org
MM	Michael Melody	Concord Hospital, Director of Safety & EM	250 Pleasant St		mmelody@crhc.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
CK	Clement Kigugu	Overcomers Refugee Services	90 Airport Rd	(603) 715-0844	

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 05-09-22

10:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 1 (WS1)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
DH	Daniel Hussein	Overcomers Refugee Services	90 Airport Rd	(603) 715-0844	
AS	Angela Spinney	Concord Coalition to End Homelessness - Director of Programs	177 N Main St	(603) 290-3375	aspin@concordhomeless.org
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
JM	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org

Event Details

 View Map

Concord Hazard Mitigation Committee Meeting

Monday, May 23, 2022

Date: May 23, 2022

Time: 10:00 AM - 12:00 PM

Address: Concord, NH 03301

Monday, May 23

You are invited to a Zoom webinar.

When: May 23, 2022 10:00 AM Eastern Time

Topic: Concord Hazard Mitigation Committee

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/83141499728>

Or to listen by telephone (toll call), dial US: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or +1 669 900 6833 or +1 253 215 8782

Webinar ID: 831 4149 9728



City of Concord

Hazard Mitigation Committee 2022



Work Session 1.2

Monday, May 23, 2022 | 10:00 AM – 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/83141499728> | Meeting ID: 831 4149 9728

1 Introduction and Roll Call for Meeting Participant Match Timesheet

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

We need your help outside of these meetings! Homework is where much of the work to update the Plan is done. Everyone's viewpoint is needed (Depts, staff, volunteers, agencies, YOURS!) to develop a community HMP.

How? --Use a Department checklist? Volunteer to send homework reminders? Other?

2 POST Concord Hazard Mitigation and Severe Weather Event Survey – Where Posted??

<https://www.surveymonkey.com/r/ConcordHazMitNH> 52 responses to date

⇒ **Your TASK – Post on Website pages, Facebook/ Twitter, public sites, anywhere appropriate– Email SA with your posting list! FD will send out link to Facebook and Twitter, link on City webpage and Facebook page, CCTV slides on bulletin board. Penacook Village Association website.**

3 Update Critical & Community Facilities Problem Statements and Consider New Mitigation Actions – Word doc

BEGIN AT MEDICAL TABLE, ASSIGNMENTS IN FILE, NEED OTHER DEPTS TO WEIGH IN June 6

For each of the 2017 Facilities Tables, follow the guidance in the attached Word doc to review & update Problem Statement relevancy in 2022, revised as needed, add new Problem Statements for each Table, and develop some initial Mitigations Actions.

⇒ **Your TASK- Include updates in Word file DUE TO SA by MON 05-30**

4 Assignment Review for Mon 05-30 – email Excel & Word docs to salexander@cnhrpc.org

⇒ **Fire Dept TASK- Complete updates to Critical Facilities Excel doc**

→ Will enable work on map updates, trigger other data collection

→ CNHRPC and GIS Dept -> collaborate for Map updates

⇒ **HMC Member & guest (Your) TASK- Complete Problem Statement identification and develop New Actions**

⇒ **EVERYONE- Send in your photos of severe weather, hazard events – email to or share link with salexander@cnhrpc.org so we can show how bad hazards can get in Concord.**

Next HMC Meeting: MON 06-06 @ 10 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

**Central New Hampshire Regional Planning
Commission (CNHRPC)**

28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 05-23-22	10:00 AM	REMOTE Zoom Webinar, Concord Fire Department Administration Training Building	Work Session 1.2 (WS1.2)
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Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 <small>Ont 4</small>	Tfabian@concordnh.gov
MC	Matt Cashman	Concord School District Facilities Director	38 Liberty St	(603) 225-0811	mcashman@sau8.org
CM	Christine Miller	Penacook Village Association			info@penacook.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
AS	Angela Spinney	Concord Coalition to End Homelessness - Director of	177 N Main St	(603) 290-3375	aspin@concordhomeless.org
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
JM	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Event Details

Concord Hazard Mitigation Committee Meeting

Monday, June 6, 2022

Date: June 6, 2022

Time: 10:00 AM - 12:00 PM

Monday, Jun 6

You are invited to a Zoom webinar.

When: Jun 6, 2022 10:00 AM Eastern Time

Topic: Concord Hazard Mitigation Committee

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84907594011>

Or to listen by telephone (toll call), dial US: +1 301 715 8592 or +1 312 626 6799 or +1 929 205 6099 or +1 253 215 8782 or +1 346 248 7799 or +1 669 900 6833

Webinar ID: 849 0759 4011



City of Concord

Hazard Mitigation Committee 2022



Meeting 2

Monday, June 6, 2022 | 10:00 AM – 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/84907594011> | Meeting ID: 849 0759 4011

1 Introduction and Roll Call for Meeting Participant Match Timesheet

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

We need your help outside of these meetings! Homework is where much of the work to update the Plan is done.

2 Update Critical & Community Facilities Problem Statements and Consider New Mitigation Actions – Word doc

For each of the 2017 Facilities Tables, follow the guidance in the attached Word doc to review & update Problem Statement relevancy in 2022, revised as needed, add new Problem Statements for each Table, and develop some initial Mitigations Actions.

- Depts to discuss outstanding questions (pages 3-13)
- Begin at Medical Table (page 13)

➤ **Your TASK-** Add Mitigation Action ideas or Problem Statement updates in Word file - EMAIL TO SA by MON 06-13

3 Assignment Review for Mon 06-13 – email Excel & Word docs to salexander@cnhrpc.org

➤ **Fire Dept TASK-** Complete updates to Critical Facilities Excel doc

- ➔ Will enable work on map updates, trigger other data collection
- ➔ CNHRPC and GIS Dept -> collaborate June 10 to discuss Map updates

➤ **HMC Member & guest (Your) TASK-** Complete Problem Statement identification and develop New Actions

➤ **EVERYONE-** Send in your photos of severe weather, hazard events – email to or share link with salexander@cnhrpc.org so we can show how bad hazards can get in Concord.

Next HMC Meeting: MON 06-20 @ 10 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

Central New Hampshire Regional Planning Commission (CNHRPC)

28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 06-06-22

10:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Meeting 2 (M2)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
EF	Elisa Folsom	Fire Department Deputy Chief	24 Horseshoe Pond Ln	(603) 230-3802	efolsom@concordnh.gov
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 Ont 4	Tfabian@concordnh.gov
JD	John Duncan	Heights District, NH DNCR	172 Pembroke Rd	(603) 271-2411	concordnhwx@gmail.com
CM	Christine Miller	Penacook Village Association			info@penacook.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SD	Sam Dove	Resident			
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
JM	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org

Event Details

Concord Hazard Mitigation Committee Meeting

Monday, June 20, 2022

Date: June 20, 2022

Time: 10:00 AM - 12:00 PM

Monday, Jun 20

You are invited to a Zoom webinar.

When: Jun 20, 2022 10:00 AM Eastern Time

Topic: Concord Hazard Mitigation Committee

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/88901881894>

Or to listen by telephone (toll call), dial US: +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799 or +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799

Webinar ID: 889 0188 1894



City of Concord

Hazard Mitigation Committee 2022

Work Session 2

Monday, June 20, 2022 | 10:00 AM – 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/88901881894> | Meeting ID: 889 0188 1894

1 Introduction and Roll Call for Meeting Participant Match Timesheet

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

Individual Match Timesheets (submit June 30)

Surveys to date = 84 (06-17)

2 Finalize Problem Statements and Consider 2022 New Mitigation Actions to Solve the Problems– See WORD

Rewrite Critical & Community Facilities Problem Statements as needed.

Develop relevant Problem Statements into New Mitigation Actions.

- Depts to discuss outstanding questions (pages 3-13)
- Begin at Vulnerable Populations: Housing Table (page 21)

⇒ **HMC TASK- Complete updates in Word doc and email to salexander@cnhrpc.org by WED 06-29.**

3 Review and Update Goals and Objectives as Needed for 2022 – (Next Meeting)

Review and/or revise each Hazard Category's G&Os to align with current issues as needed.

4 Review BRIC 2020 Grant Status and Schedule New Meetings

Discuss grant deadlines – draft completed, HSEM-approved and City adopted by Dec 31

Review Meeting Calendar and schedule new meeting(s)

5 Review of Next Steps

Upcoming: Ch 6 **Capability Assessment** – LARGE Word document, many updates for each Dept/Board/Comm.

This would take several group meetings to undertake unless there's an alternate solution?

Review of Assignments

Next HMC Meeting: TBD MON _____ TBD @ 10 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



NH HOMELAND SECURITY and
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www.nh.gov/safety/divisions/hsem



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**Central New Hampshire Regional Planning
Commission (CNHRPC)**

28 Commercial Street, Suite 3
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www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 06-20-22

10:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 2 (WS2)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 Opt.4	Tfabian@concordnh.gov
MC	Matt Cashman	Concord School District Facilities Director	38 Liberty St	(603) 225-0811	mcashman@sau8.org
MM	Michael Melody	Concord Hospital, Director of Safety & EM	250 Pleasant St		mmelody@crhc.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
JM	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 2.0

Monday, June 11, 2022 | 11:00 AM – 1:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/89481836290> | Meeting ID: 894 8183 6290

1 Introduction and Roll Call for Meeting Participant Match Timesheet - See PDF Survey

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

Individual Match Timesheets – begin new July 1 – Sep 30

Review Surveys Responses to date = 86 (07-08). Add email addresses to HMC Agenda & guest list as cc:?

2 Review Mitigation Action Resources – See hyperlinked PDF docs (too large to email)

<https://www.dropbox.com/sh/cbdepbv0pgs64uy/AAA0RUrMdG3SAXJAnrhqyO2ta?dl=0>

We need mitigation actions for these HIGHEST priority natural hazards in Concord:

- Lightning
- Public Health
- High Wind Events
- Winter Weather
- River Hazards
- Drought
- Wildfire

3 Finalize Problem Statements and Consider 2022 New Mitigation Actions to Solve the Problems– See WORD

Rewrite Critical & Community Facilities Problem Statements as needed.

Develop relevant Problem Statements into New Mitigation Actions.

- Begin at Vulnerable Populations: Housing Table (page 25)

4 Review and Update Goals and Objectives as Needed for 2022 – See WORD onscreen

Review and/or revise each Hazard Category's G&Os to align with current issues as needed.

5 Review of Next Steps

Upcoming: Ch 6 **Capability Assessment** – LARGE Word document, many updates for each Dept/Board/Comm.

This would take several group meetings to undertake unless there's an alternate solution?

Next HMC Meeting: MON July 18 @ 11 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 06-11-22 11:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Work Session 2.2 (WS2.2)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
JD	John Duncan	Heights District, NH DNCR	172 Pembroke Rd	(603) 271-2411	concordnhwx@gmail.com
MM	Michael Melody	Concord Hospital, Director of Safety & EM	250 Pleasant St		mmelody@crhc.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 2.3

Monday, July 18, 2022 | 11:00 AM – 1:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/86925511188> | Meeting ID: 869 2551 1188

1 Introduction and Roll Call for Meeting Participant Match Timesheet

Virtual **Meeting Match Timesheet** at every Meeting and Work Session

Individual Match Timesheets – Begin new Timesheet July 1- through Sept 30

2 Finalize Problem Statements and Consider 2022 New Mitigation Actions to Solve the Problems– See WORD

Rewrite Critical & Community Facilities Problem Statements as needed.

Develop relevant Problem Statements into New Mitigation Actions.

Begin at Places of Assembly table (page 32)

3 Review and Update Goals and Objectives as Needed for 2022 – See PDF

Review and/or revise each Hazard Category's G&Os to align with current issues as needed.

4 All Dept/Board Review & Update of [Mitigation] 6. Capability Assessment Chapter – See WORD

HOMEWORK IS NECESSARY

↪ UPDATE Table 35, Table 36, Table 37, Table 38 COLUMNS: Last Adoption or Date Revised, Description of Capability, Level of Effectiveness, Changes Since 2017 Plan, and Future Improvements for each Capability.

Roundtable review & update – have your Dept/Board resources on hand to check dates, content!

5 Reminder: Review Mitigation Action Resources – See hyperlinked PDF docs (mostly FEMA)

<https://www.dropbox.com/sh/cbdepbv0pgs64uy/AAA0RUrMdG3SAXJAnrhqyO2ta?dl=0>

6 Review of Next Steps -

Ch 6 **Capability Assessment** – LARGE Word doc, many updates for each Dept/Board/Comm.

GIS Maps?

Critical and Community Facility Excel doc

Need Actions for High & Medium Hazards

- ☐ High Wind
- ☐ Tropical/Post Tropical Cyclones
- ☐ River Hazards
- ☐ Public Health
- ☐ Lightning
- ☐ Drought
- ☐ Landslide
- ☐ Severe Winter Weather
- ☐ Extreme Temps (Heat-Cold)
- ☐ Inland Flooding
- ☐ Wildfire

Next HMC Meeting: TBD MON Aug__ TBD @ 11 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 07-18-22

11:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 2.3 (WS2.3)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
HS	Heather Shank	City Planner	41 Green Street	(603) 225-8515	hshank@concordnh.gov
WOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022



Meeting 3

Monday, Sep 12, 2022 | 1:30 - 3:30 PM **NEW TIME**

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/89406968258> | Meeting ID: 894 0696 8258

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

Individual Match Timesheets – Due Quarterly (09-30).

2 Determine Status of the 2017 Mitigation Actions - See PDF

Review 2017 Plan's Actions and determine either **Completed**, **Deleted** or **Deferred** status (below) for each Action.

The Action was **COMPLETED** *when?* *Month & Year*

OR

This Action will be **DELETED** because Action.... *choose 1*

This Action was **DEFERRED** from 2017 because.... *choose 1*

- Action needs to be repeated to be effective.
- More time is required for Action completion.
- Town lacked staff or volunteer capability to complete.
- Town lacked the funding to complete Action.
- Action was a lower priority than other City activities.

- is no longer necessary or a priority to the City.
- is not relevant to the City's current situation or objectives.
- is unrealistic to complete.
- is financially unfeasible.
- is incorporated into another activity.
- duplicates existing efforts.
- is a preparedness, response, or recovery activity.

3 Review Mitigation Action Resources – See hyperlinked PDF docs (too large to email)

<https://www.dropbox.com/sh/cbdepbv0pgs64uy/AAA0RUrMdG3SAXJAnrhqyO2ta?dl=0>

We need mitigation actions for these HIGHEST priority natural hazards in Concord –

4 Begin to Develop Mitigation Action Plan 2022 - See Excel doc (next meeting)

- ☐ Update 2017 Deferred Actions to keep for 2022
- ☐ Describe and evaluate New 2022 Actions from the Problem Statements
- ☐ ⚠ **Add New Actions by Department for Medium & High Hazard Types – SEE EXAMPLES** ↑
- ☐ Consider other new Mitigation Actions of projects not yet discussed
- ☐ SCHEDULE Next Meeting – Mon 09-19? 1:30 PM?

Need Actions for High & Medium Hazards

- ☐ River Hazards
- ☐ Inland Flooding
- ☐ High Wind
- ☐ Tropical/Post Tropical Cyclones
- ☐ Public Health
- ☐ Winter Weather
- ☐ Extreme Temps (Heat-Cold)
- ☐ Lightning
- ☐ Wildfire
- ☐ Solar Storms
- ☐ Drought

Next HMC Meeting: TBD MON Sep__ TBD @ TIME TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 09-12-22 1:30 PM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Meeting 3 (M3)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
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YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
HS	Heather Shank	City Planner	41 Green Street	(603) 225-8515	hshank@concordnh.gov
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
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	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
LD	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 3

****NEW DAY** Tuesday, September 20, 2022 | 1:30 - 3:30 PM**

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/89406968258> | Meeting ID: 894 0696 8258

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

Individual Match Timesheets – Due Quarterly (09-30).

2 Determine Status of the 2017 Mitigation Actions - See PDF of Last Few Actions

Review 2017 Plan's Actions and determine either **Completed**, **Deleted** or **Deferred** status (below) for each Action.

The Action was **COMPLETED** *when?* *Month & Year*

OR

This Action will be **DELETED** because Action.... *choose 1*

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- Town lacked the funding to complete Action.
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- is not relevant to the City's current situation or objectives.
- is unrealistic to complete.
- is financially unfeasible.
- is incorporated into another activity.
- duplicates existing efforts.
- is a preparedness, response, or recovery activity.

3 Review Mitigation Action Resources – See hyperlinked PDF docs (too large to email)

<https://www.dropbox.com/sh/cbdepbv0pgs64uy/AAA0RUrMdG3SAXJAnrhqyO2ta?dl=0>

We need mitigation actions for these HIGHEST priority natural hazards in Concord –

4 Develop Mitigation Action Plan 2022 - See Excel doc

- ☐ Update 2017 Deferred Actions to keep for 2022
- ☐ Describe and evaluate New 2022 Actions from the Problem Statements & CIP Items
- ☐ ⚠ **Add New Actions by Department for Medium & High Hazard Types – SEE EXAMPLES** ↑
- ☐ Consider other new Mitigation Actions of projects not yet discussed
- ☐ SCHEDULE Next Meeting – **Day Date Time AM – Zoom Invites**

Need Actions for High & Medium Hazards

- ☐ River Hazards
- ☐ Inland Flooding
- ☐ High Wind
- ☐ Tropical/Post Tropical Cyclones
- ☐ Public Health
- ☐ Winter Weather
- ☐ Extreme Temps (Heat-Cold)
- ☐ Lightning
- ☐ Wildfire
- ☐ Solar Storms
- ☐ Drought

Next HMC Meeting: TBD MON Sep__ TBD @ TIME TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Tue 09-20-22

1:30 PM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 3 (WS3)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) <i>8:00 AM – 5:00 PM M-F</i>	Email Address <i>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</i>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
RB	Lt. Rob Buelte	Lieutenant Police Department	35 Green St	(603) 225-8600	rbuelte@concordpolice.com
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
HS	Heather Shank	City Planner	41 Green Street	(603) 225-8515	hshank@concordnh.gov
MD	Martha Drukker	City Planner	41 Green Street	(603) 225-8520	mdrukker@concordnh.gov
MC	Matt Cashman	Concord School District Facilities Director	38 Liberty St	(603) 225-0811	mcashman@sau8.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
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Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022



Work Session 3

Tuesday, September 27, 2022 | 10:00 AM - 12:00 PM ****BACK TO OLD TIME****

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/89386626499> | Meeting ID: 893 8662 6499

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

Individual Match Timesheets – Due Quarterly (09-30).

2 Finish Mitigation Action Plan 2022 - Begin Page 8 at #131-2022

- ☐ Update 2017 Deferred Actions to keep for 2022
- ☐ Describe and evaluate New 2022 Actions from the Problem Statements & CIP Items
- ☐ **△ Add New Actions by Department for Medium & High Hazard Types**
- ☐ Consider other new Mitigation Actions of projects not yet discussed
- ☐ SCHEDULE Next Meeting – Zoom Invites – **Tues Oct __ @ 10-12**

3 Prioritize Actions Using the Enhanced STAPLEE (15-75 score) – Next Meeting

4 Next Meeting

Set next meeting date:

Action Prioritization

Older Assignments

Next HMC Meeting: TBD TUE OCT__ TBD @ TIME TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Tue 09-27-22 10:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Work Session 3.2 (WS3.2)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
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City of Concord

Hazard Mitigation Committee 2022

Work Session 3.3

Tuesday, October 4, 2022 | 10:00 AM - 12:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/84432332829> | Meeting ID: 844 3233 2829

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

Any Quarter 1 (Jul-Sep) Timesheets?

2 Finish Mitigation Action Plan 2022 - [Begin Page 18 at #183-2022](#)

- ☐ Update 2017 Deferred Actions to keep for 2022
- ☐ Describe and evaluate New 2022 Actions from the Problem Statements & CIP Items
- ☐ Consider other new Mitigation Actions of projects not yet discussed

3 Begin to Prioritize Actions Using the Enhanced STAPLEE (15-75 score)

Answer 15 questions for each Action on a 1-No 2- Not Certain 3- Maybe 4- Likely 5-Yes scale.

Example: Question 1: Will the Action Reduce Damage (or Injury)?

Committee Consensus will score the Actions with this Numerical Scale by answering each STAPLEE question with the best one of five responses.

NO	NOT CERTAIN	MAYBE	LIKELY	YES
1	2	3	4	5

4 Next Meeting

SCHEDULE Next Meeting – Zoom Invites – **Tues Oct ___ @ 10-12**

Older Assignments

Next HMC Meeting: TBD TUE OCT__ TBD @ TIME TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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Commission (CNHRPC)**

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Concord, NH 03301 | 603.226.6021
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Tue 10-04-22 10:00 AM REMOTE Zoom Webinar, Concord Fire Department Administration Training Building Work Session 3.3 (WS3.3)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 3.4



****NEW DAY** MONDAY, October 17, 2022 | 9:00 AM **NEW TIME****

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/81643306640> | Meeting ID: 816 4330 6640

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

2 FINISH Prioritize Actions Using the Enhanced STAPLEE (15-75 score) **GOAL 55 Actions in < 2 hours**

Answer 15 questions for each Action on a 1-No 2- Not Certain 3- Maybe 4- Likely 5-Yes scale.

Example: Question 1: Will the Action Reduce Damage (or Injury)? =5 (Yes)

Committee Consensus will score the Actions with this Numerical Scale by answering each STAPLEE question with the best one of five responses.

NO	NOT CERTAIN	MAYBE	LIKELY	YES
1	2	3	4	5

3 Next Meetings – Should be Meeting 4 & Work Session 4 (review of Draft Haz Mit Plan 2022)

SCHEDULE Meeting 4 in Nov – Preplanned hiatus between last Work Session 3 and Meeting 4 to pull the new Plan components together

Older Assignments

Next HMC Meeting: TBD Meeting 4 & Work Session 4 in November TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 10-17-22

9:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 3.4 (WS3.4)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 <small>Ont 4</small>	Tfabian@concordnh.gov
CM	Christine Miller	Penacook Village Association			info@penacook.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022



Work Session 3.5

MONDAY, October 24, 2022 | 9:00 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/86583746834> | Meeting ID: 865 8374 6834

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

2 FINISH Prioritize Actions Using the Enhanced STAPLEE (15-75 score) **GOAL 31 Actions in < 2 hours**

Answer 15 questions for each Action on a 1-No 2- Not Certain 3- Maybe 4- Likely 5-Yes scale.

Example: Question 1: Will the Action Reduce Damage (or Injury)? =5 (Yes)

Committee Consensus will score the Actions with this Numerical Scale by answering each STAPLEE question with the best one of five responses.

NO	NOT CERTAIN	MAYBE	LIKELY	YES
1	2	3	4	5

3 Next Meetings

Should be Meeting 4 & Work Session 4 (review of Draft Haz Mit Plan 2022) **-Mon Nov 28 & Dec 5?**

SCHEDULE Meeting 4 in Nov – Preplanned hiatus between last Work Session 3 and Meeting 4 to pull the new Plan components together

Older Assignments

Next HMC Meeting: TBD Meeting 4 & Work Session 4 in Nov TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Mon 10-24-22

9:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 3.5 (WS3.5)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) <i>8:00 AM – 5:00 PM M-F</i>	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
CM	Christine Miller	Penacook Village Association			info@penacook.org
WOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
AS	Angela Spinney	Concord Coalition to End Homelessness - Director of	177 N Main St	(603) 290-3375	aspin@concordhomeless.org
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 3.6



****DAY CHANGE- TUESDAY** November 1, 2022 | 9:00 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/85295049285> | Meeting ID: 852 9504 9285

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session

2 FINISH Prioritize Actions Using the Enhanced STAPLEE (15-75 score) **19 Actions left**

Answer 15 questions for each Action on a 1-No 2- Not Certain 3- Maybe 4- Likely 5-Yes scale.

Example: Question 1: Will the Action Reduce Damage (or Injury)? =5 (Yes)

Committee Consensus will score the Actions with this Numerical Scale by answering each STAPLEE question with the best one of five responses.

NO	NOT CERTAIN	MAYBE	LIKELY	YES
1	2	3	4	5

BEGIN @ Action #171-2022 on Page 4

3 Next Meetings & Next Steps-

Should be Meeting 4 & Work Session 4 (review of Draft Haz Mit Plan 2022) -Tues Dec 6 & Tues Dec 13?

- ⌘ SCHEDULE Meeting 4 in early Dec – Preplanned hiatus between last Work Session 3 and Meeting 4 to pull the new Plan components together
- ⌘ Stephanie will email Excel data files to HMC Depts for completion (you may need to coordinate with others to complete the tables):
 - 1) Land Use/Building Permit/Zoning/Buildings in Floodplain file to Heather.
 - 2) Culvert Upgrades through 2027 and One Egress Road file to Chip.
- ⌘ Stephanie will contact individual Depts for remaining data (Stephanie to compile data for Ying to complete Map updates, follow up with Capability Assessment items, etc)
- ⌘ Other?

Next HMC Meeting: TBD Meeting 4 & Work Session 4 in Nov TBD

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Tue 11-01-22

9:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 3.6 (WS3.6)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) <i>8:00 AM – 5:00 PM M-F</i>	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
CW	Lt. Charles Wroblewski	Police Department	35 Green St	(603) 225-8600	cwroblewski@concordpolice.com
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
WOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

MEETING 4

TUESDAY December 6, 2022 | 9:00 AM – 11:00 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/82070748215> | Meeting ID: 820 7074 8215

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session.

Individual Match Timesheets – Due Quarterly (12-31).

2 Draft 12-06 Concord Hazard Mitigation Plan - See PDF Cover-Table of Contents-Chapter 1

Review Table of Contents and Plan Sections.

Chap 4- Complete Hazard Vulnerability Increase/Decrease (HMC Discussion).

Review and Assign Missing Update Data.

Note areas awaiting completion.

3 Review of Next Steps – Next Meeting WS4 on WED 12-14 @ 9:00-11:00 - See PDF Meeting Schedule

WED 12-14 Work Session 4 @ 9:00 AM will be LAST REGULAR HMC MEETING before PIM

Finish Plan Review, Review Appendices & Maps, Implementation. Review Plan Process. Prep PIM HMC Agenda w/tasks. Begin PIM advertising on 12-16

WED 12-21 HMC Public Information Meeting @ DAYTIME TBD

Hold by Zoom or in Person at Fire Admin Training Room or both?

SA needs draft PIM meeting minutes ASAP for Plan submission – who volunteers to sketch meeting notes?

Next HMC Meeting: Work Session 4 on WED 12-14 @ 9:00 AM

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

TUE 12-06-22

9:00 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Meeting 4 (M4)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) 8:00 AM – 5:00 PM M-F	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
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CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 Opt. 4	Tfabian@concordnh.gov
CM	Christine Miller	Penacook Village Association			info@penacook.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
AD	Amy Duquesnoy	GIS Analyst	41 Green Street	(603) 225-8520	aduquesnoy@concordnh.gov
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



City of Concord

Hazard Mitigation Committee 2022

Work Session 4



WEDNESDAY December 14, 2022 | 8:30 AM – 10:30 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650

AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/84461116883> | Meeting ID: 844 6111 6883

1 Welcome and Roll Call Attendance for Meeting & Attendance Match Timesheet for Participants

Virtual **Meeting Match Timesheet** completed at every Meeting and Work Session. In person meeting attendees

2 Review DRAFT 12-14-22 Concord Hazard Mitigation Plan (HMP) Update 2023

- Finish Review and Remaining Sections of draft HMP
- Chap 4 Vulnerability Statements
- Chap 5 NFIP Data
- Special Request Data: Chap 2, Chap 5. Warming & Cooling Shelters
- View the new 2023 [Maps 1-4](#)
- View Appendices A-B-C-D-E-F
- Last comments or questions on Plan sections

Public Information Meeting (PIM):

Wed 12-21 In person

@ Fire Training Room 9-11 AM

HMC Members Needed to Present Plan!

3 Interim Hazard Mitigation Plan Implementation: 2023-2028

- Review **Annual Implementation Worksheets (APPENDIX B)**
- Permanent Haz Mit Committee to meet quarterly 4 times/year to ensure Actions are implemented, add new Actions (similar to CIP), obtain Dept status/progress reports on their Actions, evaluate Plan annually.
- Retain all Interim Meeting materials, recommend City email to SA for safekeeping for the 2028 Plan update.

4 Schedule & Prepare for Public Information Meeting (PIM) – **NOT A PUBLIC HEARING** - See PIM Agendas & docs

- Review both Draft PIM Agendas: Determine Plan & Map presentation – who will present?
SA needs draft PIM meeting minutes ASAP for Plan submission – JC will ask admin staff meeting notes?
- Publicity: Press Release and Meeting Notice Poster (Dropbox for all files) – **SA to send 12-16 to JC.**
- HMC, please familiarize yourself with Plan content! – HMC flies solo at PIM & City Council Adoption meetings.

5 Review Plan Process Steps Leading to Formal Approval – See graphical Plan Process PDF

- See narrative Plan Process box on Page 2 of this Agenda (and graphic Plan Process) PDF.
- After 12-21 PIM, CNHRPC will submit Plan to HSEM for Approval Pending Adoption (APA) status by Dec 30.
- After APA is awarded, CNHRPC will contact City to coordinate Plan Adoption meeting by City Council.

6 Next Steps

- SA- email PIM Publicity & draft PIM Plan & Appendices (in Dropbox link) to JC & HMC.
SA to send JC draft CNH/City letter to discuss best wording, sig possibility with City Manager

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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City of Concord

Hazard Mitigation Committee 2022

Work Session 4

WEDNESDAY December 14, 2022 | 8:30 AM – 10:30 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



What's Next in the Plan Process? ---→ See also PDF handout for graphical summary

After the Public Information Meeting (PIM), CNHRPC submits the Updated **Hazard Mitigation Plan 2023** to NHHSEM for **APA (conditional approval)**. Then...

1. **NHHSEM reviews the Plan** (on behalf of FEMA) within 45 days according to a regulatory review matrix. If revisions are necessary, CNHRPC completes them, consults with the City Staff Coordinator and/or Committee as needed, and sends revised Plan to NHHSEM. The revision cycle alone may take 15- 30 days or more.
2. When edits are deemed satisfactory NHHSEM **emails the APA (Approvable Pending Adoption)** notification to CNHRPC and the City (City Admin, EMD, and City Council Chair/office). **No changes or additions can be made to the Plan once APA is granted** (CNHRPC can make minor editorial updates but no content changes).
3. CNHRPC sends City Council adoption materials & the adoption version HMP to the Staff Coordinator, who sets the City Council adoption meeting date. Haz Mit Committee is notified by Coordinator.
4. **City Council adopts the Plan** after presentation by Haz Mit Committee/EMD/Coordinator and **signs color Concord Adoption Resolution (AR) originals AT THE MEETING**. City Clerk signs and seals them. Recall that **no changes or additions can be made to the Plan** at the adoption meeting. Meeting minutes are taken.
5. **City emails a high-resolution, clean color scan of a signed CAR** along with the meeting minutes. CNHRPC sends these materials and the next Plan version to NHHSEM requesting **Formal Approval**.
6. NHHSEM emails a **Notification of Formal Approval** to the City with a new date restarting the five-year Plan update cycle. City is now eligible to apply for & receive FEMA Hazard Mitigation Assistance (HMA), Building Resilient Infrastructure and Communities (BRIC), Hazard Mitigation Grant Program (HMGP), Flood Mitigation Assistance (FMA) project funding. FEMA follows up with the official **Formal Approval Letter** via email to the City and CNHRPC.
7. CNHRPC provides **two sets of digital, final 2023 Plan** files to the City using temporary Dropbox link— **1 set** of docs for the Haz Mit Committee ("HMC files") and **1 set** w/ PDF files for Departments/ Public ("Public files"). CNHRPC also provides files to NH HSEM/FEMA to complete City's grant commitment.
8. City downloads the **HMC files** and **Public files** from Dropbox. **Public files:** a) print a few hard copy Plans from the Public files, b) set up binder copies for the annual update, c) distribute to HMC members, Departments, School District, Library, and to the public by request, d) post Public files Document and Maps on the City website. **HMC files are archived in a safe but accessible directory on the City server/cloud.**
9. **IMPLEMENTATION.** **City Council establishes a permanent Hazard Mitigation Committee (HMC)** to maintain its stated obligations in the Plan and appoints members. Establishment language is available at CNHRPC if needed.
10. **According to Chapter 9, City Staff preps the HMC files for Interim 2023-2028 updates. HMC meets ~4 times each year to review and implement the Mitigation Action Plan, to delegate the Actions for completion, and to evaluate the entire Plan annually using the HMC files.** Staff compiles new Meeting Appendix materials (agendas, publicity, etc.) for **2028 Plan** update. Smaller towns will cc: salexander@cnhrpc.org so we can archive your files for the **2028 Plan** update.
11. City & CNHRPC begin talks about **24 months prior** to Plan expiration to discuss the current update grant funding situation. **The next 5-year Plan update process should ideally begin about 12 months prior to Plan expiration.**



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City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Wed 12-14-22

8:30 AM

REMOTE Zoom Webinar, Concord Fire Department Administration
Training Building

Work Session 4 (WS4)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <i>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</i>	Physical Address in Town	Weekday Daytime Phone Number(s) <i>8:00 AM – 5:00 PM M-F</i>	Email Address PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
CW	Lt. Charles Wroblewski	Police Department	35 Green St	(603) 225-8600	cwroblewski@concordpolice.com
CC	Chip Chesley	General Services Dir	311 North State Street	(603) 228-2737	cchesley@concordnh.gov
YZ	Ying Zhou	GIS Coordinator	41 Green Street	(603) 225-8520	yzhou@concordnh.gov
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 <i>Ont 4</i>	Tfabian@concordnh.gov
CM	Christine Miller	Penacook Village Association			info@penacook.org
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
AD	Amy Duquesnoy	GIS Analyst	41 Green Street	(603) 225-8520	aduquesnoy@concordnh.gov
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org
MB	Matt Baronas	CNHRPC Assistant Planner	28 Commercial St, Suite 3 Concord	603-226-6021	mbaronas@cnhrpc.org
	John Marcel	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	John.E.Marcel@dos.nh.gov
	Lynne Doyle	HSEM State Haz Mit Planner	110 Smokey Bear Blvd, Concord	603-223-3620	lynne.E.doyle@dos.nh.gov

Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org



PUBLIC NOTICE OF MEETING

City of Concord

12-15-22



Public Information Meeting

on Concord's newly developed

Hazard Mitigation Plan

Sponsored by the
Hazard Mitigation Committee

Concord Hazard Mitigation Plan Update 2023

Public Information Meeting

Wednesday December 21, 2022 at 9:00 AM

Concord Fire Administration Training Room, 24 Horseshoe Pond Lane

Or participants can join live on Zoom at

<https://us02web.zoom.us/j/84850253485>.

All are invited to participate in person or online.

Draft Plan and related documents are available on
the City website at <https://www.concordnh.gov/>

For more information, contact John Chisholm, Fire Chief,
at 603.225.8650 or jchisholm@concordnh.gov.



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

Central New Hampshire Regional
Planning Commission (CNHRPC)
28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6020
www.cnhrpc.org





City of Concord, New Hampshire
Concord Fire Department Administration
Training Building
24 Horseshoe Pond Lane
Concord NH, 03301
603.225.8650

For Thursday, December 15, 2023
FOR IMMEDIATE RELEASE

For more information contact:

John Chisholm, Fire Chief, 603.225.8650 or ichisholm@concordnh.gov

PRESS RELEASE

Concord Hazard Mitigation Plan 2023 Public Information Meeting on Dec 21

CONCORD: Dec 15, 2023 - Community leaders are taking steps to reduce the effects of Concord's next natural disaster event, including flooding, storms, severe winds and winter weather. A Hazard Mitigation Committee comprised of City Departments, Boards, emergency personnel, residents, and community stakeholders has completed the City's updated draft **Concord Hazard Mitigation Plan 2023**. This updated Plan is required to be approved by the Federal Emergency Management Agency (FEMA) every five years to maintain continued eligibility for federal mitigation project funding.

A PUBLIC INFORMATION MEETING will be held in person on **Wednesday, December 21, 2022 at 9:00 AM at the Concord Fire Administration Training Room, 24 Horseshoe Pond Lane** in Concord. Participants have the option to join live on Zoom at <https://us02web.zoom.us/j/84850253485>. The purpose of the public information meeting is to present the updated Hazard Mitigation Plan and listen to public feedback on the document. This is not a hearing. All are invited to participate in person or online.

The **Concord Hazard Mitigation Plan Update 2023** documents and maps are available for viewing on the City website at <https://www.concordnh.gov>. A paper version of the draft Plan along with the Appendices is available for review at the Fire Department Administration office.

For more information, contact John Chisholm, Fire Chief, at 603.225.8650 or ichisholm@concordnh.gov. ###



City of Concord

Hazard Mitigation Committee 2023



Public Information Meeting

Wednesday, December 21, 2022 | 9:00 – 11:00 AM

IN-PERSON MEETING HELD AT: Concord Fire Department Administration Training Room
24 Horseshoe Pond Lane

OR JOIN US LIVE ON ZOOM: <https://us02web.zoom.us/j/84850253485>

PUBLIC INFORMATION MEETING

Concord Hazard Mitigation Plan Update 2023

Sponsored by the

Hazard Mitigation Committee

PUBLIC MEETING AGENDA

1. Introduction and Overview
2. Content of the Hazard Mitigation Plan
3. Implementing the Plan
4. Comments on the Plan and Maps



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
www.fema.gov

Central New Hampshire Regional
Planning Commission (CNHRPC)
28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6020
www.cnhrpc.org





City of Concord, NH

Hazard Mitigation Committee



Concord Hazard Mitigation Plan Update 2022 Meeting

Wed 12-21-22 9:00 AM

Zoom Webinar AND In-Person, Concord Fire Department
Administration Training Building, 24 Horseshoe Pond Lane

Public Information Mtg (PIM)

Attendance Sheet

INITIAL IF PRESENT	Name	Affiliation <small>TOWN BOARD / DEPT, AGENCY, BUSINESS, OTHER TOWN, CITIZEN, MEDIA, ETC</small>	Physical Address in Town	Weekday Daytime Phone Number(s) <small>8:00 AM – 5:00 PM M-F</small>	Email Address <small>PLEASE PRINT CLEARLY – MAIN GROUP COMMUNICATION IS VIA EMAIL</small>
JC	John Chisholm	Emergency Management Coordinator	24 Horseshoe Pond Ln	(603) 230-3801	jchisholm@concordnh.gov
EF	Elisa Folsom	Fire Department Deputy Chief	24 Horseshoe Pond Ln	(603) 230-3802	efolsom@concordnh.gov
CW	Lt. Charles Wroblewski	Police Department	35 Green St	(603) 225-8600	cwroblewski@concordpolice.com
MOM	Mike O'Meara	City Liaison for CCTV	170 Warren St	(603) 226-8872	michael@concordcctv.org
JG	John Gaudet	Resident – NE Hot Hold Pond			johnmarcgaudet@gmail.com
AD	Amy Duquesnoy	GIS Analyst	41 Green Street	(603) 225-8520	aduquesnoy@concordnh.gov
SC	Serena Chase	Fire Department, Administrative Assistant	24 Horseshoe Pond Ln	(603) 225-8650	
TF	Todd Fabian	Library Director	45 Green Street	(603) 225-8670 <small>Ont 4</small>	Tfabian@concordnh.gov
JS	Jonathan Smullen	Assistant IT Director	39 Green St	(603) 225-8597	jsmullen@concordnh.gov
JW	Jason Wovkanech	NHTI Director Campus Safety	1 Institute Dr	(603) 230-4042	jwovkanech@ccsnh.edu
SA	Stephanie Alexander	CNHRPC Senior Planner	28 Commercial St, Suite 3 Concord	603-226-6021	salexander@cnhrpc.org


Hazard Mitigation Plan Project Manager:

Stephanie Alexander (CNHRPC) | phone 226-6021

Central NH Regional Planning Commission (CNHRPC) | salexander@cnhrpc.org

DECEMBER 21, 2022

***DRAFT* 2023 Hazard Mitigation Plan**
Public Information Meeting
12/21/2022



JOHN A. CHISHOLM, FIRE CHIEF & EMERGENCY MANAGEMENT COORDINATOR

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Introduction &
Overview

2

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What is a Hazard Mitigation Plan?

PURPOSE: To reduce future losses to life and property from potential hazard events by identifying appropriate actions to implement during the five-year span of this Plan.

- ▶ Disaster Mitigation Act of 2000
 - ▶ Localities must adopt a FEMA approved hazard mitigation plan to qualify for eligible disaster and mitigation funding programs
 - ▶ Hazard Mitigation Grant Program
 - ▶ Flood Mitigation Grant Program
 - ▶ Pre-Disaster Mitigation Program

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Document Overview

- ▶ Chapter 1: Planning Process
- ▶ Chapter 2: Community Profile
- ▶ Chapter 3: Goals and Objectives
- ▶ Chapter 4: Hazard Risk Assessment
- ▶ Chapter 5: Community Vulnerability Assessment & Loss Estimation
- ▶ Chapter 6: Capability Assessment
- ▶ Chapter 7: Prior Action Status
- ▶ Chapter 8: Mitigation Action Plan
- ▶ Chapter 9: Annual Implementation and Evaluation
- ▶ Chapter 10: Appendices
- ▶ Chapter 11: Maps

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Chapter 1

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Planning Process

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Why is the plan being updated now?

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- ▶ To remain compliant, the Hazard Mitigation Plan must be updated every 5 years
- ▶ Last update was 2017
- ▶ Plan requirements changed in 2018 – need to update it to include the new requirements.

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What was the process to update the plan?

- ▶ A 2020 BRIC (Building Resilient Infrastructure and Communities) grant provided 75%/25% funding for the City to update its plan through the Central NH Regional Planning Commission (CNHRPC).
 - ▶ 25% required City match is provided by in-kind staff and volunteer time/labor
- ▶ The Concord Hazard Mitigation Committee was established in April 2022.
 - ▶ A series of four 2-hour meetings were held along with twelve (12) 2-hour work sessions
 - ▶ Committee members worked on updates between the meetings and submitted them to the CNHRPC facilitator

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Meeting	Date	Agenda Activities – See APPENDIX C	Meeting	Date	Agenda Activities – See APPENDIX C
Meeting 1 <i>Remotely held via Zoom Webinar</i>	04-18-22	Discuss Process and Schedule; Review Declared Disasters and Public Assistance Funding to Concord; Develop New Hazard Identification and Risk Assessment (HIRA), Begin to Identify Potential and Past Hazard Locations 2017-2021; Prepare for Maps 1-2 Revisions; Schedule Meetings	Work Session 3.3 <i>Remotely held via Zoom Webinar</i>	10-04-22	Prioritize Mitigation Action Ranking Scores for Action Achievability
Work Session 1 <i>Remotely held via Zoom Webinar</i>	05-19-22	Finish Identifying Recent Past Hazard Events 2017-2021; Update Critical and Community Facilities Vulnerability Assessment and Develop Problem Statements; Revise Maps 1-2	Work Session 3.4 <i>Remotely held via Zoom Webinar</i>	10-17-22	Prioritizing Mitigation Action Ranking Scores for Action Achievability;
Work Session 1.2 <i>Remotely held via Zoom Webinar</i>	05-23-22	Finish Identifying Recent Past Hazard Events 2017-2021; Update Critical and Community Facilities Vulnerability Assessment and Develop Problem Statements; Revise Maps 1-2, Review and Update Goals and Objectives	Work Session 3.5 <i>Remotely held via Zoom Webinar</i>	10-24-22	Complete Prioritizing Mitigation Action Ranking Scores for Action Achievability;
Meeting 2 <i>Remotely held via Zoom Webinar</i>	06-06-22	Finalize Problem Statements and Identify Those to Utilize as NEW 2021 Mitigation Actions; Begin Department Roundtable- Review & Update of Capability Assessment	Work Session 3.6 <i>Remotely held via Zoom Webinar</i>	11-01-22	Complete Prioritizing Mitigation Action Ranking Scores for Action Achievability; Overview of Meeting 4/Work Session 4 and Public Information Meeting
Work Session 2 <i>Remotely held via Zoom Webinar</i>	06-20-22	Complete Problem Statements and Identify Those to Utilize as NEW 2021 Mitigation Actions; Continue Department Roundtable- Review & Update of Capability Assessment	Meeting 4 <i>Remotely held via Zoom Webinar</i>	12-06-22	Review Draft Hazard Mitigation Plan Update 2023; Overview of Work Session 4 Tasks; Schedule Public Information Meeting
Work Session 2.2 <i>Remotely held via Zoom Webinar</i>	07-11-22	Complete Department Roundtable- Review & Update of Capability Assessment	Work Session 4 <i>Remotely held via Zoom Webinar</i>	12-14-22	Review Draft Hazard Mitigation Plan Update 2023; Review Draft Community Survey for Haz Mit and Severe Weather Events; Interim Hazard Mitigation Plan Implementation 2022-2026; Prepare for Public Information Meeting; Review Plan Approval Process; Prepare for City Council Adoption Meeting
Work Session 2.3 <i>Remotely held via Zoom Webinar</i>	07-18-22	Complete Department Roundtable- Review & Update of Capability Assessment	Public Information Meeting <i>Remotely held via Zoom / Held in-person</i>	12-21-22	HMC members present sections of the Plan to the public in a brief question and answer format meeting. Describe hazards and mitigation Actions. Maps will be available.
Meeting 3 <i>Remotely held via Zoom Webinar</i>	09-12-22	Determine Status of the 2015 Mitigation Actions; Begin to Develop Mitigation Action Plan 2023; Schedule New Meetings	<div>Meeting Schedule and Agenda Activities</div> <div>8</div>		
Work Session 3 <i>Remotely held via Zoom Webinar</i>	09-20-22	Develop Mitigation Action Plan 2023; Begin to Prioritize Mitigation Action Ranking Scores for Action Achievability			
Work Session 3.2 <i>Remotely held via Zoom Webinar</i>	09-27-22	Complete Mitigation Action Plan 2023			

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Hazard Mitigation Committee Members (listed alphabetically)

- ▶ **Carlos Baia**, Concord Deputy City Manager (former)
- ▶ **Rob Buelte**, Concord Police Department Lieutenant
- ▶ **Chip Chesley**, Concord General Services Director
- ▶ **John Chisholm**, Concord Fire Chief, Emergency Management Coordinator, and Hazard Mitigation Committee Staff Coordinator
- ▶ **Martha Drukker**, Concord Community Development- Engineering Division City Engineer
- ▶ **Todd Fabian**, Concord Library Director
- ▶ **Elisa Folsom**, Concord Fire Department Deputy Chief
- ▶ **Heather Shank**, Concord Community Development – Planning Division City Planner
- ▶ **Jonathan Smullen**, Concord Information Technology Director
- ▶ **Charles Wroblewski**, Concord Police Department Lieutenant
- ▶ **Ying Zhou**, Concord Community Development- Engineering Division GIS Coordinator



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CNHRPC Staff

- ▶ **Stephanie Alexander**, CNHRPC Senior Planner
- ▶ **Matthew Baronas**, CNHRPC Regional Planner



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Other Staff Participation

- ▶ **Rob Ackerson**, Concord Fire Department Fire Fighter
- ▶ **Crayton Brubaker**, Concord Community Development- Planning Division Specialist
- ▶ **Matt Cashman**, Concord School District Facilities Director
- ▶ **Amy Duquesnoy**, Concord Community Development- Engineering Division GIS Analyst
- ▶ **John Marcel**, NH Homeland Security and Emergency Management State Hazard Mitigation Planner (former)
- ▶ **Tim McGinley**, St. Paul's School, Director of Environmental Health & School Safety
- ▶ **Fred Reagan**, Merrimack Valley School District, Facilities Director

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Public Outreach Strategy

- ▶ Personal invitations of businesses, neighborhood residents, and community groups
- ▶ Public postings on City of Concord Website, the City's online calendar, postings at various City buildings, social media, and press releases
- ▶ Collected data from a highly publicized "Severe Weather and Hazard Mitigation Survey" that yielded eighty-nine (89) responses

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Public Participation

Anyone who is not a City of Concord, School District, County, State, or federal government employee; anyone who is not paid for services by property tax dollars; anyone who is not a volunteer of the City; and anyone who does not represent non-profit agencies and other Committees of which the City is a member.

- ▶ **Sam Dove**, Resident
- ▶ **John Duncan**, Resident and Representative of Concord Heights District
- ▶ **John Gaudet**, Resident and Representative of Hot Hole Pond
- ▶ **Daniel Hussein**, Overcomers Refugee Services
- ▶ **Clement Kigugu**, Overcomers Refugee Services
- ▶ **Christine Miller**, Penacook Village Association Board Member
- ▶ **Jessica Martin**, InTown Concord Executive Director
- ▶ **Michael Melody**, Concord Hospital, Director of Safety & Emergency Management
- ▶ **Mike O'Meara**, City Liaison for Concord TV
- ▶ **Zach Reed**, Nobis Engineering Health & Safety Manager
- ▶ **Angela Spinney**, Concord Coalition to End Homelessness Director of Programs
- ▶ **Jason Wovkanech**, NHTI Director of Campus Safety

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Chapter 2

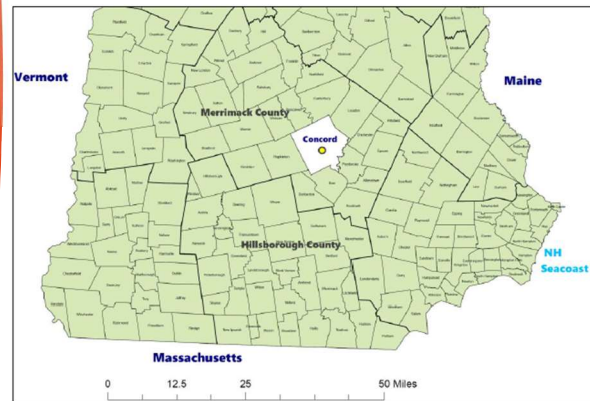
Community Profile

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- ▶ CONCORD IS THE ONLY CITY IN MERRIMACK COUNTY
- ▶ IT HAS 64 SQ. MILES OF LAND AND 3.2 SQ. MILES OF WATER
- ▶ POPULATION: 43,976 (2020 CENSUS)
- ▶ LAND USE HIGHLIGHTS
 - ▶ 32.0% Residential
 - ▶ 20.3% Forest
 - ▶ 13.4% Tax exempt (city/schools/churches/etc.)
 - ▶ 7.1% Vacant
 - ▶ 6.8% Institutional (State/Federal/County/etc.)
 - ▶ 6.1% Agriculture
 - ▶ 6.1% Transportation & Utilities
 - ▶ 3.7% Commercial
 - ▶ 2.9% Industrial

Concord's Community Profile

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Hazard Mitigation Plan Content

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Chapter 3

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Goals and Objectives

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Important Goals

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1. To reduce the risk of injury in the City from the impacts of natural hazards, severe weather, disasters, and from the impacts of human and technological hazards.
2. To reduce the risk of potential damage to public and private property, infrastructure, critical facilities, historic resources, and the natural environment from the impacts of natural hazards, severe weather, disasters, and human and technological hazards.
3. To enhance communication and public outreach, educational programs, and enforcement activities to help protect the community from the impacts of natural hazards, severe weather, disasters, and from human and technological hazards.

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Highlighted Objectives

► Minimize the damage to life, property, and infrastructure from

- severe winter weather, including storms, snow, snow load/building collapse, ice, and wind chill events and from excessive heat events including heat waves, declining air and water quality and climate change warming.
- wildfires, brushfires, and other outdoor fires, and lightning.
- Floodwater or erosion of the many rivers and brooks, wetlands, and other water bodies

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Highlighted Objectives

► Minimize the damage to life, property, and infrastructure from

- severe wind events, including thunderstorms, hail, downbursts, tornadoes, hurricanes and tropical storms, and damages caused by resulting tree debris
- from human terrorism and violence threats such as active threat incidents, hostage situation, civil disturbance/riots, politically motivated attacks, incendiary devices, sabotage, vandalism, or other public harm
- multiple hazards to the aging infrastructure of the community, including bridges, culverts, dams, local roads, lines, and seek to maintain operational efficiency.

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Chapter 4

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Hazard Risk Assessment

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Recent Major Disasters Declarations

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▶ DR-4516	April 2020	COVID-19 Pandemic	Total: \$1.53M
▶ DR-4355	Oct 2017	Wind & Rainstorm	Total: \$0
▶ DR-4105	Feb 2013	Snowstorm	Total: \$127,177
▶ DR-4095	Oct 2012	Hurricane Sandy	Total: \$26,320
▶ DR-4026	Aug 2011	Tropical Storm Irene	Total: \$19,540
▶ DR-1892	Feb 2010	Winter Storm	Total: \$88,699
▶ DR-1812	Dec 2008	Ice Storm	Total: \$87,434
▶ DR-1643	May 2006	Mother's Day Floods	Total: \$213,391

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4 HAZARD RISK ASSESSMENT								
Event	Declared Disaster DR-	Year	Date	FEMA Public Assistance	Area Effects Surrounding Concord	Local Effects Occurring in Concord	Hazard Category	Source
Oct 2021					EPZ, situational awareness is preferred.			
Concord Civil Unrest Police Protest Oct 2021	No	2021	13-Oct	N/A	Mutual aid was alerted to respond to the crowd.	Civil disturbance occurred to protest Governor and Council who met at the Police Standards/ NHTI to vote whether to accept federal COVID funds. Some arrests occurred but no violence or damage was known to occur. This was a multi-agency response prepared to ensure safety of protesters and G&C members.	Civil Unrest, Human	CNHRPC, Concord Hazard Mitigation Committee
Regional Arboviral Risk Oct 2021	No	2021	6-Oct	N/A	Towns in Merrimack County experienced higher arboviral risk levels	Concord experienced low arboviral risk but had positive cases of Jamestown Canyon Virus in mosquitos.	Public Health	CNHRPC, WebEOC, NHDHHS
Concord Fire on South St Sep 2021	No	2021	23-Sep	N/A	Mutual aid companies were required in response to the fire in Concord.	Multi-alarm building fire at 29 South Street in Concord.	Fire	CNHRPC, Concord Hazard Mitigation Committee

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Concord Community Top Hazards

- ▶ River Hazards
- ▶ Inland Flooding
- ▶ High-wind events & Tropical and Post Tropical Cyclones
- ▶ Public Health
- ▶ Severe Winter Weather
- ▶ Extreme Temperatures
- ▶ Lightning
- ▶ Wildfire

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Chapter 5

Community Vulnerability Assessment and Loss Estimation

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Facility Inventory and Value

▶ Critical Facilities	
▶ Essential City facilities	\$ 26.7M
▶ Essential Government facilities	\$ 296.2M
▶ Transportation facilities	\$ 4.5M
▶ Utilities	\$ 44.3M
▶ Communication facilities	Not Available
▶ Dams	\$ 10.5M <i>(repair value)</i>
▶ Bridges (23 City, 51 State, 1 Private)	\$ 224.1M
▶ Medical facilities	\$ 213.1M
▶ Schools	\$ 230.3M

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Facility Inventory and Value

▶ Community Facilities

▶ Vulnerable Population: Multi-unit Housing	\$ 489.0M
▶ Vulnerable Population: Manufactured housing	\$ 29.7M
▶ Vulnerable Population: Congregate Care	\$ 83.3M
▶ Vulnerable Population: Childcare	\$ 164.8M
▶ Vulnerable Population: Public Assistance	\$ 36.8M
▶ Economic Assets: Business & Agriculture	\$ 1.22B
▶ Hazardous Materials Facilities	\$ 630.3M
▶ Churches	\$ 74.4M
▶ Cemeteries	\$ 12.4M
▶ Historic Sites and Buildings	\$ 124.5M
▶ Recreational Sites	\$ 31.0M
▶ Gathering Sites	\$ 101.4M

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Chapter 6

Capability Assessment

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Administrative and Technical Capabilities							
Latest Adoption or Version Date / Latest Revised ?	Capability Assessment: Administrative and Technical	Description Related to hazard mitigation planning and coordination	Location of Capability Entire City or Selected Areas	Level of Effectiveness	Responsibility	Changes Since Last Haz Mit Plan (2017) / How Did Dept Use Capability?	Future Improvements to Capability / Wish List for the Future?
CONCORD ADMINISTRATIVE PROGRAMS, POLICIES, MUTUAL AID AGREEMENTS, PARTNERSHIPS, OPERATIONS, PROCEDURES							
Through 2022	CD Policy - Reduction of Impact Fee for Contaminated Property in NH Brownfields Program	To encourage cleanup and redevelopment of contaminated properties, the City created an incentive whereby an impact fee for a contaminated property will be reduced if the property is enrolled in the NH Brownfields Program.	Opportunity Corridor	High	CD-Planning	Penacook Tannery brownfields site cleaned, new construction of housing and medical center 2015-2022	Evaluate any potential remaining areas in the city for potential qualification of program
2018-2028	CD Reviewed Drainage Areas of Previously Impacted Areas and Prepare Capital Plan for Mitigation of Any Potential Future Flooding	Recent experience from the May 2006 flooding discovered deficiencies in the City's aged infrastructure. To address these deficiencies, engineering services would be used to analyze and prioritize repairs before another flood impacted the City.	Entire	High	CD-Engineering	Stormwater systems evaluated and placed into CIP as 13 different drainage basins. Placed funding for each into the CIP starting in 2018	Fund the CIP for stormwater improvements annually, upgrade drainage and stormwater annually through 2028
Summer 2021	EM Emergency Sustainability/ Mass Vaccination at NHTI POD	Coordinate with NHTI for Emergency Sustainability (PD). NHTI is the primary location for the Mass Vaccination Clinic for the Concord Catchment area. In partnership with	Entire City, Underserved Areas	High	Emergency Management	COVID showed that this plan needed to be revamped. Mass vaccination was done through State of	Update lessons learned during COVID with Capital Area Public Health Network

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Existing Mitigation Capabilities

- ▶ PLANNING
 - ▶ City of Concord Emergency Operations Plan 2015
 - ▶ Each school has established disaster response plans
 - ▶ Mass shelter plan via Capital Area Public Health Network (CAPHN)
 - ▶ River floods maps and dam failure plans
 - ▶ Aquifer Protection Ordinance

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Existing Mitigation Capabilities

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▶ ADMINISTRATION/TECHNICAL

- ▶ Mass vaccination sites
- ▶ Capital Area Fire Mutual Aid Compact / Central NH HazMat Team
- ▶ Fire & Police Established Emergency Response Policies
- ▶ GIS Mapping
- ▶ Fire & Police are members of NH Information and Analysis Center (NHIAC)
- ▶ Fire / Police / General services has caches of emergency equipment

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Existing Mitigation Capabilities

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▶ FINANCIAL

- ▶ Federal cleanup funding for hazardous materials located in the NH Employment Security building
- ▶ Bridge funding programs
- ▶ Emergency Operations Center has annual funding
- ▶ General Services has operational funding for culvert and draining improvements

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Existing Mitigation Capabilities

► EDUCATIONAL/OUTREACH

- City website and City Public Information Officer postings
- Concord TV
- Social Media (Facebook, Twitter, YouTube)
- General Services hazardous waste disposal day
- Fire & Police Department education and outreach programs
- City website "Notify Me®" alert platform

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Chapter 7

Prior Action Status

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2017 Mitigation Plan Actions

- ▶ Completed – Continue enforcement of
 - ▶ Floodplain regulation in the Zoning Ordinance
 - ▶ Building codes to reduce wind/snow load damage
 - ▶ Road and driveway slope subdivision regulation standards to reduce potential for erosion and road washout
 - ▶ Municipal fire alarm and fiber optic network regulations to prevent failure of regional fire alarm system

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2017 Mitigation Plan Actions

- ▶ Deferred due to higher priority tasks
 - ▶ Purchase and installation of lightning rods and grounding panels on older city buildings
 - ▶ Evaluate the Overlap Between the 2015 Fluvial Erosion Hazard (FEH) Zone and the Existing Shoreland Protection Zone for the Soucook River and Turkey River (FGA) after the Next Master Plan Update to Reduce the Impact of Flood and Erosion

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Chapter 8

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Mitigation Action Plan

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Mitigation Tasks

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- ▶ Includes a list of recommended mitigation actions
- ▶ Ranked by the enhanced STAPLEE method
- ▶ Included department(s) responsible for task completion/oversight
- ▶ Identifies which hazards each tasks mitigates
- ▶ Estimates approximate cost and potential funding source

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Enhanced STAPLEE Ranking of Mitigation Actions

Action Number	Does the Action..... or Is the Action.....	Reduce Damage? (or injury?)	Contribute to Town Objectives? (Supported by Master Plan or current thinking?)	Meet Regulations? (If there are any)	Protect Sensitive Structures? (Buildings, roads, culverts, human-made things?)	Implement Quickly? (See also Action Plan for Timeframe)	Socially Acceptable? (People like the project?)	Politically Acceptable? (Public Officials like the project?)	Administratively Feasible? (Have adequate skills or time for paperwork?)	Technically Feasible? (Have tech skills or special equipment?)	Have a Reasonable Cost to Benefits Gained? (Will project save \$5 in long term?)	Legal? (Or will be legal upon completion?)	Support or Protect the Environment? (Natural resources?)	Have the Funding? (Can funding be obtained?)	Have Necessary Staff or Volunteers?	Support Historic Preservation? (Sites, neighborhoods, culture?)	Ranking Score 15-75
#15- 2016	Modify the Subdivision Regulations and Site Plan Review Regulations to Add Requirements for Secondary Egress to Reduce Safety Risks from Wildfire, Winter, and Severe Wind Events	4	4	5	4	4	4	4	4	4	5	5	5	5	5	1	63
#17- 2016	Developing an Annual Culvert Replacement Program to Prioritize the Upgrade of Most Problematic Culverts and Drainage Facilities to Reduce the Impacts of Flood and Erosion	5	5	5	4	5	5	4	4	4	5	5	5	5	5	3	69
#18- 2016	Update and Enforce the Floodplain Ordinance to Comply with Federal NFIP Requirements to Reduce the Impacts of Flood	4	4	5	5	5	4	4	5	5	5	5	4	5	5	3	68

Social, Technical, Administrative, Political, Legal, Environmental, and Economics

39

39

Local Planning and Regulation Actions

Action Number	Action	Action Timeframe	Ranking Score	Who is Responsible	Approx Cost to City	Description and Evaluation of Action	Hazards Mitigated?	Affected Location in City	What Cost Will Pay For	How Funded
#116- 2017	Evaluate the Overlap Between the 2015 Fluvial Erosion Hazard (FEH) Zone and the Existing Shoreland Protection Zone for the Soucook River and Turkey River (FGA) After the Next Master Plan Update to Reduce the Impact of Flood and Erosion	<u>Long Term</u> <u>4-5 Years</u>	54	Emergency Management, Community Development- Planning (Zoning)	\$0	Ordinance limits future development along the designated fluvial erosion hazards areas ("zones"), providing setbacks from the river that result in the protection of life, property and infrastructure. Any FEH consideration would be done after the new Master Plan is developed and after the Form Based Code Zoning Ordinance is adopted. As part of the site plan process, City requires them to move existing and proposed improvements out of the bluff buffer and revegetate. As other properties redevelop, the Planning Board will undertake measures to require existing improvements to be moved out of the bluff buffer, not allowing proposed improvements in the buffer, and revegetating. This is how the Site Plan Regulations and bluff buffer ordinance are being utilized to address erosion issues along the Soucook. Zoning - #599 CIP 2026	River, Flood, Fluvial Erosion, Landslide/ Bank Failure	Soucook River, Turkey River	Cost is for volunteer and staff time in-kind labor.	N/A
#132- 2023	Update the City Master Plan to include a Three Rivers Study (CIP #563) to Reduce the Impact of Flood and Erosion	<u>Medium Term</u> <u>3-4 Years</u>	64	Community Development - Planning	\$300,000 + (Transportation may be more)	CIP #563 for 2024-2025. River Study first one piece of the Master Plan, then 2025 update of Master Plan. There have been incremental changes in zoning and land use in the City and	River, Flood, Fluvial Erosion, Landslide/ Bank Failure	Soucook River, Turkey River, Merrimack River	Cost is contractor to update the entire Master Plan \$250,000 with \$50,000	CIP

40

40

41

2023 Mitigation Plan – New Priority Actions

- ▶ Upgrade Loudon Road Bridge over Merrimack River to Reduce Impact of Flood, Ice, Erosion and Debris (CIP #588)
- ▶ Implement Stormwater System Improvements Throughout the City to Reduce Flood Risks (CIP #83)
- ▶ Convene the Ad Hoc Heat Advisory Panel and Develop a Plan to Address Excessive Heat Impacts on the City's Infrastructure and Population, Especially Elderly and Underserved Groups
- ▶ Update the City Master Plan to include a Three Rivers Study (CIP #563) to Reduce the Impact of Flood and Erosion

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Implementing the Plan

42

43

Chapter 9

Annual Implementation and Evaluation

43

44

Establish a Hazard Mitigation Committee

- ▶ CNHRPC recommends establishing a permanent Hazard Mitigation Committee

- ▶ Should be a formal City committee
- ▶ Chaired by EMD/EMC/City Councilor

Committee membership should include:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Emergency Management Coordinator | <input checked="" type="checkbox"/> Transfer Station Supervisor or designee |
| <input checked="" type="checkbox"/> Deputy Emergency Management Director | <input checked="" type="checkbox"/> 1 City Council member |
| <input checked="" type="checkbox"/> City Administration | <input checked="" type="checkbox"/> 1 Planning Board member |
| <input checked="" type="checkbox"/> Fire Chief or designee | <input checked="" type="checkbox"/> 1 Budget Advisory Committee member |
| <input checked="" type="checkbox"/> Police Chief or designee | <input checked="" type="checkbox"/> 1 Concord School District Representative |
| <input checked="" type="checkbox"/> General Services Director or designee | <input checked="" type="checkbox"/> 1 Library Representative |
| <input checked="" type="checkbox"/> Community Development- Planning | <input checked="" type="checkbox"/> 1 Historical Society member |
| <input checked="" type="checkbox"/> Community Development- Engineering | <input checked="" type="checkbox"/> 1 Conservation Comm Representative |
| <input checked="" type="checkbox"/> Community Development- GIS | <input checked="" type="checkbox"/> 1 Parks and Recreation Comm Representative |
| <input checked="" type="checkbox"/> Code Administration | <input checked="" type="checkbox"/> Community (Stakeholders) at Large |
| <input checked="" type="checkbox"/> Welfare Officer/Health Officer | |

44

45

Many Actions Requiring Funding

- ▶ Having the City Council and Fiscal Policy Advisory Committee member on the Hazard Mitigation Committee will help with financial planning and awareness in the budget process for both operating budgets and CIP programs
- ▶ **EXAMPLES**
 - ▶ Purchase of lightning rods/grounding plates for City buildings
 - ▶ Installation of generators for additional community shelters
 - ▶ Translational services and printing supplies for messaging

45

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Annual Mitigation Plan Review Actions

- ▶ Review membership & invite appropriate people
- ▶ Review plan processes and communications mechanisms
- ▶ Evaluate outreach activities
- ▶ Evaluate new policies, plans, regulations, laws that should be incorporated
- ▶ Review and update the capability assessment and facilities
- ▶ Add new events to appropriate tables
- ▶ Assess for new/additional community risks
- ▶ Assess if mitigation actions for the identified year are being implemented
- ▶ Search for new/additional funding sources
- ▶ Review archives of digital assets and incident records

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Chapter 10

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Appendices

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Plan Appendices

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- ▶ Appendix A – Critical Community Facilities Vulnerability Assessment
- ▶ Appendix B – Annual Plan Implementation and Evaluation Worksheets
- ▶ Appendix C – Committee Meeting Agendas and Documentation
- ▶ Appendix D – Plan Approval Documentation
- ▶ Appendix E – Photographic History of Hazard Events in Concord
- ▶ Appendix F – Hazard Mitigation and Severe Weather Community Survey Data

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Chapter 11

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Maps

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Maps

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- ▶ Map 1: Potential Hazards
- ▶ Map 2: Past Hazards
- ▶ Map 3A/4A: Critical Facilities
- ▶ Map 3B/4B: Infrastructure
- ▶ Map 3C/4C: Vulnerable Populations
- ▶ Map 3D/4D: Economic Assets
- ▶ Map 3E/4E: Public Gathering Sites
- ▶ Map 3F/4F: Historic Resources
- ▶ Map 3G/4G: Hazardous Materials

Note: Series 3 maps contain only the indicated assets, whereas the Series 4 maps contain the indicated assets with an overlay of the potential hazard areas from Map 1.

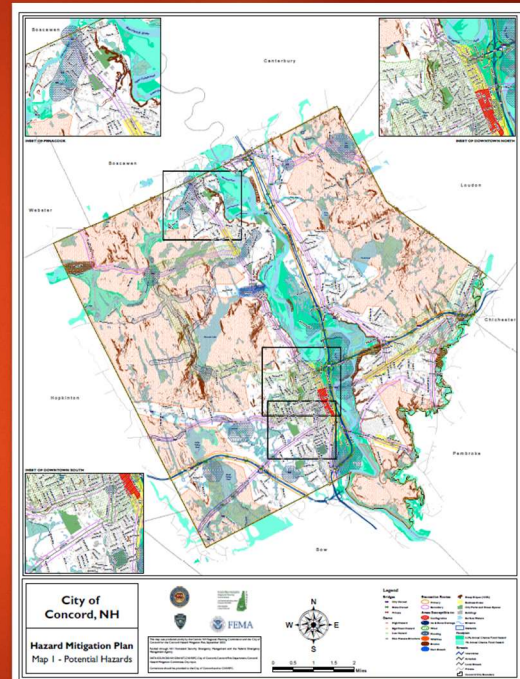
50

MAP 1 – Potential Hazards

Legend

Bridges	Evacuation Routes	Steep Slopes (>25%)
City Owned	Primary	Business Areas
State Owned	Secondary	City Parks and Green Spaces
Private		Buildings
Dams	Areas Susceptible to:	Surface Waters
High Hazard	Conflagration	Streams
Significant Hazard	Ice & Snow Damage	Wetlands
Low Hazard	Wind	Floodplain
Non Menace Structure	Flooding	0.2% Annual Chance Flood Hazard
	Wildfires	1% Annual Chance Flood Hazard
	Erosion	
	Dam Breach	Streets
		Interstates
		Arterials
		Local Streets
		Private
		Concord City Boundary

51



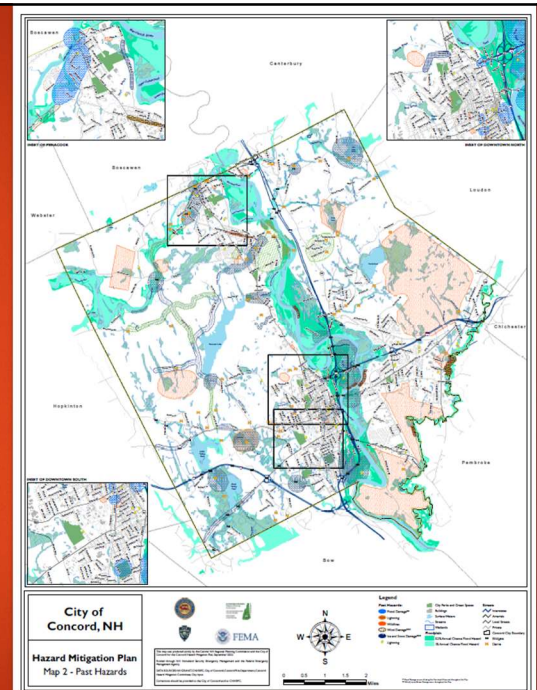
51

MAP 2 – Past Hazards

Legend

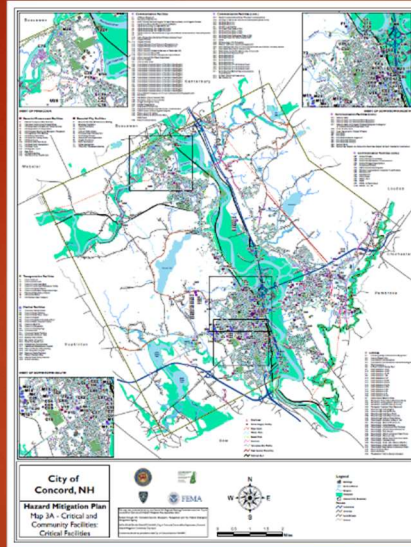
Past Hazards:	City Parks and Green Spaces	Streets
Flood Damage**	Buildings	Interstates
Lightning	Surface Waters	Arterials
Wildfires	Streams	Local Streets
Wind Damage***	Wetlands	Private
Ice and Snow Damage***	Floodplain	Concord City Boundary
Lightning	0.2% Annual Chance Flood Hazard	Bridges
	1% Annual Chance Flood Hazard	Dams

52

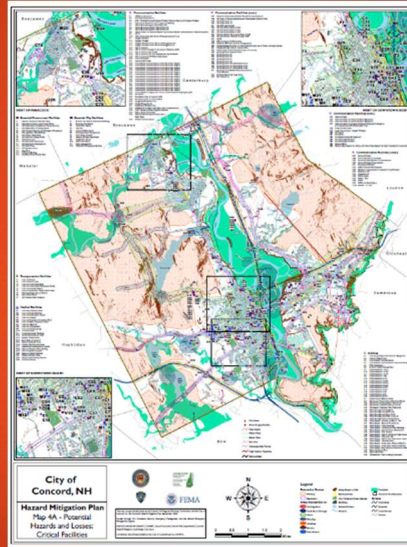


52

MAP 3A/4A – Critical Facilities



Series 3



Series 4

53

53

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Next Steps for 2023 Hazard Mitigation Plan

- ▶ NH HSEM/FEMA will review the plan and issue a conditional APA (approvable pending adoption) approval
- ▶ City Council adopts the plan
- ▶ NH HSEM & FEMA issue a formal approval letter for five (5) years

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Summary

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- ▶ The Hazard Mitigation Plan helps the City reduce damages from natural hazards, severe weather or other natural or man-made disaster events
- ▶ It helps better protect life, property, and infrastructure in Concord
- ▶ The City will remain eligible to apply for and receive FEMA mitigation funds, including the Hazard Mitigation Assistance (HMA) Program and Flood Mitigation Assistance (FMA) project grants

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Comments?

56

56

Concord, NH

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This post was contributed by a community member. The views expressed here are the author's own.

Concord | Local Event

Hazard Mitigation Plan Update 2023

JUL
10

 City of Concord NH, Local Official 

ADVERTISEMENT



PUBLIC NOTICE OF MEETINGS

City of Concord



07-10-2023

Participation Wanted for Hazard Mitigation

The City's **Hazard Mitigation Committee** will be reconvening on July 10, 2023 from 9:00 to 11:00 AM to revise the Draft 2023 Hazard Mitigation Plan submission initially filed in December 2022 with NH HSEM and FEMA.

The Concord Hazard Mitigation Plan details past and potential natural hazards and severe weather events, as well as human or tech events, identifies the risk to critical facilities and vulnerable areas, and provides a list of mitigation actions the City can take to lessen the impacts of hazards.

Concord Hazard Mitigation Plan Update 2023

Hazard Mitigation Committee

This meeting will be held remotely via Zoom. Join by Computer, Laptop, Tablet, or Smartphone: <https://us02web.zoom.us/j/81488631505>. To listen by toll call, telephone dial US: +1 929 205 6099 or +1 301 715 8592.

Visit the City website for more information at www.concordnh.gov.

MEETING DATE	Monday, Jul 10, 2023	09:00 AM –
For Haz Mit Committee Meeting		11:00 AM

For more information contact John Chisholm, Fire Chief & Emergency Management Coordinator, at 603.225-8650 or jchisholm@concordnh.gov.



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



FEDERAL EMERGENCY
MANAGEMENT AGENCY
Region 1 | www.fema.gov

Central New Hampshire Regional
Planning Commission (CNHRPC)
28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6020
www.cnhrpc.org



🕒 Mon, Jul 10, 2023 at 9:00 AM

Add to calendar ▾

🌐

More info here

The City's Hazard Mitigation Committee will be reconvening on July 10, 2023 from 9-11 a.m. to revise the Draft 2023 Hazard Mitigation Plan submission initially filed in December 2022 with NH HSEM and FEMA.

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To listen by toll call, telephone dial US: +1 929 205 6099 or +1 301 715 8592.

Visit the City website for more information at www.concordnh.gov.

☆ Interested

💬 Reply

➦ Share

🚩

👤 Write your reply

Reply

More Upcoming Events

👤 Add an event

Post

Local Event

JUL

10

Penacook Summer Farmers Market - Every Monday

🕒 Monday, 4:00 pm 📍 Concord, NH

☆ Interested

💬 Reply

➦ Share

🚩

Local Event

JUL

10

Game Night with Friends July 10-August 14

🕒 Monday, 4:30 pm 📍 Concord, NH

☆ Interested

💬 Reply

➦ Share

🚩

Local Event

JUL

10

Gibson's Book Club reads and discusses River of the Gods: Genius, Courage, and Betrayal in the Searc

🕒 Monday, 5:30 pm 📍 Concord, NH

☆ Interested

💬 Reply

➦ Share

🚩



City of Concord

Hazard Mitigation Committee 2022

MEETING 5 (Special)

Monday July 10, 2023 | 9:00 AM – 11:00 AM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/81488631505> | Meeting ID: 814 8863 1505

1 Introduction and Roll Call for Meeting Attendance and Participant Match Timesheet

Virtual **Meeting Attendance/Timesheet** at every Meeting and Work Session.

Meeting 5 is a rare meeting!

2 Discuss Approval Status of the Draft Concord Hazard Mitigation Plan 12-28-22 (07-21-23)

- FEMA sent back Plan sections through HSEM for revision on 03-21-23.
- We were unable to complete revisions AND obtain City Council approval by 04-18-2023.
- New 2023 FEMA Local Plan Review Policy Plan review “guidelines” came into effect 04-19-23.
- Few NH Plans were able to obtain APA (conditional approval) under old 2013 guidelines when submitted for APA last fall. See NH lapsed Plans-
<https://fema.maps.arcgis.com/apps/webappviewer/index.html?id=ec2fb023df744cf480da89539338c386>
- Concord’s revised 07-23 Plan has both the 2013 and the (assumed) 2023 guideline requirements for APA.
- Our new intention is to submit Concord’s July 2023 Plan for APA by Fri 07-21-23.
- If FEMA has further revisions before granting the APA, the HMC may need to reconvene again.
- Lots of re-organization of Plan information and very few substantive revisions.

3 Revise the Hazard Identification and Risk Assessment (HIRA) Natural Hazards with Highest Magnitude (Extent)

- Note the Magnitude Scale used, range of options to choose from, and hyperlink to Magnitude Scale.
- Click on hyperlink to view scale or index or classifications.
- For each Natural Hazard, answer: **What is the highest possible Magnitude/Extent the hazard could reach in Concord in the next 10 Years?**

4 Review the Updated Plan Review and Approval Process

- Next step is for CNHRPC to complete (assumed) required 2023 Plan revisions and resubmit for APA in July

Next Meeting Either:

?? TBD HMC if new set of substantive FEMA revisions received?? or
TBD HMC representation at City Council Meeting for their HMP Approval

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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www.cnhrpc.org



MEETING Match Timesheet to Contribute towards the Town's Minimum In-Kind \$ Match

Submit this original paper Timesheet

To Stephanie (salexander@cnhrpc.org) after each MEETING

Concord Hazard Mitigation Plan Update 2022 BRIC 2020 Volunteer & Staff In-Kind Match Reporting

☒ this QUARTER Ending: 3 ☐ Jan 1 - Mar 31 4 ☐ Apr 1 - Jun 30 1 ☒ Jul 1 - Sep 30 2 ☐ Oct 1 - Dec 31

<input checked="" type="checkbox"/> Year: <input type="checkbox"/> 2021 <input type="checkbox"/> 2022 <input checked="" type="checkbox"/> 2023		Attendees to complete 1 Match Timesheet per MEETING		Meeting Number Meeting 5 (Special) (M5) Zoom		Meeting Date Monday 07-10-23	
Attendance	Volunteer	Town Staff	NAMES OF ATTENDEES Hazard Mitigation Committee Members, Volunteers, Stakeholders and Guests	IF PRESENT INITIAL HERE	TIME Hours Spent at Meeting <i>To the nearest 0.5 hr</i>	HOURLY RATE Town Staff* \$xx.xx ~OR~ Volunteer \$30.75	TOTAL In-Kind Match Value \$ for this Meeting
1			John Chisholm, Emergency Mgt Coord	JC	2.0	\$30.75	
2			Matt Walsh, Dep City Mgr of Developmt	MW	2.0	\$30.75	
4			Jonathan Smullen, Asst IT Dir	JS	2.0	\$30.75	
7			Todd Fabian, Library Dir	TF	2.0	\$30.75	
8			Matt Cashman, Concord School Dist Fac Dir	MC	2.0	\$30.75	
10			Christine Miller, Penacook Village Assn	CM	1.0	\$30.75	
11			Mike O'Meara, City Liaison for CCTV	MOM	2.0	\$30.75	
12			Jason Wovkenech, NHTI Dir Campus Safety	JW	2.0	\$30.75	
14			Michael Bezanson, City Engineer	MB	2.0	\$30.75	
15			Lt Charles Wroblewski, Police Dept	CW	0.5	\$30.75	
16			Jamie Costa, Concord Monitor	JC	1.0	\$30.75	
17			Stefanie Breton, PIO	SB	1.0	\$30.75	
20	-	-	Stephanie Alexander, CNHRPC Senior Planner	SA	2.0	-----	-----
			M5 meeting held via remote Zoom (publicly accessible link). Attendance by SA, CNHRPC.				
Attach more MEETING Match Timesheet pages as needed to record attendance during this MEETING.						Total In-Kind Match from MEETING Timesheet \$	


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News > Local (<http://www.concordmonitor.com/News/Local/>)

Concord preparing for flash floods and other natural disasters now and in the future



A portion of Spectacle Pond Road is closed to due to damage from flooding in Grafton, N.H., on Monday, July 10, 2023. (Valley News / Report For America - Alex Driehaus) Copyright Valley News. May not be reprinted or used online without permission. Send requests to permission@vnews.com. Alex Driehaus

By JAMIE L. COSTA (<http://articles.concordmonitor.com/byline?byline=By.JAMIE.L.COSTA>)

Monitor staff

Published: 7/10/2023 4:20:25 PM

The four main rivers running through Concord and the surrounding towns put the area at a higher risk for flash flooding in the event of heavy rains and downpours.

“Flooding is a primary hazard in New Hampshire,” said Senior Planner Stephanie Alexander of the Central New Hampshire Regional Planning Commission.

Citing significant flooding in Concord between 2006 and 2008, Alexander said part of the city’s hazard mitigation plan includes the anticipation of severe flooding that has and will continue to impact city infrastructure. The plan needs to be updated every five years to remain eligible for federal grant funding in the face of natural disasters or state emergencies.

AD



It was last updated in 2017 and looks at natural hazards and severe weather events and their potential impact on the community.

“The funding would be used to help the city to do a large project if there was a culvert that needed to be replaced and was flooded out; we could use one of the grants to apply for funding,” Alexander said.

“There were a lot of severe infrastructure breaks and a lot of the money was used to correct a lot of that infrastructure that we didn’t know needed to be repaired until we had these significant floods.”

Because flooding is the primary natural hazard in the state, the city of Concord often sees flash floods along the Merrimack River, the Turkey River, the Contoocook River and the Soucook River, all of which run along main roadways and interstates, Alexander said.

“Another purpose of the plan is to develop a list of mitigation actions that the city can undertake to make themselves safer from all of the hazards that we look at within the next five years,” she continued.

Some of those mitigation actions include public education and outreach for disaster protection, upgrading stormwater infrastructure and supporting the work of other committees and stakeholders to make the city safer from weather events.

Support the Concord Monitor. Subscribe Today → (<https://www.concordmonitor.com/Reader-Services/Subscribe-2019>).

On Monday, Alexander alongside city department heads, staff and stakeholders met to discuss the potential of natural disasters occurring in Concord and how bad it could get. Once completed, the plan will be submitted to Homeland Security and Emergency Management for review and later to FEMA for final feedback and approval.

As part of the assessment, the group discussed the risk severity of several weather events and natural disasters in the city of Concord over the next 10 years, including dam failures, inland flooding and river hazards, all of which were given high ratings of probability.

In the city, the Penacook Lake Dam and the Turkey Pond Dam are considered high hazards, Alexander explained. If either of the dams broke, they could cause serious injury or death and impact the city's communication center or fire headquarters.

The anticipation of severe weather events and how to measure them has grown more complex.

"I think the scales should be reviewed soon since they're being broken regularly," Michael O'Meara, director of programming and information technology at Concord High School. "We could reach that today in some parts of New Hampshire and we had flash flooding on Storrs Street a week ago."

The group has convened sixteen times since April 2022 to finalize the city's hazard mitigation plan. They will meet again on July 17 at noon via Zoom to continue their discussion with the hope of submitting the final plans to the Division of Homeland Security by the end of next week.

More immediately, state officials are urging residents to prepare for potential flooding over the next few days with the recent amount of rain that could cause the rivers to overflow, submerging low-lying areas and flooding roadways.

To prepare for flash floods, residents should pay attention to local forecasts, establish an emergency plan, identify high ground and avoid roadways prone to flooding, said Robert Buxton, the director of the Division of Homeland Security and Emergency Management.



City of Concord

Hazard Mitigation Committee 2022

WORK SESSION 5 (Special)

Monday July 17, 2023 | 12:00 – 2:00 PM

MEETING HELD REMOTELY VIA ZOOM | Public can visit <https://www.concordnh.gov/> for more information or contact the Concord Fire Department Administration at 603.225.8650



AGENDA for Hazard Mitigation Plan Update

Public Zoom link: <https://us02web.zoom.us/j/81488631505> | Meeting ID: 814 8863 1505

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?? TBD HMC if new set of substantive FEMA revisions received?? or
TBD HMC representation at City Council Meeting for their HMP Approval

Contact Stephanie Alexander (SA) at salexander@cnhrpc.org or 603-226-6021



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To Stephanie (salexander@cnhrpc.org) after each MEETING

Concord Hazard Mitigation Plan Update 2022 BRIC 2020 Volunteer & Staff In-Kind Match Reporting

☒ this **QUARTER Ending:** 3 ☐ Jan 1 - Mar 31 4 ☐ Apr 1 - Jun 30 1 ☒ Jul 1 - Sep 30 2 ☐ Oct 1 - Dec 31

<input checked="" type="checkbox"/> Year: <input type="checkbox"/> 2021 <input type="checkbox"/> 2022 <input checked="" type="checkbox"/> 2023			Attendees to complete 1 Match Timesheet per MEETING		Meeting Number Work Session 5 (Special) (WS5) Zoom		Meeting Date Monday 07-17-23	
Attendance	Volunteer	Town Staff	NAMES OF ATTENDEES Hazard Mitigation Committee Members, Volunteers, Stakeholders and Guests	IF PRESENT INITIAL HERE	TIME Hours Spent at Meeting <i>To the nearest 0.5 hr</i>	HOURLY RATE Town Staff* \$xx.xx ~OR~ Volunteer \$30.75	TOTAL In-Kind Match Value \$ for this Meeting	
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3			Chip Chesley, General Services Dir	CC	2.0	\$30.75		
4			Jonathan Smullen, Asst IT Dir	JC	2.0	\$30.75		
10			Christine Miller, Penacook Village Assn	CM	2.0	\$30.75		
12			Jason Wovkenech, NHTI Dir Campus Safety	JW	2.0	\$30.75		
14			Michael Bezanson, City Engineer	MB	2.0	\$30.75		
15			Lt Charles Wroblewski, Police Dept	CW	2.0	\$30.75		
18			Michael Melody, Concord Hospital, Dir Safety & EM	MM	1.5	\$30.75		
20	-	-	Stephanie Alexander, CNHRPC Senior Planner	SA	2.0	-----	-----	
			WS5 meeting held via remote Zoom (publicly accessible link). Attendance by SA, CNHRPC.					
Attach more MEETING Match Timesheet pages as needed to record attendance during this MEETING .						Total In-Kind Match from MEETING Timesheet \$		



PUBLIC NOTICE OF MEETINGS CITY OF CONCORD, NH

[posting date xx-xx-xx]



City Council Public Meeting for Adoption of the **Concord Hazard Mitigation Plan 2024**

Sponsored by the
Concord Hazard Mitigation Committee

Concord Hazard Mitigation Plan 2024

City Council Adoption

Monday, April 8, 2024 at 7:00 PM

City Council Chambers, 37 Green Street

All are invited to attend.

The Plan and Maps will be available for viewing at the City Hall, Concord Fire Department Administration, and on the City website at www.concordnh.gov.

For more information contact John Chisholm, Fire Chief,
at 603.225.8650 or jchisholm@concordnh.gov.

Central New Hampshire Regional
Planning Commission (CNHRPC)
28 Commercial Street, Suite 3
Concord, NH 03301 | 603.226.6021
www.cnhrpc.org



NH HOMELAND SECURITY and
EMERGENCY MANAGEMENT
www.nh.gov/safety/divisions/hsem



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www.fema.gov





City of Concord, New Hampshire
Concord Fire Department Administration
Training Building
24 Horseshoe Pond Lane
Concord NH, 03301
603.225.8650

Day, [Press Release Date]
FOR IMMEDIATE RELEASE

For more information contact:

John Chisholm, Fire Chief, 603.225.8650 or jchisholm@concordnh.gov

PRESS RELEASE

Concord Hazard Mitigation Plan 2024 Adoption Meeting

CONCORD: [Press Release Date] – The Concord City Council will hold a duly-noticed public meeting on Monday, April 8, 2024 at 7:00 PM at the City Council Chambers, 37 Green Street, to adopt the **Concord Hazard Mitigation Plan Update 2024** developed by the Concord Hazard Mitigation Committee with the assistance of the Central NH Regional Planning Commission. The Plan’s update, required by the Federal Emergency Management Agency (FEMA) every five years, will enable the City to retain eligibility for federal disaster recovery and mitigation grant funding. The Plan has been awarded conditional, Approvable Pending Adoption (APA) status by FEMA and now requires the City’s adoption before the federal, five-year formal approval can be issued.

The **Concord Hazard Mitigation Plan Update 2024** documents and maps are available for viewing at City Hall, the Concord Fire Department Administration, and on the City website at www.concordnh.gov.

For more information, contact John Chisholm, Fire Chief, at 603.225.8650 or jchisholm@concordnh.gov.

###

Concord Hazard Mitigation Plan (HMP) Update 2024

City Council Adoption

TONIGHT'S STEPS FOR CONCORD CITY COUNCIL

- 🕒 Hold a public meeting to adopt the updated Hazard Mitigation Plan on 04-08-24.
Discuss the Hazard Mitigation Plan and enter a motion for its adoption (by Consent Agenda) - *No amendments can be made to the Plan now because the Plan has been conditionally approved by FEMA (03-06-24) as written.*
- 🕒 Sign the Certificate of Adoption (Adoption Resolution).
- 🕒 Have the City Clerk sign and seal the Certificate(s) after the meeting.

PROJECT

The Hazard Mitigation Committee comprised of City Departments, Boards, School Districts, volunteers and staff of non-profit organizations, and with the Central NH Regional Planning Commission (CNHRPC) staff updated the 2017 **Concord Hazard Mitigation Plan (HMP)** to current 2023 federal standards from April-December 2022. Meetings were publicly noticed on the City website with a general invitation for participation, invitations were issued to potential stakeholders, and 89 online Hazard Mitigation and Severe Weather Event Community Survey responses were collected.

PURPOSE

The original Concord HMP was approved in 2007. This 2024 HMP is the 4th version. Every five years, the Federal Emergency Management Agency (FEMA), through NH Homeland Security and Emergency Management (NH HSEM), requires the **Concord HMP to be updated to current state and federal standards to retain eligibility for certain numerous mitigation, response, and recovery grants under FEMA's Hazard Mitigation Assistance (HMA) program** (see Chapter 1).

Click <https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/requirements> to view lists of current federal mitigation grants requiring an updated HMP.

The Plan identifies a series of Mitigation Actions that include Local Planning and Regulation projects, Structural and Infrastructure projects, Natural Systems Protection projects, and Education and Awareness projects (see Chapter 8). The City should **implement the Plan over the next five years** – work towards completing the highest priority Actions to help stay safer during disaster declaration events and severe weather events (see Chapter 9). Implementation should begin within three months of City Council Plan adoption to adhere to the commitments outlined in Chapter 9.

FUNDING SOURCE

A Building Resilient Infrastructure and Communities (BRIC) 2020 award provided 75%/25% funding for the City to update its Concord HMP 2017 using CNHRPC assistance. The 25% match required by the City was fulfilled by tracking in-kind staff and volunteer time. The BRIC grant is administered by CNHRPC, on behalf of the City, through NH HSEM as provided by FEMA. **There was \$0 dollar budget cost to Concord.**

DECLARED DISASTERS and FUNDING

The City has experienced over 30 Major Disaster Declarations (DR-) and Emergency Declarations (EM-) since 1973, when the federal database of disasters was developed.

The City applied for and received FEMA Public Assistance (PA) disaster recovery funding for nearly a dozen natural disasters and emergency declarations in Concord since 1993, when funding data became publicly available (see Chapter 4).

Specific Natural Hazards Included in the Hazard Mitigation Plan		
DROUGHT	EARTHQUAKE	LANDSLIDE Soil, Rockslide or Excavation Areas
EXTREME TEMPERATURES Excessive Heat, Heat Wave, Extreme Cold or Wind Chill		
WILDFIRE Brushfire, Outdoor Fires or Accidental	LIGHTNING	
INLAND FLOODING Rains, Snow Melt, or Flash Floods	DAM FAILURE Water Overtop, Breach or Beaver	RIVER HAZARDS Ice Jams, Scouring, Erosion, Channel Movement or Debris
PUBLIC HEALTH Infectious Diseases, Air & Water Quality, Biological, Addiction, Arboviral or Tick-borne		
SOLAR STORMS AND SPACE WEATHER Solar Winds, Geomagnetic Storms (Aurora Borealis), Solar Radiation or Radio Blackout		
HIGH WIND EVENTS Wind, Thunderstorms, Hail, Downbursts, Tornadoes or Debris		TROPICAL AND POST-TROPICAL CYCLONES Hurricanes, Tropical Storms or Tree Debris
SEVERE WINTER WEATHER Snow, Ice, Blizzard or Nor'Easter		AVALANCHE <i>not relevant to Concord's geography and development.</i>
TECHNOLOGICAL HAZARDS and HUMAN HAZARDS		

Weather Disasters DR- & EM-	\$1,164,827	Total Public Assistance to Concord 1993-2022**
Pandemic Funds DR-4516	\$1,249,111	Total GOFERR Assistance to Concord 2020-2022
Total Federal Disaster Funding to Concord 1993-2022**	\$2,413,938	NH Governor's Office for Emergency Relief and Recovery (GOFERR) 2020-2022 https://www.goferr.nh.gov/welcome

The most expensive weather disaster recovery for Concord since 1993 was the May 2006 Flood [DR-1643] - about \$213k was received for the repair of local City roads and bridges. An additional \$1.2m+ in 2020-2022 COVID-19 [DR-4516] relief funds was provided to the City.

A wealth of **historical disaster information for Concord and the region is available in the Plan**. The City's **critical and community facilities are inventoried and considered for potential vulnerability to hazards** (see Chapters 4-5).

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REVISED 2024 Draft Hazard Mitigation Plan Update Review & Approval Process Timeline

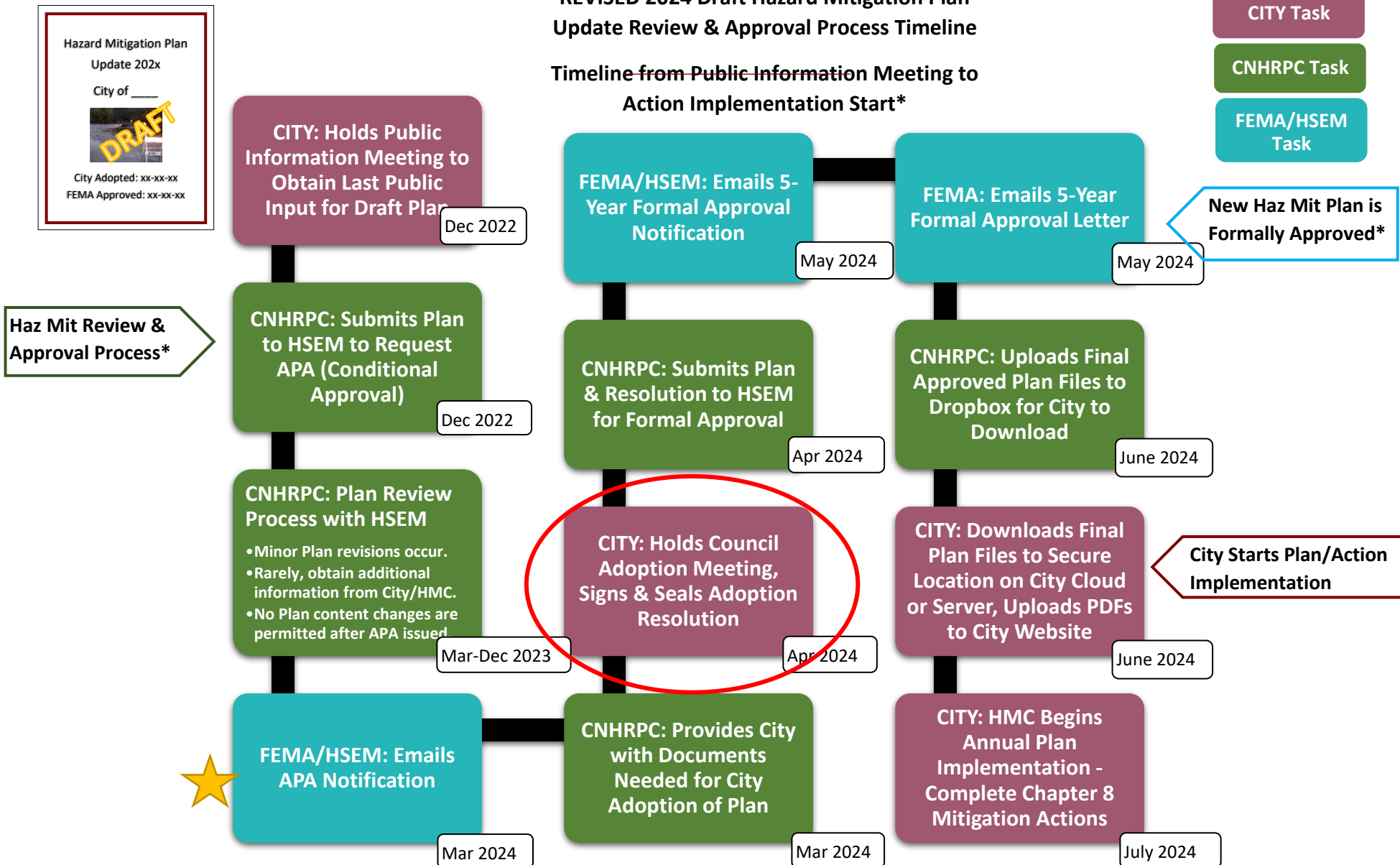
Timeline from ~~Public Information Meeting~~ to
Action Implementation Start*

CITY Task

CNHRPC Task

FEMA/HSEM
Task




New Haz Mit Plan is
Formally Approved*

City Starts Plan/Action
Implementation


*Extended 5-year Haz Mit Plan review & Formal Approval process (new 2023 federal policies, HSEM reorganization)

D Plan Approval Documentation

The documentation of the **Hazard Mitigation Plan 2024** approvals, the City Clerk's Adoption Resolution, Notification of Formal Approval and FEMA's Letter of Formal Approval are attached.

-  Concord City Council Adoption Resolution ◇ _____ **04-08-24**
-  HSEM/FEMA Notification of Formal Approval ◇ _____ **xx-xx-24**
-  FEMA's Letter of Formal Approval ◇ _____ **xx-xx-24**

The approved regulatory checklist review provided by the NHHSEM is attached which indicates how and where the **2024 Plan** met the federal Plan requirements. The final review tool also suggests improvements for next **2029 Plan**.

-  HSEM/FEMA Local Mitigation Plan Review Tool (APA) ◇ _____ **03-06-24**

Concord Hazard Mitigation Plan Update 2024 lapses on **xx-xx-29**

City Council Adoption Resolution

HSEM/FEMA Notification of Formal Approval

FEMA Formal Approval Letter



Stephanie Alexander <salexander@cnhrpc.org>

HMP Approvable Pending Adoption (APA) Notice: Concord, NH

Neiderbach, Josiah <josiah.neiderbach@fema.dhs.gov>

Wed, Mar 6, 2024 at 4:54 PM

To: "jchisholm@concord.nh.gov" <jchisholm@concord.nh.gov>, "citymanager@concordnh.gov" <citymanager@concordnh.gov>

Cc: "salexander@cnhrpc.org" <salexander@cnhrpc.org>, "Bogdan, Kerry" <Kerry.Bogdan@fema.dhs.gov>, FEMA-R1-MitigationPlans <FEMA-R1-MitigationPlans@fema.dhs.gov>, "Clasby, Virginia" <Virginia.R.Clasby@dos.nh.gov>, "Doyle, Lynne" <Lynne.E.Doyle@dos.nh.gov>, "DOS: Hazard Mitigation" <NH.HM@dos.nh.gov>, "Brown, Austin" <Austin.T.Brown@dos.nh.gov>

Reference: Adoption Required to Finish Local Mitigation Plan Process

Dear Officials:

The Risk Analysis Branch of the FEMA Region 1 Mitigation Division has determined the *Hazard Mitigation Plan Update 2024, City of Concord, New Hampshire* meets all applicable FEMA Mitigation Planning requirements (Local Mitigation Planning Policy Guide, effective April 19, 2023), except its adoption by: City of Concord, NH.

This status is "Approvable Pending Adoption" (APA). Plan adoption is required to receive formal FEMA approval.

Local governments, including special districts, with a plan status of "Approvable Pending Adoption" are not eligible for FEMA mitigation grant programs with a mitigation plan requirement.

The next step in the approval process is to formally adopt the mitigation plan and send a resolution or adoption documentation in accordance with Element F1 of the [Local Mitigation Planning Policy Guide](#) on pages 31-32, to the State for submission to FEMA. A sample adoption resolution can also be found in Appendix B of the Policy Guide.

It is critical for the jurisdiction to adopt the plan as soon as possible. Jurisdictions that adopt the plan more than one year after APA status has been issued must either:

- Validate that their information in the plan remains current with respect to both the risk assessment (no recent hazard events, no changes in development) and their mitigation strategy (no changes necessary); or
- Make the necessary updates before submitting the adoption resolution to FEMA.

An approved local mitigation plan, including adoption by the local government, is one of the conditions for applying for and/or receiving FEMA mitigation grants from the following programs:

- Building Resilient Infrastructure and Communities (BRIC)
- Flood Mitigation Assistance (FMA)
- Hazard Mitigation Grant Program (HMGP)
- HMGP Post-Fire
- If applicable, High Hazard Potential Dams Grant Program (HHPD)

If a plan does not meet the HHPD requirements, then the jurisdiction is not eligible for assistance from the HHPD Grant Program. If any jurisdiction with HHPDs is interested in this assistance, they should contact the FEMA Regional Mitigation Planner listed below to learn more about how to include all dam risks in the plan, or at least their portion of the plan.

We look forward to receiving the adoption resolution/documentation soon and discussing options for implementing this mitigation plan. If we can assist in any way, please contact Jay Neiderbach at 202-285-7769 and josiah.neiderbach@fema.dhs.gov.

Sincerely,

Jay

Josiah (Jay) Neiderbach, Mitigation Planner

Risk Analysis Branch | Mitigation Division | DHS / FEMA, Region I

M: 202.285.7769 E: josiah.neiderbach@fema.dhs.gov

Attachment: FEMA Local Mitigation Plan Review Tool

 **Concord NH APA Review.docx**
100K

Local Mitigation Plan Review Tool

Cover Page

The Local Mitigation Plan Review Tool (PRT) demonstrates how the local mitigation plan meets the regulation in 44 CFR § 201.6 and offers states and FEMA Mitigation Planners an opportunity to provide feedback to the local governments, including special districts.

1. The Multi-Jurisdictional Summary Sheet is a worksheet that is used to document how each jurisdiction met the requirements of the plan elements (Planning Process; Risk Assessment; Mitigation Strategy; Plan Maintenance; Plan Update; and Plan Adoption).
2. The Plan Review Checklist summarizes FEMA's evaluation of whether the plan has addressed all requirements.

For greater clarification of the elements in the Plan Review Checklist, please see Section 4 of this guide. Definitions of the terms and phrases used in the PRT can be found in Appendix E of this guide.

Plan Information	
Jurisdiction(s)	City of Concord, NH
Title of Plan	Hazard Mitigation Plan Update 2023, City of Concord, New Hampshire
New Plan or Update	Update
Single- or Multi-Jurisdiction	Single-jurisdiction
Date of Plan	8/30/2023
Local Point of Contact	
Title	John Chisholm, Fire Chief, EMD
Agency	Concord, NH Fire Department
Address	24 Horseshoe Pond Lane, Concord, NH 03301
Phone Number	603-230-3801
Email	jchisholm@concord.nh.gov

Additional Point of Contact	
Title	Thomas J. Aspell, Jr., City Administrator
Agency	Concord, NH City Administration
Address	41 Green Street, Concord, NH 03301
Phone Number	603-225-8570
Email	citymanager@concordnh.gov
Additional Point of Contact	
Title	Stephanie Alexander, Senior Planner
Agency	Central New Hampshire Regional Planning Commission (CNHRPC)
Address	28 Commercial Street, Suite 3, Concord, NH 03301
Phone Number	603-226-6021
Email	salexander@cnhrpc.org

1 st Review Information	
State Review	
State Reviewer(s) and Title	Lynne Doyle, State Hazard Mitigation Planner
State Review Date	2/3/2023
FEMA Review	
FEMA Reviewer(s) and Title	Jay Neiderbach, FEMA R1 Community Planner Nan Johnson, FEMA R1 Senior Community Planner
Date Received in FEMA Region	2/3/2023
Plan Not Approved	3/21/2023
Plan Approvable Pending Adoption	Click or tap to enter a date.
Plan Approved	Click or tap to enter a date.

2 nd Review Information	
State Review	
State Reviewer(s) and Title	Lynne Doyle, State Hazard Mitigation Planner
State Review Date	8/24/2023
FEMA Review	
FEMA Reviewer(s) and Title	Kathryn Strelevitz, CERC Planner Jay Neiderbach, FEMA R1 Community Planner Nan Johnson, FEMA R1 Senior Community Planner
Date Received in FEMA Region	8/30/2023
Plan Not Approved	12/4/2023
Plan Approvable Pending Adoption	Click or tap to enter a date.
Plan Approved	Click or tap to enter a date.

3 rd Review Information	
State Review	
State Reviewer(s) and Title	Lynne Doyle, State Hazard Mitigation Planner
State Review Date	12/13/2023
FEMA Review	
FEMA Reviewer(s) and Title	Jay Neiderbach, FEMA R1 Community Planner Nan Johnson, FEMA R1 Senior Community Planner
Date Received in FEMA Region	12/13/2023
Plan Not Approved	Click or tap to enter a date.
Plan Approvable Pending Adoption	3/5/2024
Plan Approved	Click or tap to enter a date.

Plan Review Checklist

The Plan Review Checklist is completed by FEMA. States and local governments are encouraged, but not required, to use the PRT as a checklist to ensure all requirements have been met prior to submitting the plan for review and approval. The purpose of the checklist is to identify the location of relevant or applicable content in the plan by element/sub-element and to determine if each requirement has been “met” or “not met.” FEMA completes the “required revisions” summary at the bottom of each element to clearly explain the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is “not met.” Sub-elements in each summary should be referenced using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each element and sub-element are described in detail in Section 4: Local Plan Requirements of this guide.

Plan updates must include information from the current planning process.

If some elements of the plan do not require an update, due to minimal or no changes between updates, the plan must document the reasons for that.

Multi-jurisdictional elements must cover information unique to all participating jurisdictions.

Element A: Planning Process

Element A Requirements	Location in Plan (section and/or page number)	Met / Not Met
A1. Does the plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement 44 CFR § 201.6(c)(1))		
A1-a. Does the plan document how the plan was prepared, including the schedule or time frame and activities that made up the plan’s development, as well as who was involved?	pp. 3-16, Appendix C	Met
A1-b. Does the plan list the jurisdiction(s) participating in the plan that seek approval, and describe how they participated in the planning process?	pp. 3-16, Appendix C	Met

Element A Requirements	Location in Plan (section and/or page number)	Met / Not Met
A2. Does the plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development as well as businesses, academia, and other private and non-profit interests to be involved in the planning process? (Requirement 44 CFR § 201.6(b)(2))		
A2-a. Does the plan identify all stakeholders involved or given an opportunity to be involved in the planning process, and how each stakeholder was presented with this opportunity?	pp. 3-16, Appendix C	Met
A3. Does the plan document how the public was involved in the planning process during the drafting stage and prior to plan approval? (Requirement 44 CFR § 201.6(b)(1))		
A3-a. Does the plan document how the public was given the opportunity to be involved in the planning process and how their feedback was included in the plan?	pp. 3-16, Appendix C & F	Met
A4. Does the plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement 44 CFR § 201.6(b)(3))		
A4-a. Does the plan document what existing plans, studies, reports and technical information were reviewed for the development of the plan, as well as how they were incorporated into the document?	pp. 20, 255-263, citations throughout	Met
ELEMENT A REQUIRED REVISIONS		
Required Revision:		

Element B: Risk Assessment

Element B Requirements	Location in Plan (section and/or page number)	Met / Not Met
B1. Does the plan include a description of the type, location, and extent of all natural hazards that can affect the jurisdiction? Does the plan also include information on previous occurrences of hazard events and on the probability of future hazard events? (Requirement 44 CFR § 201.6(c)(2)(i))		
B1-a. Does the plan describe all natural hazards that can affect the jurisdiction(s) in the planning area, and does it provide the rationale if omitting any natural hazards that are commonly recognized to affect the jurisdiction(s) in the planning area?	pp. 33-254, Appendix A, Maps 1–3D	Met
B1-b. Does the plan include information on the location of each identified hazard?	pp. 33-254, Appendix A, Maps 1–3D	Met
B1-c. Does the plan describe the extent for each identified hazard?	pp. 33-254, Appendix A, Maps 1–3D	Met
B1-d. Does the plan include the history of previous hazard events for each identified hazard?	pp. 33-254, Appendices A&E, Maps 1–3D	Met
B1-e. Does the plan include the probability of future events for each identified hazard? Does the plan describe the effects of future conditions, including climate change (e.g., long-term weather patterns, average temperature and sea levels), on the type, location and range of anticipated intensities of identified hazards?	pp. 33-254, Appendix A, Maps 1–3D	Met
B1-f. For participating jurisdictions in a multi-jurisdictional plan, does the plan describe any hazards that are unique to and/or vary from those affecting the overall planning area?	This is a single jurisdiction plan.	N/A
B2. Does the plan include a summary of the jurisdiction's vulnerability and the impacts on the community from the identified hazards? Does this summary also address NFIP-insured structures that have been repetitively damaged by floods? (Requirement 44 CFR § 201.6(c)(2)(ii))		
B2-a. Does the plan provide an overall summary of each jurisdiction's vulnerability to the identified hazards?	pp. 33-254, Appendix A, Maps 1–3D	Met

Element B Requirements	Location in Plan (section and/or page number)	Met / Not Met
B2-b. For each participating jurisdiction, does the plan describe the potential impacts of each of the identified hazards on each participating jurisdiction?	pp. 33-261, Appendix A, Maps 1–3D	Met
B2-c. Does the plan address NFIP-insured structures within each jurisdiction that have been repetitively damaged by floods?	pp. 258-259	Met
ELEMENT B REQUIRED REVISIONS		
Required Revision: Click or tap here to enter text.		

Element C: Mitigation Strategy

Element C Requirements	Location in Plan (section and/or page number)	Met / Not Met
C1. Does the plan document each participant's existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement 44 CFR § 201.6(c)(3))		
C1-a. Does the plan describe how the existing capabilities of each participant are available to support the mitigation strategy? Does this include a discussion of the existing building codes and land use and development ordinances or regulations?	pp. 255-291	Met
C1-b. Does the plan describe each participant's ability to expand and improve the identified capabilities to achieve mitigation?	pp. 255-291, 344	Met
C2. Does the plan address each jurisdiction's participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement 44 CFR § 201.6(c)(3)(ii))		
C2-a. Does the plan contain a narrative description or a table/list of their participation activities?	pp. 255-263	Met

Element C Requirements	Location in Plan (section and/or page number)	Met / Not Met
C3. Does the plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement 44 CFR § 201.6(c)(3)(i))		
C3-a. Does the plan include goals to reduce the risk from the hazards identified in the plan?	pp. 27-32	Met
C4. Does the plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement 44 CFR § 201.6(c)(3)(ii))		
C4-a. Does the plan include an analysis of a comprehensive range of actions/projects that each jurisdiction considered to reduce the impacts of hazards identified in the risk assessment?	pp. 311-343	Met
C4-b. Does the plan include one or more action(s) per jurisdiction for each of the hazards as identified within the plan's risk assessment?	pp. 311-343	Met
C5. Does the plan contain an action plan that describes how the actions identified will be prioritized (including a cost-benefit review), implemented, and administered by each jurisdiction? (Requirement 44 CFR § 201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))		
C5-a. Does the plan describe the criteria used for prioritizing actions?	pp. 346-350	Met
C5-b. Does the plan provide the position, office, department or agency responsible for implementing/administrating the identified mitigation actions, as well as potential funding sources and expected time frame?	pp. 311-343	Met
ELEMENT C REQUIRED REVISIONS		
Required Revision:		

Element D: Plan Maintenance

Element D Requirements	Location in Plan (section and/or page number)	Met / Not Met
D1. Is there discussion of how each community will continue public participation in the plan maintenance process? (Requirement 44 CFR § 201.6(c)(4)(iii))		
D1-a. Does the plan describe how communities will continue to seek future public participation after the plan has been approved?	pp. 361-362, Appendix B	Met
D2. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a five-year cycle)? (Requirement 44 CFR § 201.6(c)(4)(i))		
D2-a. Does the plan describe the process that will be followed to track the progress/status of the mitigation actions identified within the Mitigation Strategy, along with when this process will occur and who will be responsible for the process?	pp. 351-357, Appendix B	Met
D2-b. Does the plan describe the process that will be followed to evaluate the plan for effectiveness? This process must identify the criteria that will be used to evaluate the information in the plan, along with when this process will occur and who will be responsible.	pp. 351-357, Appendix B	Met
D2-c. Does the plan describe the process that will be followed to update the plan, along with when this process will occur and who will be responsible for the process?	pp. 351-357, Appendix B	Met
D3. Does the plan describe a process by which each community will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement 44 CFR § 201.6(c)(4)(ii))		
D3-a. Does the plan describe the process the community will follow to integrate the ideas, information and strategy of the mitigation plan into other planning mechanisms?	pp. 358-360	Met
D3-b. Does the plan identify the planning mechanisms for each plan participant into which the ideas, information and strategy from the mitigation plan may be integrated?	pp. 358-360	Met
D3-c. For multi-jurisdictional plans, does the plan describe each participant's individual process for integrating information from the mitigation strategy into their identified planning mechanisms?	This is a single jurisdiction plan.	N/A

ELEMENT D REQUIRED REVISIONS

Required Revision:

Click or tap here to enter text.

Element E: Plan Update

Element E Requirements	Location in Plan (section and/or page number)	Met / Not Met
E1. Was the plan revised to reflect changes in development? (Requirement 44 CFR § 201.6(d)(3))		
E1-a. Does the plan describe the changes in development that have occurred in hazard-prone areas that have increased or decreased each community's vulnerability since the previous plan was approved?	pp. 20-26, 216-223	Met
E2. Was the plan revised to reflect changes in priorities and progress in local mitigation efforts? (Requirement 44 CFR § 201.6(d)(3))		
E2-a. Does the plan describe how it was revised due to changes in community priorities?	pp. 293-343	Met
E2-b. Does the plan include a status update for all mitigation actions identified in the previous mitigation plan?	pp. 293-309	Met
E2-c. Does the plan describe how jurisdictions integrated the mitigation plan, when appropriate, into other planning mechanisms?	pp. 295-309, 358	Met
ELEMENT E REQUIRED REVISIONS		
Required Revision:		
Click or tap here to enter text.		

Element F: Plan Adoption

Element F Requirements	Location in Plan (section and/or page number)	Met / Not Met
F1. For single-jurisdictional plans, has the governing body of the jurisdiction formally adopted the plan to be eligible for certain FEMA assistance? (Requirement 44 CFR § 201.6(c)(5))		
F1-a. Does the participant include documentation of adoption?	An unsigned copy of the adoption resolution was provided on pp. 1-2	Choose an item.
F2. For multi-jurisdictional plans, has the governing body of each jurisdiction officially adopted the plan to be eligible for certain FEMA assistance? (Requirement 44 CFR § 201.6(c)(5))		
F2-a. Did each participant adopt the plan and provide documentation of that adoption?	This is a single jurisdiction plan.	N/A
ELEMENT F REQUIRED REVISIONS		
Required Revision: Click or tap here to enter text.		

Element G: High Hazard Potential Dams (Optional) – Not submitted for HHPD review

HHPD Requirements	Location in Plan (section and/or page number)	Met / Not Met
HHPD1. Did the plan describe the incorporation of existing plans, studies, reports and technical information for HHPDs?		
HHPD1-a. Does the plan describe how the local government worked with local dam owners and/or the state dam safety agency?	Click or tap here to enter text.	Choose an item.
HHPD1-b. Does the plan incorporate information shared by the state and/or local dam owners?	Click or tap here to enter text.	Choose an item.

HHPD Requirements	Location in Plan (section and/or page number)	Met / Not Met
HHPD2. Did the plan address HHPDs in the risk assessment?		
HHPD2-a. Does the plan describe the risks and vulnerabilities to and from HHPDs?	Click or tap here to enter text.	Choose an item.
HHPD2-b. Does the plan document the limitations and describe how to address deficiencies?	Click or tap here to enter text.	Choose an item.
HHPD3. Did the plan include mitigation goals to reduce long-term vulnerabilities from HHPDs?		
HHPD3-a. Does the plan address how to reduce vulnerabilities to and from HHPDs as part of its own goals or with other long-term strategies?	Click or tap here to enter text.	Choose an item.
HHPD3-b. Does the plan link proposed actions to reducing long-term vulnerabilities that are consistent with its goals?	Click or tap here to enter text.	Choose an item.
HHPD4-a. Did the plan include actions that address HHPDs and prioritize mitigation actions to reduce vulnerabilities from HHPDs?		
HHPD4-a. Does the plan describe specific actions to address HHPDs?	Click or tap here to enter text.	Choose an item.
HHPD4-b. Does the plan describe the criteria used to prioritize actions related to HHPDs?	Click or tap here to enter text.	Choose an item.
HHPD4-c. Does the plan identify the position, office, department or agency responsible for implementing and administering the action to mitigate hazards to or from HHPDs?	Click or tap here to enter text.	Choose an item.
HHPD Required Revisions		
Required Revision: Click or tap here to enter text.		

Element H: Additional State Requirements (Optional)

Element H Requirements	Location in Plan (section and/or page number)	Met / Not Met
This space is for the State to include additional requirements.		
Click or tap here to enter text.	Click or tap here to enter text.	Choose an item.

Plan Assessment

These comments can be used to help guide your annual/regularly scheduled updates and the next plan update.

Element A. Planning Process

Strengths

- The Hazard Mitigation Committee included participants from all sectors in Concord. Such a diverse team can lead to a more comprehensive understanding of the community's capabilities and needs. They can also identify creative mitigation actions to address risks and vulnerabilities.
- Holding all meetings publicly and virtually is a great way to make the planning process more transparent.

Opportunities for Improvement

- Future plan updates and planning processes may benefit from greater involvement of nontraditional partners and underserved communities. This may include expanding outreach to rec centers, libraries, fairs and other places or events that draw people in. It may also help to hold meetings outside of the normal working hours. Work with current partners, like schools and NGOs, to reach new partners and communities where they are.
- Include a complete list of stakeholders invited to take part in the plan update. This would support the narratives on stakeholder invitation and participation. Concord could also consult the list when it is time to complete the next planning process.
- Describe how each stage of public input was incorporated into the plan. It is clear there was extensive participation by the residents of Concord. However, the plan does not explain how the results of the public survey influenced the plan's content.

Element B. Risk Assessment

Strengths

- For each hazard, the plan identifies specific locations at risk. Appendix A also identifies the primary hazard vulnerabilities of each critical/essential infrastructure facility. This detailed information is very helpful when tracking hazard risk and planning mitigation actions to reduce vulnerability.
- Tracking photographs of hazards and mitigation activities can support the creation of future communication materials.
- The problem statements in Section 5 are very succinct vulnerability statements. They are well-structured to support the development of mitigation actions.

Opportunities for Improvement

- Section 5 considers how Concord might apply HAZUS analysis to a risk/vulnerability assessment or loss estimation. HAZUS is a valuable resource and can improve future plan updates by incorporating modeled scenario hazard events and their impacts on the city.

Element C. Mitigation Strategy

Strengths

- The “Great Mitigation Projects... and the Realities of Project Implementation in New Hampshire” box is a helpful reminder of the city’s capabilities and potential obstacles to carrying out mitigation actions. It may help to set expectations. Future plan updates may consider building on this section to identify successful strategies or case studies for overcoming these challenges.
- Figure 30, laying out STAPLEE scoring for mitigation actions, improves process transparency. It may also make the prioritization process more replicable in future updates.
- The capability assessment for Concord is thorough and includes great supplemental information for each capability of the city. The assessment also identifies how each capability of the jurisdiction can be improved on going forward.
- Concord shows a clear grasp on the difference between projects that will mitigate future hazard impacts and projects that will improve the city’s preparedness and response capability to hazard events. It is a best practice to focus the hazard mitigation plan on mitigation and to move all other emergency management actions into other relevant plans, such as the city’s Emergency Operations Plan.

Opportunities for Improvement

- \$0 is an optimistic cost estimate for mitigation actions. Projects may encounter unanticipated expenditures; even in-kind staff time is likely funded through city budgets. Defining a *low* cost range, such as “under \$1,000,” could help capture and plan for any variability.
- Overall, the plan identifies several specific funding sources for mitigation actions. Many of these sources are local. This suggests that Concord is focusing on actions that are within its local capabilities. The city might consider exploring other state and federal grant programs to supplement funding for larger projects. This could include the Building Resilient Infrastructure and Communities grant or the Community Development Block Grant Disaster Recovery fund. Resilience projects or projects with co-benefits beyond hazard mitigation may be particularly good candidates for these programs.

Element D. Plan Maintenance

Strengths

- Planning for multiple meetings of the Hazard Planning Committee each year can help to keep the plan current and make sure all updates are captured.
- The worksheets and other supporting documentation in Appendix B will help form the agenda and reduce the administrative load of those meetings. They will also make it easy to track information over time.

Opportunities for Improvement

- Consider developing a more rigorous process to evaluate the plan and project outcomes. The committee may revisit complete projects some number of years later to evaluate their continued performance. For projects that are ongoing, the committee may identify metrics to periodically

evaluate performance. These measures can help the committee to continuously improve project effectiveness.

- Be sure to update the year on page two of the template resolution prior to finalizing the adoption. Currently, the adoption year reads as 2017.
- Discuss the previous plan's monitoring, evaluating and update efforts. Were they successful? Explain how the plan update's maintenance strategy reflects the accomplishments, or was revised due to obstacles, of the last plan's processes.

Element E. Plan Update

Strengths

- The section describing *Concord's Hazard Vulnerability Changes Since the 2017 Plan* very clearly connects various changes to high-level vulnerability statements. This analysis supports the committee in identifying vulnerability trends and effective mitigation strategies and actions.
- Priorities in the plan recognize current conditions. They reflect the planning process, risk assessment, and mitigation strategy.

Opportunities for Improvement

- In future plans, Concord can integrate detailed climate information with information on demographic, economic, development and other trends to project how vulnerability may change in the future. This evidence may help the city look forward to proactively reduce risk and vulnerability.
- Adding lessons learned about carrying out mitigation actions would strengthen the plan. A short narrative on some "success stories" would also strengthen the plan.

Element G. HHPD Requirements (Optional)

Strengths

- [insert comments]

Opportunities for Improvement

- [insert comments]

Element H. Additional State Requirements (Optional)

Strengths

- [insert comments]

Opportunities for Improvement

- [insert comments]

E Photographic History of Hazard Events

The **2017 Hazard Mitigation Plan** collected a multitude of historical photos of disasters, weather events and local hazard events from years past, some of which were carried forward from the original **2007 Plan** and the first update, the **2012 Plan**. Concord’s photographic history should be a memorable record of the tumultuous history the City has had with natural disasters. When disasters were declared, their number designations are provided (*DR-xxxx* or *EM-xxxx*). This **2024 Plan** continued to collect photographs of disasters, severe weather and other events.

Photographs of Concord Disasters and Hazard Events

Decades	Declared Disasters or Emergencies
1890s	
	1895 April: Contoocook River Flood
	1895 April: Merrimack River Flood
1920s	
	1920 November: Fire at White’s Opera House
	1922: Spring Flood
	1927 November: Merrimack River Flood (3 Entries)
1930s	
	1936 March: Damaged Railroad Tracks
	1936 March: Merrimack River Flood (3 Entries)
	1936: Bridge Street Flood
	1938: Hurricane
	Circa 1930-1940: Rumford Press Fire
1960s	
	Circa 1960: Merrimack River Flood (2 Entries)
1970s	
	No photos yet provided for this decade.

APPENDIX E PHOTOGRAPHIC HISTORY OF HAZARD EVENTS

Decades	Declared Disasters or Emergencies
1980s	
No photos yet provided for this decade.	
1990s	
No photos yet provided for this decade.	
2000s	
Circa 2003: Windstorm and Tree Damage	
2003: Hoit Road Culvert Pipe Collapse	
2005: Lightning Strike and Tree Damage	
2005: Road Washout	
2006 May: Mother's Day Flood (8 Entries)	DR-1643
2007 April: Flooding	DR-1695
2008 January: Snow Loading	
2009 October: Friendly's Restaurant Fire	
2009 July: Langdon Street Fire	
2010s	
2010 February: Windstorm and Tree Damage	DR-1892
2011 February: Train Rollover	
2011: Hazardous Materials Training	
2013 July: Windstorm and Tree Damage	
2014 November: Thanksgiving Day Snowstorm	
2015 January: Blizzard	
2015 January: Freezing Rain and Ice Storm	
2015 April: Rattlesnake Hill Wildfire	
2015 May: Lakeview Road Wildfire	

Decades

**Declared Disasters
or Emergencies**

2015 August: I-93 Sinkhole

2015 November: Dimond Hill Erosion

2016 April: Stratham Tire Fire

2016 June: Sewalls Falls Bridge Reconstruction

2017 March: Lewis Farm Brush Fire

2020s

2020 Solar Cycle 25 Forecast:

Solar Cycle 24/25 Apr 2020-Jul 2025, NOAA Dec 2019

2020 February: Car Crash and Fire

2020 August: Tropical Storm Isaias

2020 September: Fire on Merrimack River Island

CITY TO ADD MORE PHOTOS HERE

1890s

1895 April: Contoocook River Flood



Heavy flooding in Penacook from the Contoocook River, April 1895.

*Photo courtesy of
Concord Public Library*

1895 April: Merrimack River Flood



*Photo courtesy of
Concord Public Library*

Flooding on Ferry Street from the Merrimack River, April 1895.

1920s

1920 November: White's Opera House Fire



*Photo courtesy of
Fire Department*

Fire causing complete damage to White's Opera House, November 30, 1920.

1922: Spring Flood



*Photo courtesy of
Concord Public
Library*

Heavy spring flooding near Rumford Press, 1922.

1927 November: Merrimack River Flood



*Photo courtesy of
Concord Public
Library*

Flooding at East Concord Bridge from Merrimack River, November 1927.

1927 November: Merrimack River Flood



*Photo courtesy of
Concord Public
Library*

Flooding from Merrimack River, November 1927.

1927 November: Merrimack River Flood



*Photo courtesy of
Concord Public
Library*

Flooding from Merrimack River, November 1927.

1930s

1936 March: Railroad Track Damage



*Photo courtesy of
"Raging Rivers" by the
WPA*

Railroad track damage at B&M Railroad Track south of Sewalls Falls, March 1936.

1936 March: Merrimack River Flood



*Photo courtesy of
"Raging Rivers" by the
WPA*

Flooding from the Merrimack River impacting the Hooksett Bridge, March 1936.

1936 March: Merrimack River Flood



*Photo courtesy of
Concord Public Library*

Flooding from the Merrimack River on Water Street, March 1936.

1936 March: Merrimack River Flood



*Photo courtesy of
Concord Public Library*

View of Merrimack River Flood from the Rumford Press Building, March 19, 1936.

1936: Bridge Street Flooding



*Photo courtesy of NH
Historical Society*

Heavy flooding on Bridge Street, 1936.

1938: Hurricane



*Photo courtesy of
Concord Public Library*

Hurricane Damage at Rollins Park, 1938.

1938: Hurricane



*Photo courtesy of NH
Historical Society*

Trees downed on Main Street from Hurricane, 1938.

Circa 1930-1940: Rumford Press Fire



*Photo courtesy of
Concord Public Library*

Fire Damage to Rumford Press, Circa 1930-1940.

1960s

Circa 1960: Merrimack River Flood



*Photo courtesy of
Concord Public Library*

Flooding along I-93 South from the Merrimack River, Circa 1960.

Circa 1960: Merrimack River Flood
2006 Hazard Mitigation Plan Cover



*Photo courtesy of
Concord Public Library*

Flooding at NH Highway Hotel on Fort Eddy Road from the Merrimack River, Circa 1960.

Circa 1960: Merrimack River Flood



Flooding at Green Acres Manufactured Housing Park from the Merrimack River, Circa 1960.

*Photo courtesy of
Concord Public Library*

1970s

No photos yet provided for this decade.

1980s

No photos yet provided for this decade.

1990s

No photos yet provided for this decade.

2000s

Circa 2003: Windstorm and Tree Damage



*Photo courtesy of
Concord General
Services*

Windblown trees on Cemetery Street, Circa 2003.

2003: Hoit Road Culvert Pipe Collapse



*Photo courtesy of
Concord General
Services*



Culvert pipe collapse causing a sinkhole on Hoit Road, 2003.

2005: Lightning Strike and Tree Damage



*Photo courtesy of
Concord General
Services*

Tree struck by lightning causing damage and blocking Oak Hill Road, 2005.

2005: Road Washout



*Photo courtesy of
Concord General
Services*



Road washout on West Sugarball Road, 2005.

City of Concord, NH Hazard Mitigation Plan Update 2024

APPENDIX E PHOTOGRAPHIC HISTORY OF HAZARD EVENTS

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

North State Street washout, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

St. Paul's School Flooding, May 16, 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

St. Paul's School Flooding, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

Flooding on Iron Works Road, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

Flooding at Mill Place West Apartments, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

Flooding at Movie Gallery, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

Aftermath and damage of flooding on Fishersville Road, May 2006.

2006 May: Mother's Day Flood (DR-1610)



*Photo courtesy of
Fire Department*

Aftermath and damage of flooding at St. Paul's School, May 2006.

2007 April: Flooding



*Photo courtesy of
Fire Department*

Aftermath and damage of flooding on Iron Works Road, April 2007.

2008 January: Snow Loading



*Photo courtesy of
Fire Department*

Building collapse due to snow loading on Elm Street, January 2008.

2009 October: Friendly's Restaurant Fire



*Photo courtesy of
Fire Department*

Fire of Friendly's Restaurant on Loudon Road, October 3, 2009.

2009 July: Langdon Street Fire



*Photo courtesy of
Fire Department*

Building fire on Langdon Street, July 15, 2009.

2010s

2010 February: Windstorm and Tree Damage

2012 Hazard Mitigation Plan Cover



*Photos courtesy of
Fire Department*



Downed Trees and Powerlines on Elm Street and Bog Road east of River Road, February 2010.

2011 February: Train Rollover



*Photo courtesy of
Fire Department*

Train rollover on railroad tracks near Grappone Conference Center, February 2011.

2011: Hazardous Materials Training



*Photo courtesy of
Fire Department*

Training for response and handling of hazardous materials, 2011.

2013 July: Windstorm and Tree Damage



*Photo courtesy of
Concord Patch*

Severe straight line winds causing tree damage and blowdown, July 2013.

2014 November: Thanksgiving Day Snowstorm



*Photo courtesy of
Concord Monitor*

Thanksgiving Day snowstorm and tree damage on Auburn Street, November 27, 2014.

2015 January: Blizzard



*Photo courtesy of
Concord Monitor*

Blizzard conditions on Main Street downtown Concord, January 2015.

2015 January: Freezing Rain and Ice Storm



*Photo courtesy of
Concord Monitor*

Following a blizzard, freezing rain causes icy conditions on Commercial Street, January 2015.

2015 April: Rattlesnake Hill Wildfire

2017 Hazard Mitigation Plan Cover



*Photos courtesy of
Concord Monitor*

Wildfire burning on Rattlesnake Hill, April 2015.

2015 May: Lakeview Road Wildfire



*Photo courtesy of
Concord Monitor*



Wildfire burning on Lakeview Road and emergency response staging area, May 2015.

2015 August: I-93 Sinkhole



*Photo courtesy of
Concord Monitor*

Large sinkhole on Interstate 93 at Exit 13, August 2015.

2015 November: Dimond Hill Erosion



Heavy rain erosion and drought at Dimond Hill Farm, November 2015.

*Photo courtesy of
Concord Monitor*

2016 April: Stratham Tire Fire



*Photo courtesy of
Concord Patch*

Large Stratham Tire fire on Manchester Street, April 2016.

2016 June: Sewalls Falls Bridge Reconstruction



*Photo courtesy of
Concord Monitor*

Reconstruction of Sewalls Falls Bridge over Merrimack River, June 2016.

2017 March: Lewis Farm Brush Fire



*Photo courtesy of
Concord Patch*

Large brush fire at Lewis Farm, March 2017.

2017 October: Windstorm and Tree Damage

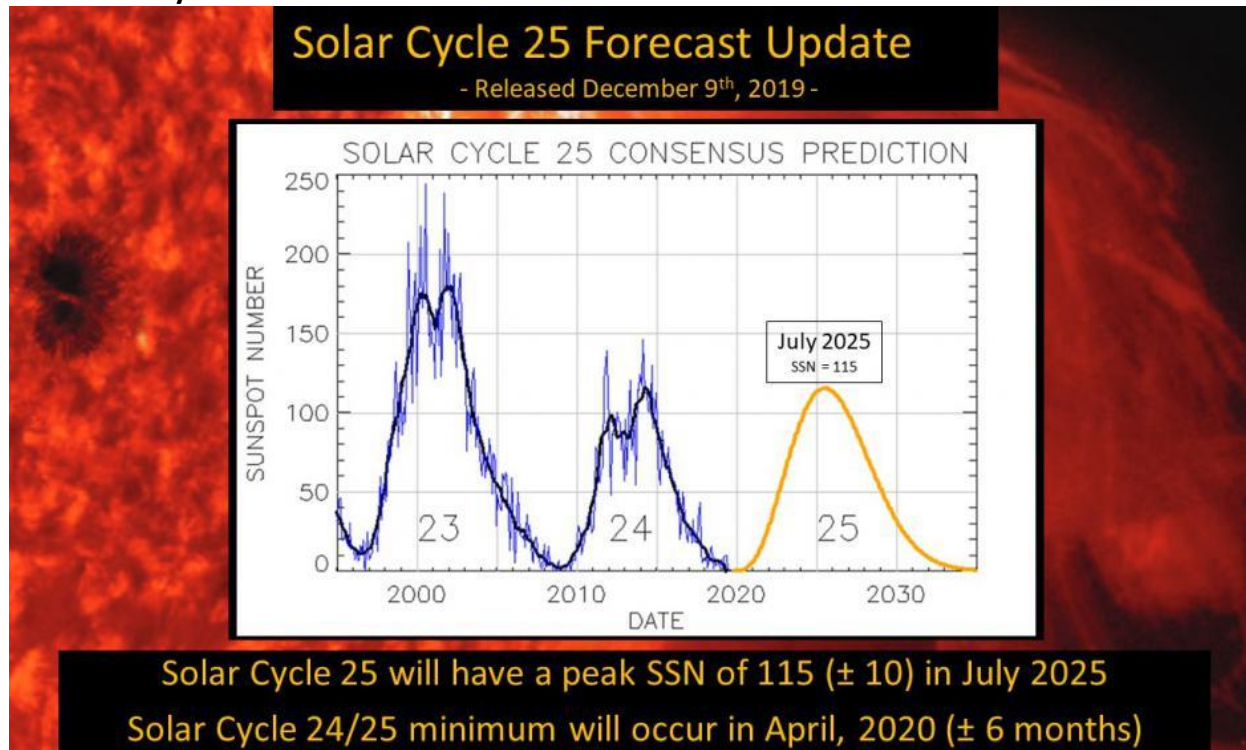


Heavy wind and rainstorm causing tree and powerline damage and road blockage, October 30, 2017.

*Photo courtesy of
Concord Hazard
Mitigation Committee*

2020s

2020 Solar Cycle 25 Forecast



Solar Cycle 24/25 Apr 2020-Jul 2025, NOAA Dec 2019, <https://www.swpc.noaa.gov/news/solar-cycle-25-forecast-update>

*Graphic accessed via NOAA
by CNHRPC, September 2021*



2022 Mount Kearsarge Communications Tower Array

*Photo by N Alexander, July
2022*

2020 February: Car Crash and Fire



*Photo courtesy of
Concord Patch*



Tree damage on Green Street caused by Tropical Storm Isaias, August 4, 2020

2020 August: Tropical Storm Isaias



*Photo courtesy of
Concord Monitor*

Tree damage on Green Street caused by Tropical Storm Isaias, August 4, 2020

2020 September 23: Fire on Island in Merrimack River



Fire on uninhabited island off Hall Street section of Merrimack River

*Photo from
Concord
Patch online*

CITY TO ADD MORE PHOTOS HERE:

Date: Hazard, Disaster or Weather Event

Description of location and/or impact

Photo Source:

F Hazard Mitigation and Severe Weather Community Survey Results

Concord Community Survey for Hazard Mitigation and Severe Weather Events

The HMC attempted to obtain broad public input on hazard mitigation and severe weather events using an online community survey posted on Survey Monkey. The survey was opened in **May 2022** and remained open through the **December 21, 2022** PIM. Every person on the City's public email distribution list received notification of the survey, the City website prominently published its link, as did Department social media. A total of **89** responses was received from the community at large. Following the HIRA hazard list, the survey asked respondents seven questions:

➤➤ **Q1 I'm answering this survey from the perspective of (choose which best fits you):**

Most respondents (68%) lived in Concord while 22% worked or went to school in Concord. Six percent (6%) responded on behalf of an organization while nearly 5% answered as a commuter traveling through Concord.

➤➤ **Q2 Which road(s) or areas are you most concerned about in Concord when severe weather or other hazard events occur? Check all that apply.**

Respondents were concerned about many roads and areas in town. Most frequently, respondents noted I-93 Exit 15, Loudon Road (Bridge St. to Hazen Drive), Fort Eddy Road, I-93 Exit 14, US 3/Fisherville Road, and Penacook Area Roads. Many residents also noted I-93 Exits 1-4, I-93 Exit 13, I-93 Exit 16, Loudon Road (Hazen Drive to East Side Drive), Loudon Road (East Side Drive to Loudon town line), and Main Street (Downtown). Additionally, Clinton Street/NH 13, I-89, US 4/202/Pleasant Street, Main Street North and South Ends, I-93 Ext 12, US 3/Manchester Street, NH 132/Mountain Road/East Side Drive, Rural West-Northwest Area Roads, and Rural Northeast Area Roads were all also noted by 10 or more respondents each.

➤➤ **Q3 How concerned are you about the following natural hazards, severe weather events, or human/technological hazards impacting Concord? (On a 1 [Not Concerned at all] to 5 Extremely Concerned scale).**

Respondents were most concerned (Extremely Concerned 5 and Very Concerned 4) about Aging Infrastructure (75%), Public Health (55%), Severe Winter Weather (62%), Long Term Utility Outage (51%), Cyber Events (49%) and High Wind Events (48%). Aging Infrastructure was most frequently rated (35%) in the Extremely Concerned category.

➤➤ **Q4 Natural hazards can have a significant impact on a community but planning for or mitigating these events can help lessen the impacts. Planning may require City funds as well as federal funds in addition to City staff support and volunteer support. Please**

APPENDIX F HAZARD MITIGATION & SEVERE WEATHER COMMUNITY SURVEY RESULTS

indicate how important you believe these mitigation planning priorities are for Concord:
(on a 1-5 Importance scale).

Respondents felt the City's mitigation planning priorities (Extremely Important 5 and Very Important 4) were to Strengthen Emergency Services (98%) followed closely by Protecting and Reducing Damage to Utilities (86%). Respondents also heavily prioritized Protecting City Facilities and Operations (79%), Protecting Public Facilities and Operations (78%), and Promoting Cooperation and Shared Education (73%). Strengthen Emergency Services was most frequently rated (54%) in the Extremely Important category.

- **Q5 & Q6** Can you describe any hazard events or severe weather events you experienced in Concord? For Event 1: If yes, please provide brief comments on up to 2 events by describing what happened (What), the location (Where), the approximate month and year of the occurrence (When), and how bad the event was from 1 [Not Bad] to 100 [Extremely Bad] impact scale.

Forty five (45) out of 89 respondents answered this question. Respondents frequently recalled flooding, winter storms, high winds, ice storms, trees down with the related power/utility outages during these times. The locations of these impacts were felt all over the City. Mentioned multiple times were West Concord/West End, Concord Heights, and Downtown. Varying time frames were cited for these memorable hazard events. On average, the hazards were rated about a 45 out of a 100 (Extremely Bad) scale.

- **Q7 & Q8** Can you describe any hazard events or severe weather events you experienced in Concord? For Event 2: If yes, please provide brief comments on up to 2 events by describing what happened (What), the location (Where), the approximate month and year of the occurrence (When), and how bad the event was from 1 [Not Bad] to 100 [Extremely Bad] impact scale.

Twenty (20) respondents answered this question for Event 2. Respondents frequently recalled flooding, winter storms, high winds, ice storms, trees down with the related power/utility outages during these times. The locations of these impacts were felt all over the City. Mentioned multiple times were West Concord, East Concord, and Downtown. Varying time frames were cited for these memorable hazard events. On average, the hazards were rated about a 37 out of a 100 (Extremely Bad) scale.

- **Q9** In your household/business/agency/organization, has anyone completed any of the following preparedness or mitigation activities? Check all that apply.

Regarding mitigation and preparedness, respondents most frequently chose that they had talked about what to do in case of severe weather emergency or natural disaster (54%), as well as removed hazardous trees at their location (47%), prepared a family emergency plan (43%), made a 72-hour emergency kit with necessary supplies (43%), and attended disaster training,

APPENDIX F HAZARD MITIGATION & SEVERE WEATHER COMMUNITY SURVEY RESULTS

workshops, or webinars (39%). The lowest activity was floodproofing or elevating structures (5%).

- »» **Q10** What are the best ways for you to receive information about disasters and severe weather events in Concord? Please check your top 4:

Respondents preferred Local Television WMUR9 (60%), CodeRed/NH Alerts/Cellular Emergency Message Service (53%), Internet News Media (48%), and City Notify Me Email Alerts (44%), followed by City Department Facebook and Twitter (36%) as the best ways to receive information about disasters and severe weather events in the city. The least preferred way to receive information was Local Gatherings (1%) and View Notices in Public Buildings (1%).

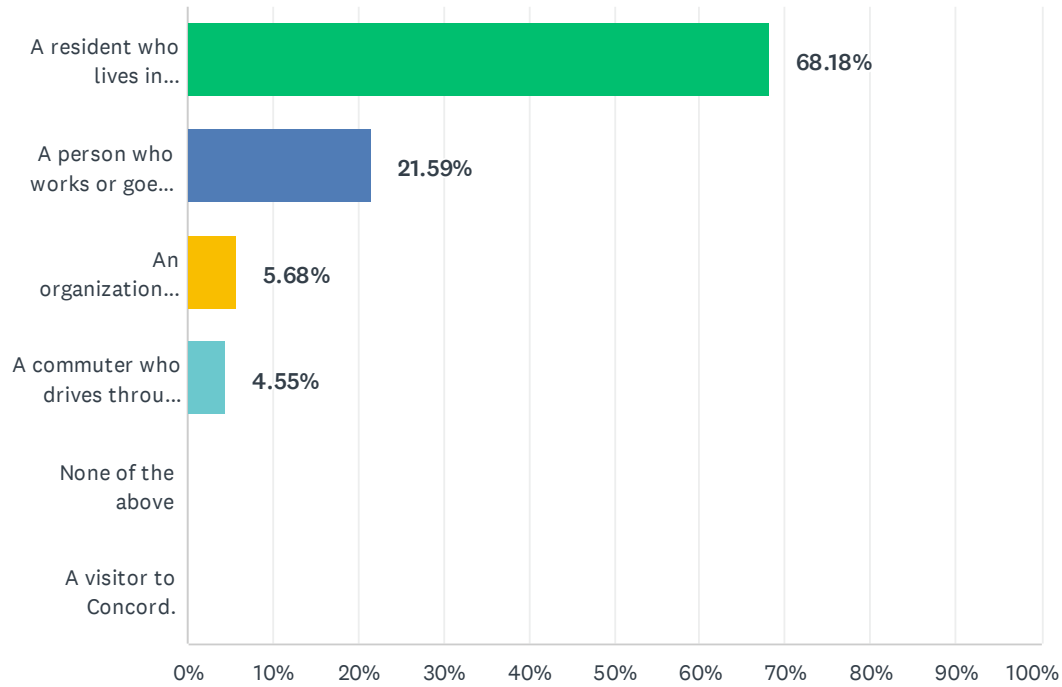
- »» **Q11** Please feel free to provide any other information related to severe weather and hazard mitigation in in the space below.

Nearly two dozen respondents added comments with a wide range of concerns. There were multiple references to concerns about City infrastructure, trees and the damage they can cause during a severe weather event, and the need for better and more widespread notification of events and planning, and suggestions to include toxic pollution, climate change, cyber defense and nuclear war.

The summary of survey responses is provided in **APPENDIX F**.

Q1 I'm answering this survey from the perspective of (choose which best fits you):

Answered: 88 Skipped: 1

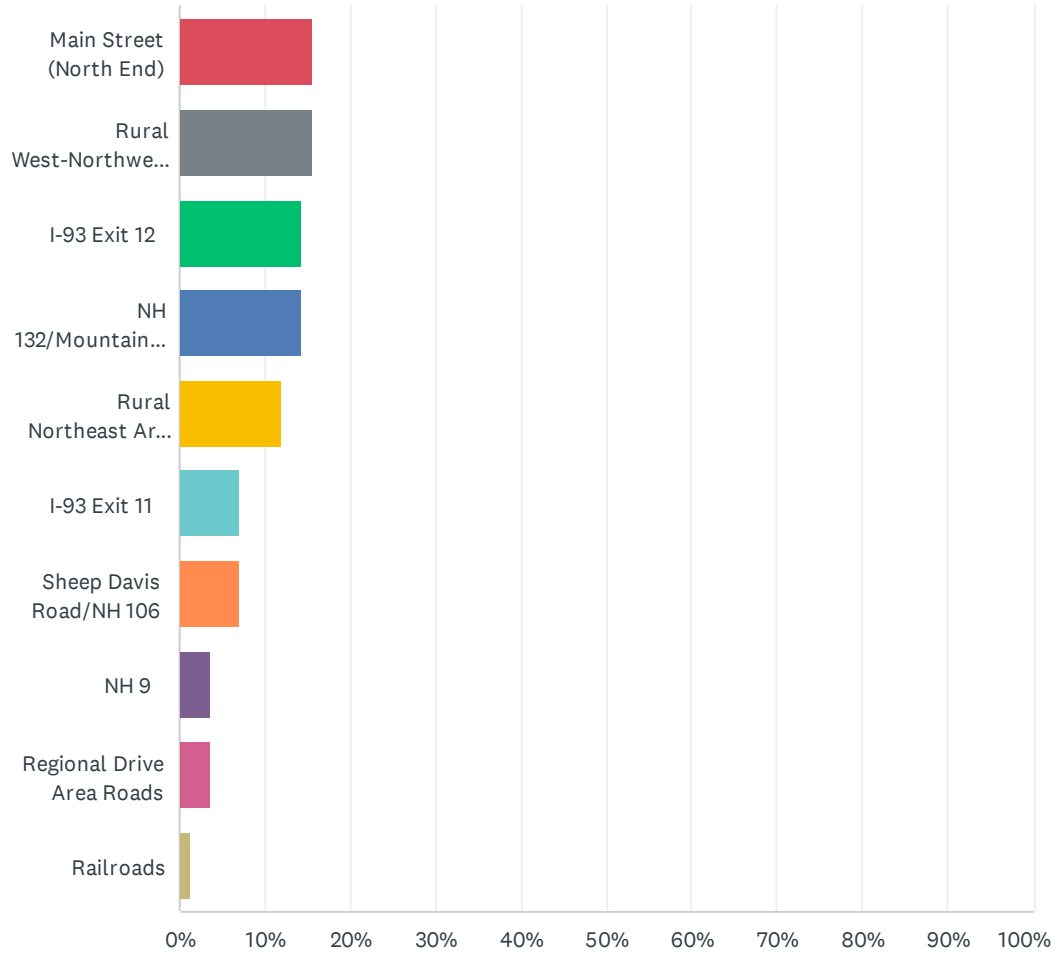


ANSWER CHOICES	RESPONSES	
A resident who lives in Concord.	68.18%	60
A person who works or goes to school in Concord.	21.59%	19
An organization, agency, or business in Concord.	5.68%	5
A commuter who drives through Concord.	4.55%	4
None of the above	0.00%	0
A visitor to Concord.	0.00%	0
TOTAL		88

Q2 Which road(s) or areas are you most concerned about in Concord when severe weather or other hazard events occur? Check all that apply.

Answered: 84 Skipped: 2





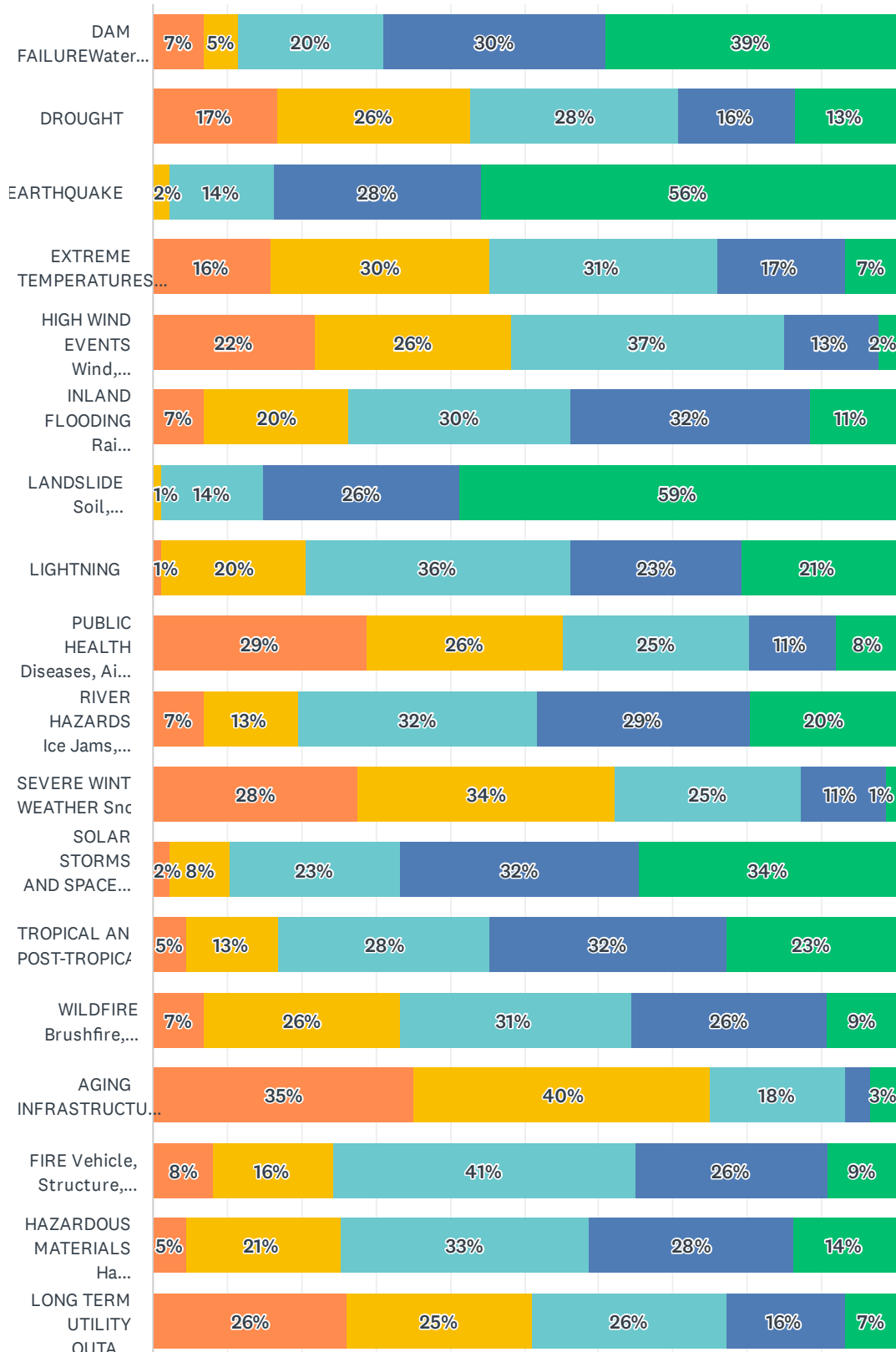
ANSWER CHOICES	RESPONSES
I-93 Exit 15	30.95% 26
Loudon Road (Bridge St. to Hazen Dr.)	29.76% 25
Fort Eddy Road	26.19% 22
I-93 Exit 14	25.00% 21
US 3/Fisherville Road	23.81% 20
Penacook Area Roads	22.62% 19
I-393 Exits 1-4	21.43% 18
Loudon Road (Hazen Dr. to East Side Dr.)	20.24% 17
Main Street (Downtown)	20.24% 17
I-93 Exit 13	19.05% 16
I-93 Exit 16	19.05% 16
Loudon Road (East Side Dr. to Loudon Town Line)	19.05% 16
Clinton Street/NH 13	17.86% 15
Other (please identify which Road/Street or area)	17.86% 15
Main Street (South End)	16.67% 14
I-89	15.48% 13
US 3/Manchester Street	15.48% 13
US 4/202/Pleasant Street	15.48% 13
Main Street (North End)	15.48% 13
Rural West-Northwest Area Roads	15.48% 13
I-93 Exit 12	14.29% 12
NH 132/Mountain Rd/East Side Drive	14.29% 12
Rural Northeast Area Roads	11.90% 10
I-93 Exit 11	7.14% 6
Sheep Davis Road/NH 106	7.14% 6
NH 9	3.57% 3
Regional Drive Area Roads	3.57% 3
Railroads	1.19% 1
Total Respondents: 84	

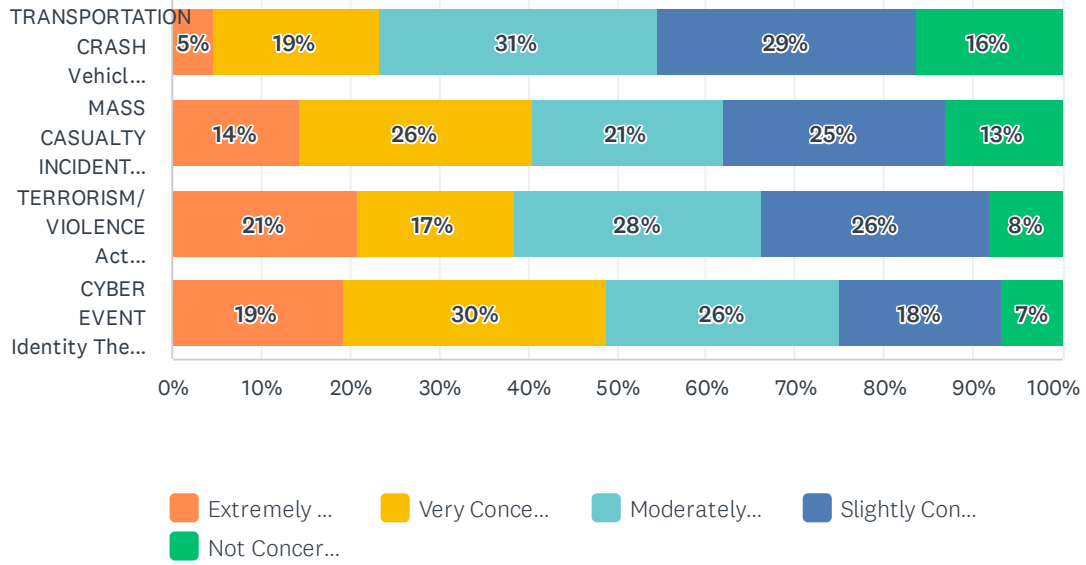
#	OTHER (PLEASE IDENTIFY WHICH ROAD/STREET OR AREA)	DATE
1	I 93 Exit 17	6/14/2022 11:02 AM
2	North State St.	5/26/2022 2:14 PM

3	Why would people be concerned about a road? It's the idiots on them that are the problem.	5/24/2022 9:17 AM
4	all	5/22/2022 8:35 PM
5	W Parish Road/Carter Hill area	5/22/2022 7:22 AM
6	South St, Green St	5/20/2022 8:37 AM
7	All of the above	5/18/2022 5:53 PM
8	Storrs st fills with water at heavy rain	5/17/2022 7:14 PM
9	State Street	5/17/2022 9:40 AM
10	Pleasant St by SPS...it's washing out	5/17/2022 7:16 AM
11	South St	5/17/2022 6:09 AM
12	carter hill and roads in that area.	5/16/2022 5:02 PM
13	where schools and the hospital is	5/13/2022 2:06 PM
14	Portsmouth St	5/13/2022 10:46 AM
15	Franklin St	5/13/2022 6:34 AM

Q3 How concerned are you about the following natural hazards, severe weather events, or human/technological hazards impacting Concord?

Answered: 89 Skipped: 0





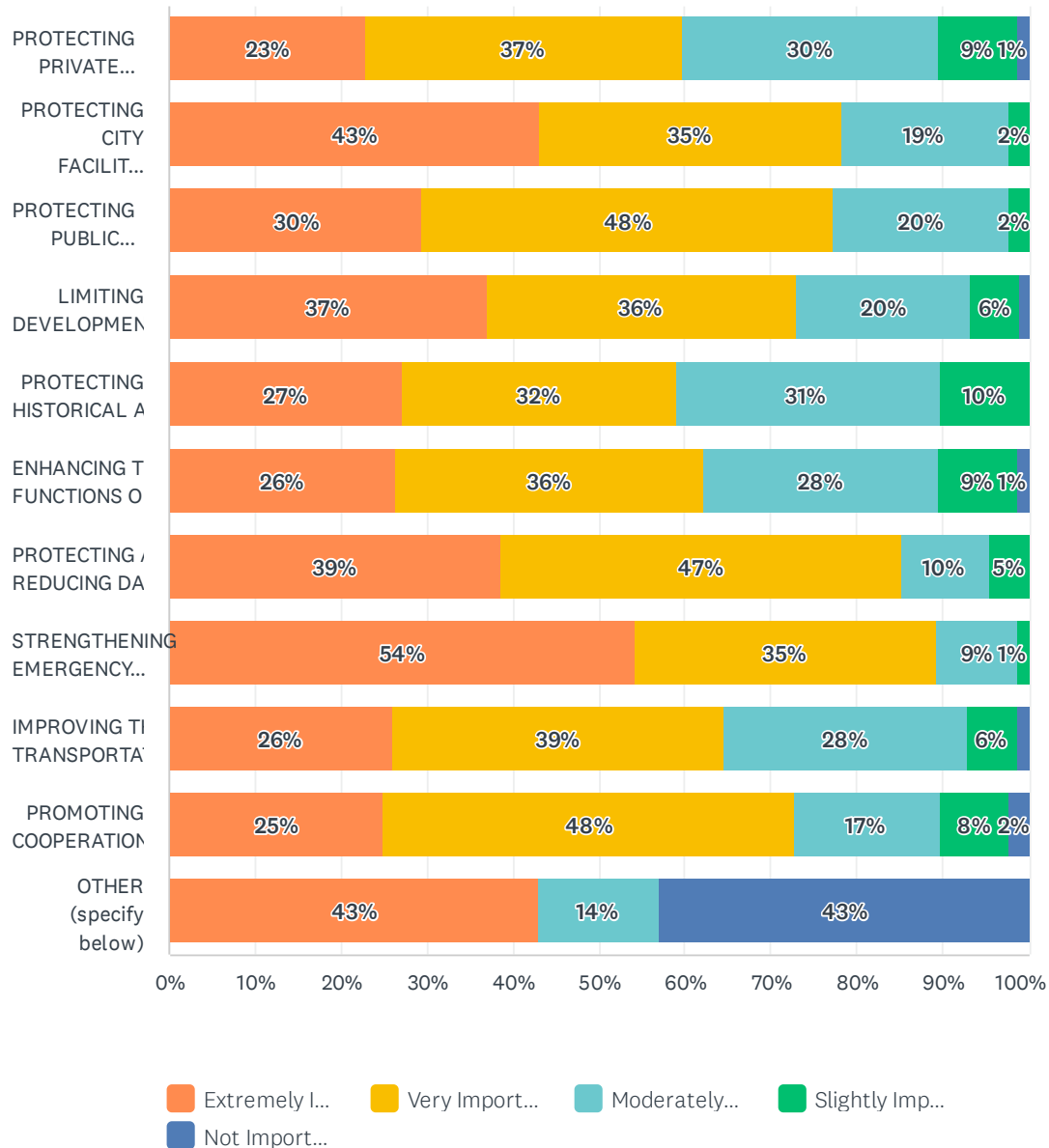
	EXTREMELY CONCERNED	VERY CONCERNED	MODERATELY CONCERNED	SLIGHTLY CONCERNED	NOT CONCERNED AT ALL	TOTAL	WEIGHTED AVERAGE
DAM FAILURE Water Overtop, Breach, Beaver	7% 6	5% 4	20% 17	30% 26	39% 34	87	
DROUGHT	17% 15	26% 23	28% 25	16% 14	13% 12	89	
EARTHQUAKE	0% 0	2% 2	14% 12	28% 24	56% 48	86	
EXTREME TEMPERATURES Excessive Heat or Cold	16% 14	30% 26	31% 27	17% 15	7% 6	88	
HIGH WIND EVENTS Wind, Thunderstorms, Hail, Downbursts	22% 19	26% 23	37% 32	13% 11	2% 2	87	
INLAND FLOODING Rains, Snow Melt, Flash Floods	7% 6	20% 17	30% 26	32% 28	11% 10	87	
LANDSLIDE Soil, Rockslide, Excavation Areas	0% 0	1% 1	14% 12	26% 23	59% 51	87	
LIGHTNING	1% 1	20% 17	36% 31	23% 20	21% 18	87	
PUBLIC HEALTH Diseases, Air & Water Quality, Biological	29% 25	26% 23	25% 22	11% 10	8% 7	87	
RIVER HAZARDS Ice Jams, Scouring, Erosion	7% 6	13% 11	32% 28	29% 25	20% 17	87	
SEVERE WINTER WEATHER Snow, Ice, Blizzard, Tree Fall	28% 24	34% 30	25% 22	11% 10	1% 1	87	
SOLAR STORMS AND SPACE WEATHER Solar Winds, Geomagnetic Storms, Solar Radiation, Radio Blackout	2% 2	8% 7	23% 20	32% 28	34% 30	87	
TROPICAL AND POST- TROPICAL CYCLONES Hurricanes, Tropical Storms, Tree Debris	5% 4	13% 11	28% 25	32% 28	23% 20	88	
WILDFIRE Brushfire, Outdoor Fires, Accidental	7% 6	26% 23	31% 27	26% 23	9% 8	87	
AGING INFRASTRUCTURE Bridges, Culverts, Roads, Pipes, Underground Lines, Frost Heaves	35% 31	40% 35	18% 16	3% 3	3% 3	88	
FIRE Vehicle, Structure, Arson	8% 7	16% 14	41% 35	26% 22	9% 8	86	
HAZARDOUS MATERIALS Haz Mat Spills, Trucking	5% 4	21% 18	33% 29	28% 24	14% 12	87	
LONG TERM UTILITY OUTAGE Power, Water,	26% 23	25% 22	26% 23	16% 14	7% 6	88	

Sewer, Gas, Internet, Cell,
more

TRANSPORTATION CRASH Vehicle, Air/Helicopter, Rail, Interstate, Bicycle	5% 4	19% 16	31% 27	29% 25	16% 14	86
MASS CASUALTY INCIDENT Emergency response capacity is exceeded	14% 12	26% 22	21% 18	25% 21	13% 11	84
TERRORISM/ VIOLENCE Active Shooter, Hostage, Public Harm, Civil Unrest, Sabotage, Vandalism	21% 18	17% 15	28% 24	26% 22	8% 7	86
CYBER EVENT Identity Theft & Scams, Phishing, Ransomware, Virus	19% 17	30% 26	26% 23	18% 16	7% 6	88

Q4 Natural hazards can have a significant impact on a community but planning for or mitigating these events can help lessen the impacts. Planning may require City funds as well as federal funds in addition to City staff support and volunteer support. Please indicate how important you believe these mitigation planning priorities are for Concord:

Answered: 89 Skipped: 0



	EXTREMELY IMPORTANT	VERY IMPORTANT	MODERATELY IMPORTANT	SLIGHTLY IMPORTANT	NOT IMPORTANT AT ALL	TOTAL	WEIGHTED AVERAGE
PROTECTING PRIVATE PROPERTY.	23% 20	37% 32	30% 26	9% 8	1% 1	87	3.7
PROTECTING CITY FACILITIES AND OPERATIONS.	43% 38	35% 31	19% 17	2% 2	0% 0	88	4.1
PROTECTING PUBLIC FACILITIES AND OPERATIONS. Non-City (public Schools, Merrimack County, State or Federal buildings)	30% 26	48% 42	20% 18	2% 2	0% 0	88	4.0
LIMITING DEVELOPMENT IN HAZARD AREAS.	37% 33	36% 32	20% 18	6% 5	1% 1	89	4.0
PROTECTING HISTORICAL AND CULTURAL LANDMARKS.	27% 24	32% 28	31% 27	10% 9	0% 0	88	3.7
ENHANCING THE FUNCTIONS OF NATURAL FEATURES like rivers, wetlands, gravel roads, and conservation lands.	26% 23	36% 31	28% 24	9% 8	1% 1	87	3.7
PROTECTING AND REDUCING DAMAGE TO UTILITIES.	39% 34	47% 41	10% 9	5% 4	0% 0	88	4.1
STRENGTHENING EMERGENCY SERVICES.	54% 46	35% 30	9% 8	1% 1	0% 0	85	4.4
IMPROVING THE TRANSPORTATION NETWORK.	26% 22	39% 33	28% 24	6% 5	1% 1	85	3.8
PROMOTING COOPERATION AND SHARED EDUCATION among community stakeholders.	25% 22	48% 42	17% 15	8% 7	2% 2	88	3.8
OTHER (specify below)	43% 3	0% 0	14% 1	0% 0	43% 3	7	3.0

#	OTHER (PLEASE SPECIFY YOUR MITIGATION PLANNING PRIORITY)	DATE
1	In regards to hazard mitigation and maintaining historical architecture/features. For example the stone bridge/wall on Palm St. in concord that had a partial collapse and in response was completely removed and now it quite frankly an eye sore. I'm not sure if the stone bridge/wall	5/26/2022 2:14 PM

was historical but it created a unique element to the roadway that could also be seen from Route 3. My fear going forward is function over maintaining historical context. There must be a way to repair and mitigate hazards while keeping these details.

2	I would like the City to create ordinances that require climate resiliency planning for any redevelopment. We should be looking at reducing parking requirements to reduce impervious area.	5/24/2022 12:08 PM
3	Emergency facilities identified for extended power-out situations so those without heat can shelter. Especially helpful for seniors.	5/20/2022 12:49 PM
4	Climate change will have a significant amplification effect on many natural hazards: intense rainfall, historically abnormal storms, extreme heat, rapid mid-winter thaws. Mitigating these hazards necessarily requires us to lessen the future severity of climate change. This means Concord must do more to reduce carbon emissions. The Municipal government can do this primarily by reducing and greening its energy usage, and by gradually but inexorably improving building codes and city planning.	5/15/2022 11:49 PM
5	restricting development in nature areas.	5/13/2022 2:06 PM
6	Extremely important: Supporting community climate resiliency by promoting residential and municipal rooftop solar power, roof runoff cisterns for watering gardens, greater use of native plants for landscaping, replacement of grass lawns with clover and other plants favored by pollinators, etc.	5/12/2022 5:27 PM

Q5 Can you describe any hazard events or severe weather events you experienced in Concord? If yes, please provide brief comments on up to 2 events: For Event 1, describe what happened (What), note the location of the event- road, site, etc. (Where), the estimated date of the event (When), and (How) you were impacted.

winter streets days storm winds power Flooding trees
Ice storm power outage
area Pleasant St Street North St Road Concord Main West Concord
2019 years ago Winter several May day 2021 march 2022 April
Lost drive trees vehicle Road heat power accidents
home days damage

Q5 Can you describe any hazard events or severe weather events you experienced in Concord? If yes, please provide brief comments on up to 2 events: For Event 1, describe what happened (What), note the location of the event- road, site, etc. (Where), the estimated date of the event (When), and (How) you were impacted.

Answered: 45 Skipped: 44

ANSWER CHOICES	RESPONSES
Event 1: How were you impacted?	95.56% 43
Event 1: What event happened?	100.00% 45
Event 1: When (estimated Month/Year)?	97.78% 44
Event 1: Where in Concord?	100.00% 45

#	EVENT 1: HOW WERE YOU IMPACTED?	DATE
1	Limited access around campus	7/21/2022 8:42 AM
2	Had to leave home to find appropriate shelter, had to find means to protect home from damage,	7/20/2022 3:39 PM
3	Provided shelter for children from the affected building	6/24/2022 11:48 PM
4	Either unable to drive out at all, or had to take circuitous routes, and lack of power for several days	6/14/2022 11:02 AM
5	Could not leave house	6/14/2022 9:06 AM
6	Fear from neighboring trees to our home and their integrity	5/26/2022 2:14 PM
7	Lost power 3 days	5/24/2022 8:05 PM
8	Can't drive home	5/24/2022 7:08 PM
9	Road pavement was washed away, had to avoid hazards.	5/24/2022 11:33 AM
10	Afraid to go out, afraid to drive	5/24/2022 10:24 AM
11	Emergency Responder (retired from CFD)	5/23/2022 3:29 PM
12	Had to remain working at the Hospital as we were on high alert	5/22/2022 7:22 AM
13	Power out - no heat - for 4 days	5/20/2022 12:49 PM
14	Vehicles were crashing all over the city due to icy road conditions.	5/19/2022 2:55 PM
15	Working in the weather	5/18/2022 5:53 PM
16	Frequent accidents, responses	5/18/2022 2:18 PM
17	I had to take the accident report for the vehicle struck by tree	5/18/2022 10:48 AM
18	needed to replace several tires	5/18/2022 5:30 AM
19	It affected which home we chose to buy	5/17/2022 7:14 PM
20	Roads were horrible, unprepared.	5/17/2022 3:52 PM
21	damage to vehicle	5/17/2022 9:40 AM
22	large number of accidents and vehicles could not operate on the roads safely	5/17/2022 8:52 AM

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23	Could not leave house	5/17/2022 7:34 AM
24	Road Closures and flooded cellar	5/17/2022 7:16 AM
25	my ability to commute that road.	5/17/2022 6:09 AM
26	roads were impassable in emergency	5/16/2022 7:29 PM
27	Stuck in cold weather due to lack of plowing	5/16/2022 7:15 PM
28	Traffic. City does a terrible job publicizing these things.	5/16/2022 5:42 PM
29	no power for places for up to a week	5/16/2022 5:02 PM
30	An electricity outage, which means I cannot heat my home. Power was restored within a few hours, but the uncertain duration made me seriously think how vulnerable we are.	5/15/2022 11:49 PM
31	None	5/14/2022 5:52 PM
32	Had to replace shed	5/13/2022 3:40 PM
33	I had two small children and was pregnant. No heat and no ability to heat the bottles. Lost all of our food. My kids and I moved in with my parents in MA for a week.	5/13/2022 2:06 PM
34	Trees knocked down, property damage to house	5/13/2022 1:43 PM
35	LOst personnel items had mold	5/13/2022 10:46 AM
36	Extrm Hvy Traffic, Multiple accidents	5/13/2022 3:58 AM
37	Power was out for several days on several occasions	5/13/2022 12:42 AM
38	Isolation, Health care access, could not visit no-covid inpatient loved ones.	5/12/2022 6:56 PM
39	Entire fence blown down, pieces of porch and roof torn off, debris flying into parked cars	5/12/2022 6:14 PM
40	Multiple tall white pine trees toppled in back yard	5/12/2022 5:49 PM
41	Significant damage to trees and landscaping; decreased visibility in even light snow	5/12/2022 5:27 PM
42	Could not get to my house.	5/12/2022 5:19 PM
43	Lost power for four days	5/12/2022 4:31 PM
#	EVENT 1: WHAT EVENT HAPPENED?	DATE
1	Flooding	7/21/2022 8:42 AM
2	7+ day power outage during severe winter storm	7/20/2022 3:39 PM
3	Apartment building fire	6/24/2022 11:48 PM
4	Power outages & closed roads due to downed trees	6/14/2022 11:02 AM
5	Elm street closure bc of flossing	6/14/2022 9:06 AM
6	High winds and thunderstorms - fear of tree damage to property	5/26/2022 2:14 PM
7	Ice storm	5/24/2022 8:05 PM
8	Flooding	5/24/2022 7:08 PM
9	Flash flooding	5/24/2022 11:33 AM
10	Ice	5/24/2022 10:24 AM
11	Flooding	5/23/2022 3:29 PM
12	Hurricane	5/22/2022 7:22 AM
13	power outage	5/20/2022 12:49 PM
14	Icy Roads	5/19/2022 2:55 PM
15	Tornado touched down in Chichester	5/18/2022 5:53 PM

Concord Hazard Mitigation and Severe Weather Event Survey

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16	Wind storms, traffic lights city wide went out for hours	5/18/2022 2:18 PM
17	tree fell in roadway	5/18/2022 10:48 AM
18	potholes	5/18/2022 5:30 AM
19	Heavy rain flooded streets and basements.	5/17/2022 7:14 PM
20	Ice Storms	5/17/2022 3:52 PM
21	bad frost heaves	5/17/2022 9:40 AM
22	Flash Freeze	5/17/2022 8:52 AM
23	Flood	5/17/2022 7:34 AM
24	Flooding	5/17/2022 7:16 AM
25	Flooding	5/17/2022 6:09 AM
26	hurricane remnants 2012 flooding city streets	5/16/2022 7:29 PM
27	Blizzard	5/16/2022 7:15 PM
28	Car crash	5/16/2022 5:42 PM
29	Ice Storm	5/16/2022 5:02 PM
30	A mild ice storm	5/15/2022 11:49 PM
31	Power outages due to winter weather	5/15/2022 11:30 PM
32	None	5/14/2022 5:52 PM
33	Winter wind blew shed down	5/13/2022 3:40 PM
34	lost power for 9 days	5/13/2022 2:06 PM
35	Microburst wind gust	5/13/2022 1:43 PM
36	Basement flooded/ trees fell	5/13/2022 10:46 AM
37	Mother's Day Flood	5/13/2022 5:32 AM
38	MVA	5/13/2022 3:58 AM
39	Ice storm / power outages	5/13/2022 12:42 AM
40	Winter ice storm - multiple days without power	5/12/2022 6:56 PM
41	Extreme Wind	5/12/2022 6:14 PM
42	Patriots Day Storm 2007	5/12/2022 5:49 PM
43	Increasing frequency of high, gusting winds	5/12/2022 5:27 PM
44	Tree took down power lines	5/12/2022 5:19 PM
45	Snowstorm	5/12/2022 4:31 PM
#	EVENT 1: WHEN (ESTIMATED MONTH/YEAR)?	DATE
1	April 2019	7/21/2022 8:42 AM
2	believe it was January or February 20??	7/20/2022 3:39 PM
3	early 1990s	6/24/2022 11:48 PM
4	6 times since we moved here in 2003	6/14/2022 11:02 AM
5	Mother's Day flood	6/14/2022 9:06 AM
6	May 2022	5/26/2022 2:14 PM
7	Jan, 2007?	5/24/2022 8:05 PM

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8	frequently	5/24/2022 7:08 PM
9	Spring 2019	5/24/2022 11:33 AM
10	01/22	5/24/2022 10:24 AM
11	Various	5/23/2022 3:29 PM
12	1985	5/22/2022 7:22 AM
13	November several years ago	5/20/2022 12:49 PM
14	2021 - December 25th	5/19/2022 2:55 PM
15	4 to 5 years ago, I do not remember the date	5/18/2022 5:53 PM
16	05/2022	5/18/2022 2:18 PM
17	march/april	5/18/2022 10:48 AM
18	march 2022	5/18/2022 5:30 AM
19	Several times	5/17/2022 7:14 PM
20	Winter 2021/2022	5/17/2022 3:52 PM
21	2021	5/17/2022 9:40 AM
22	December 2021	5/17/2022 8:52 AM
23	5/2006	5/17/2022 7:34 AM
24	May 2009	5/17/2022 7:16 AM
25	almost every summer during a major storm	5/17/2022 6:09 AM
26	2012	5/16/2022 7:29 PM
27	January 2021	5/16/2022 7:15 PM
28	Anytime	5/16/2022 5:42 PM
29	12/2008?	5/16/2022 5:02 PM
30	Winter, several years ago	5/15/2022 11:49 PM
31	None	5/14/2022 5:52 PM
32	March 2019	5/13/2022 3:40 PM
33	2013?	5/13/2022 2:06 PM
34	June 2008	5/13/2022 1:43 PM
35	May Mothers day ? Year	5/13/2022 10:46 AM
36	May 2014?	5/13/2022 5:32 AM
37	Bike Week & Race Weekends	5/13/2022 3:58 AM
38	Happens quite frequently now, thanksgiving 2018 was the most recent multiple day outage I believe	5/13/2022 12:42 AM
39	Pandemic	5/12/2022 6:56 PM
40	Increasing every winter/spring	5/12/2022 6:14 PM
41	April 2007	5/12/2022 5:49 PM
42	primarily Winter; past two years	5/12/2022 5:27 PM
43	2018	5/12/2022 5:19 PM
44	November/Thanksgiving 2014	5/12/2022 4:31 PM
#	EVENT 1: WHERE IN CONCORD?	DATE

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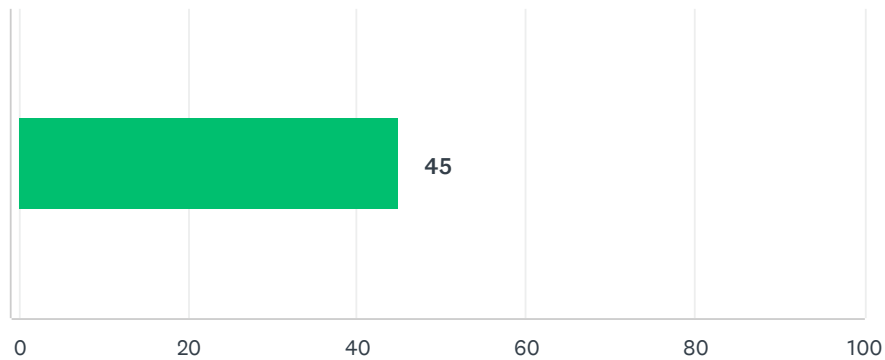
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1	NHTI campus	7/21/2022 8:42 AM
2	Spillway Lane	7/20/2022 3:39 PM
3	Royal Gardens	6/24/2022 11:48 PM
4	Elm Street, Weir Road	6/14/2022 11:02 AM
5	Elm st	6/14/2022 9:06 AM
6	West Concord	5/26/2022 2:14 PM
7	West Concord	5/24/2022 8:05 PM
8	near Long Pond	5/24/2022 7:08 PM
9	End of I-393 at North Main Street	5/24/2022 11:33 AM
10	All Over	5/24/2022 10:24 AM
11	Many places, most expected place was behind buildings on Federal St and flooding just easy of the high school	5/23/2022 3:29 PM
12	New Concord Hospital	5/22/2022 7:22 AM
13	West End	5/20/2022 12:49 PM
14	City Wide	5/19/2022 2:55 PM
15	In Chichester	5/18/2022 5:53 PM
16	Manchester St, S Main St, Pleasant St, Loudon Rd	5/18/2022 2:18 PM
17	north east/ west concord	5/18/2022 10:48 AM
18	clinton st @ s fruit st	5/18/2022 5:30 AM
19	Mostly in the downtown areas	5/17/2022 7:14 PM
20	All of NH and Concord	5/17/2022 3:52 PM
21	Bog Rd	5/17/2022 9:40 AM
22	All roads in Concord	5/17/2022 8:52 AM
23	Hall St Concord NH	5/17/2022 7:34 AM
24	West Concord/Pleasant St.	5/17/2022 7:16 AM
25	Storrs Street	5/17/2022 6:09 AM
26	pleasant st/ main st area	5/16/2022 7:29 PM
27	Gully Hill (Loudon Rd)	5/16/2022 7:15 PM
28	Anywhere	5/16/2022 5:42 PM
29	City Wide	5/16/2022 5:02 PM
30	At my home in the south end	5/15/2022 11:49 PM
31	North State Street area	5/15/2022 11:30 PM
32	None	5/14/2022 5:52 PM
33	Guay St Concord Heights	5/13/2022 3:40 PM
34	near the high school	5/13/2022 2:06 PM
35	Heights	5/13/2022 1:43 PM
36	Portsmouth St	5/13/2022 10:46 AM
37	Along river, Merrill Park Pond	5/13/2022 5:32 AM
38	Rt 93 NB x12	5/13/2022 3:58 AM

39	South end but it was everywhere	5/13/2022 12:42 AM
40	Pembroke Road area	5/12/2022 6:56 PM
41	Rumford/Washington Street	5/12/2022 6:14 PM
42	East Side off Portsmouth Street	5/12/2022 5:49 PM
43	Bainbridge Drive	5/12/2022 5:27 PM
44	Lake View Drive	5/12/2022 5:19 PM
45	Everywhere	5/12/2022 4:31 PM

Q6 How bad would you rate Event 1 on a scale of 0 to 100?

Answered: 48 Skipped: 41



ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
	45	2,152	48
Total Respondents: 48			

#		DATE
1	13	7/21/2022 8:42 AM
2	75	7/20/2022 3:39 PM
3	11	6/24/2022 11:48 PM
4	37	6/14/2022 11:02 AM
5	18	6/14/2022 9:06 AM
6	3	6/7/2022 1:08 PM
7	42	5/26/2022 2:14 PM
8	43	5/24/2022 8:05 PM
9	40	5/24/2022 7:08 PM
10	58	5/24/2022 11:33 AM
11	57	5/24/2022 10:24 AM
12	43	5/23/2022 3:29 PM
13	50	5/22/2022 7:22 AM
14	81	5/20/2022 12:49 PM
15	56	5/20/2022 3:53 AM
16	75	5/19/2022 2:55 PM
17	50	5/18/2022 5:53 PM
18	81	5/18/2022 2:18 PM
19	8	5/18/2022 10:48 AM
20	50	5/18/2022 5:30 AM

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21	39	5/17/2022 7:14 PM
22	50	5/17/2022 3:52 PM
23	3	5/17/2022 2:18 PM
24	12	5/17/2022 9:40 AM
25	83	5/17/2022 8:52 AM
26	52	5/17/2022 7:34 AM
27	72	5/17/2022 7:16 AM
28	38	5/17/2022 6:09 AM
29	80	5/16/2022 7:29 PM
30	39	5/16/2022 7:15 PM
31	26	5/16/2022 5:42 PM
32	49	5/16/2022 5:02 PM
33	23	5/15/2022 11:49 PM
34	29	5/15/2022 11:30 PM
35	0	5/14/2022 5:52 PM
36	38	5/13/2022 3:40 PM
37	50	5/13/2022 2:06 PM
38	28	5/13/2022 1:43 PM
39	73	5/13/2022 10:46 AM
40	39	5/13/2022 5:32 AM
41	69	5/13/2022 3:58 AM
42	49	5/13/2022 12:42 AM
43	51	5/12/2022 6:56 PM
44	51	5/12/2022 6:14 PM
45	75	5/12/2022 5:49 PM
46	55	5/12/2022 5:27 PM
47	26	5/12/2022 5:19 PM
48	62	5/12/2022 4:31 PM

Q7 Can you describe any hazard events or severe weather events you experienced in Concord? If yes, please provide brief comments on up to 2 events: For Event 2, describe what happened (What), note the location of the event- road, site, etc. (Where), the estimated date of the event (When), and (How) you were impacted.

Ice storm

year

West Concord Street

home Lost power road Broadway St ice

Q7 Can you describe any hazard events or severe weather events you experienced in Concord? If yes, please provide brief comments on up to 2 events: For Event 2, describe what happened (What), note the location of the event- road, site, etc. (Where), the estimated date of the event (When), and (How) you were impacted.

Answered: 20 Skipped: 69

ANSWER CHOICES	RESPONSES
Event 2: What event happened?	100.00% 20
Event 2: Where in Concord?	95.00% 19
Event 2: When (estimated Month/Year)?	90.00% 18
Event 2: How were you impacted?	95.00% 19

#	EVENT 2: WHAT EVENT HAPPENED?	DATE
1	Heavy rains	7/21/2022 8:42 AM
2	power outage and fallen trees on roads and home driveway	7/20/2022 3:39 PM
3	Mothers Day storm 2008	6/14/2022 1:13 PM
4	Snow	6/7/2022 1:08 PM
5	Ice covered roads	5/26/2022 2:14 PM
6	Heavy wet snow storm	5/24/2022 8:05 PM
7	Ice storm	5/24/2022 7:08 PM
8	Thunder & Lightning storms went through area	5/22/2022 7:22 AM
9	n/a	5/18/2022 10:48 AM
10	flooding	5/17/2022 9:40 AM
11	na	5/16/2022 7:29 PM
12	none	5/16/2022 5:02 PM
13	Automobile accident	5/15/2022 11:49 PM
14	None	5/14/2022 5:52 PM
15	Na	5/13/2022 1:43 PM
16	No Electricity for several days	5/13/2022 10:46 AM
17	Ice storm	5/13/2022 5:32 AM
18	Trees fell down in a bad thunderstorm	5/13/2022 12:42 AM
19	Same as question 5 and 6	5/12/2022 6:56 PM
20	plowing blocks drainage	5/12/2022 6:14 PM
#	EVENT 2: WHERE IN CONCORD?	DATE
1	Downtown	7/21/2022 8:42 AM
2	Spillway Lane	7/20/2022 3:39 PM

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3	Pleasant Street	6/14/2022 1:13 PM
4	I 93 NB	6/7/2022 1:08 PM
5	West Concord - Lake St area	5/26/2022 2:14 PM
6	West Concord	5/24/2022 8:05 PM
7	West concord	5/24/2022 7:08 PM
8	W Parish Road/Carter Hill Area	5/22/2022 7:22 AM
9	n/a	5/18/2022 10:48 AM
10	n state near lake st	5/17/2022 9:40 AM
11	unknown	5/16/2022 5:02 PM
12	McKee Square	5/15/2022 11:49 PM
13	None	5/14/2022 5:52 PM
14	Na	5/13/2022 1:43 PM
15	Portsmouth St	5/13/2022 10:46 AM
16	Power	5/13/2022 5:32 AM
17	Off Manchester street	5/13/2022 12:42 AM
18	Same as question 5 and 6	5/12/2022 6:56 PM
19	Rumford/Washington Street	5/12/2022 6:14 PM
#	EVENT 2: WHEN (ESTIMATED MONTH/YEAR)?	DATE
1	July 2022	7/21/2022 8:42 AM
2	November 20??	7/20/2022 3:39 PM
3	May 2006	6/14/2022 1:13 PM
4	Feburary	6/7/2022 1:08 PM
5	winter 2022	5/26/2022 2:14 PM
6	Nov. 2015?	5/24/2022 8:05 PM
7	2008	5/24/2022 7:08 PM
8	July/2008	5/22/2022 7:22 AM
9	n/a	5/18/2022 10:48 AM
10	2021	5/17/2022 9:40 AM
11	unknown	5/16/2022 5:02 PM
12	Multiple times per year	5/15/2022 11:49 PM
13	None	5/14/2022 5:52 PM
14	Na	5/13/2022 1:43 PM
15	Thanksgiving ? year	5/13/2022 10:46 AM
16	2021	5/13/2022 12:42 AM
17	Same as question 5 and 6	5/12/2022 6:56 PM
18	Winter, last 6 years	5/12/2022 6:14 PM
#	EVENT 2: HOW WERE YOU IMPACTED?	DATE
1	Affected driving	7/21/2022 8:42 AM

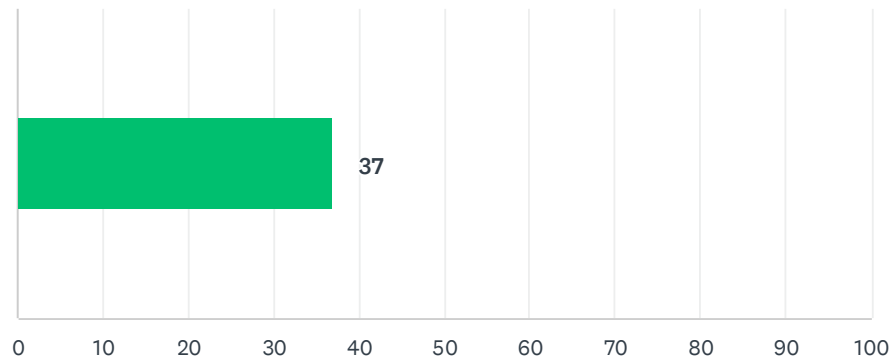
Concord Hazard Mitigation and Severe Weather Event Survey

SurveyMonkey

2	Had to find appropriate shelter and services to clear road	7/20/2022 3:39 PM
3	Circuitous route to medical facilities	6/14/2022 1:13 PM
4	Lack of responders to the highway for accidents	6/7/2022 1:08 PM
5	roads were not properly salted/sanded so the hill going down Lake St. to North State St. was sheer ice, I slid through the stop sign and thankfully there was no oncoming traffic.	5/26/2022 2:14 PM
6	Lost power 4 1/2 days	5/24/2022 8:05 PM
7	No power for a week+	5/24/2022 7:08 PM
8	Tree struck home, area without utilities for a week	5/22/2022 7:22 AM
9	n/a	5/18/2022 10:48 AM
10	Roadway closed	5/17/2022 9:40 AM
11	cant think of a widespread event with significant impact	5/16/2022 5:02 PM
12	The intersection of Clinton St with South St and Broadway is heavily congested during rush hour. Sight lines can be bad, particularly for traffic exiting West St. onto Broadway. An accident there can force the ambulance and fire truck at the Broadway station to take circuitous routes.	5/15/2022 11:49 PM
13	None	5/14/2022 5:52 PM
14	Na	5/13/2022 1:43 PM
15	Cold.	5/13/2022 10:46 AM
16	Lost power at home for 4 days	5/13/2022 5:32 AM
17	Couldn't get off the road, lost power, Dad couldn't get home after work	5/13/2022 12:42 AM
18	Same as question 5 and 6	5/12/2022 6:56 PM
19	plows drive up Rumford from Washington and build dams over the storm drains, causing the sidewalk and my driveway to become ice rinks 3-5" thick with solid ice that cannot melt or drain	5/12/2022 6:14 PM

Q8 How bad would you rate Event 2 on a scale of 0 to 100?

Answered: 19 Skipped: 70

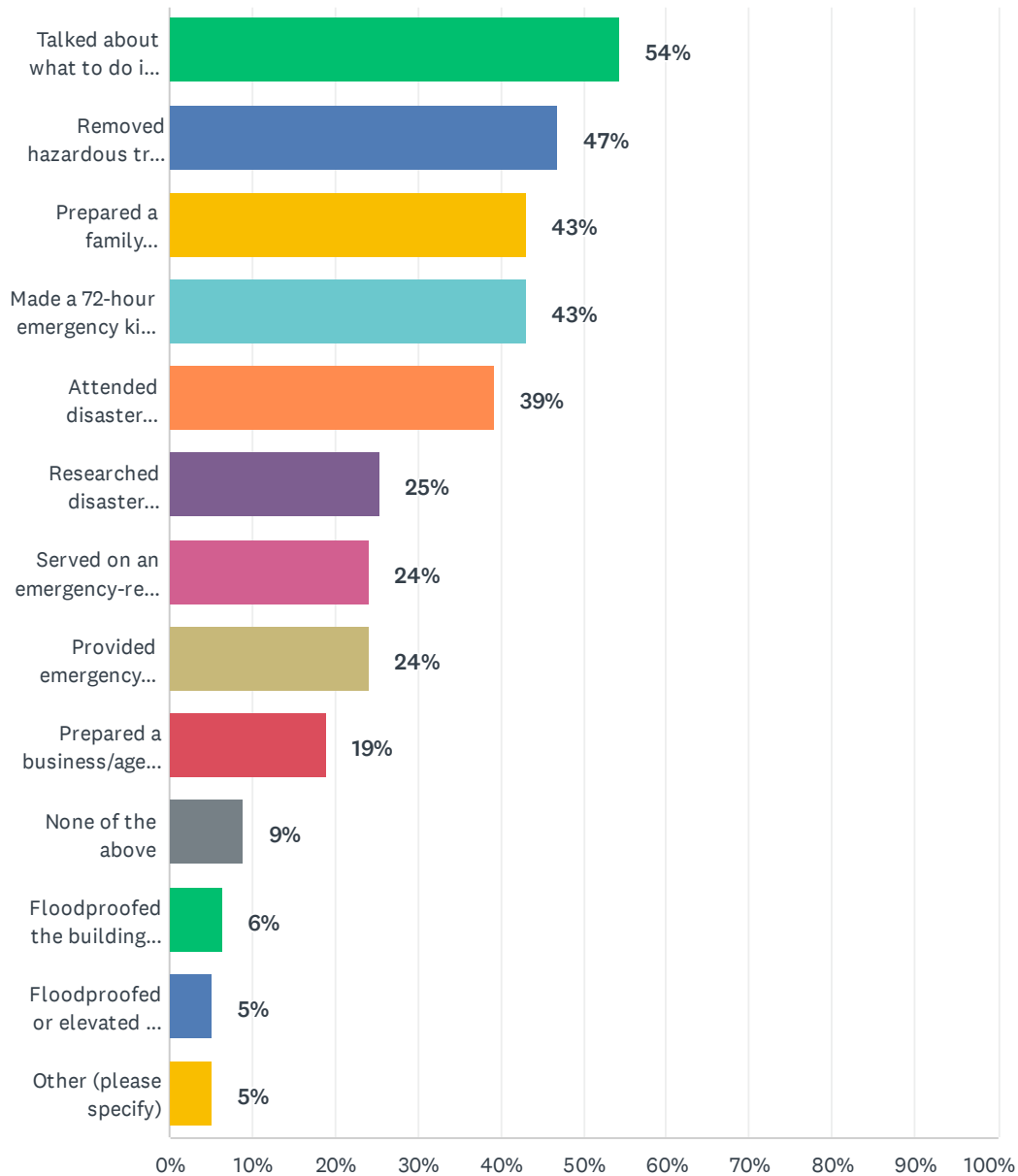


ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
	37	699	19
Total Respondents: 19			

#		DATE
1	14	7/21/2022 8:42 AM
2	67	7/20/2022 3:39 PM
3	79	6/7/2022 1:08 PM
4	49	5/26/2022 2:14 PM
5	58	5/24/2022 8:05 PM
6	84	5/24/2022 7:08 PM
7	0	5/23/2022 3:09 PM
8	49	5/22/2022 7:22 AM
9	3	5/18/2022 10:48 AM
10	8	5/17/2022 9:40 AM
11	5	5/16/2022 5:02 PM
12	32	5/15/2022 11:49 PM
13	0	5/14/2022 5:52 PM
14	8	5/13/2022 1:43 PM
15	46	5/13/2022 10:46 AM
16	56	5/13/2022 5:32 AM
17	39	5/13/2022 12:42 AM
18	51	5/12/2022 6:56 PM
19	51	5/12/2022 6:14 PM

Q9 In your household/business/agency/organization, has anyone completed any of the following emergency preparedness or mitigation activities? Check all that apply.

Answered: 79 Skipped: 10

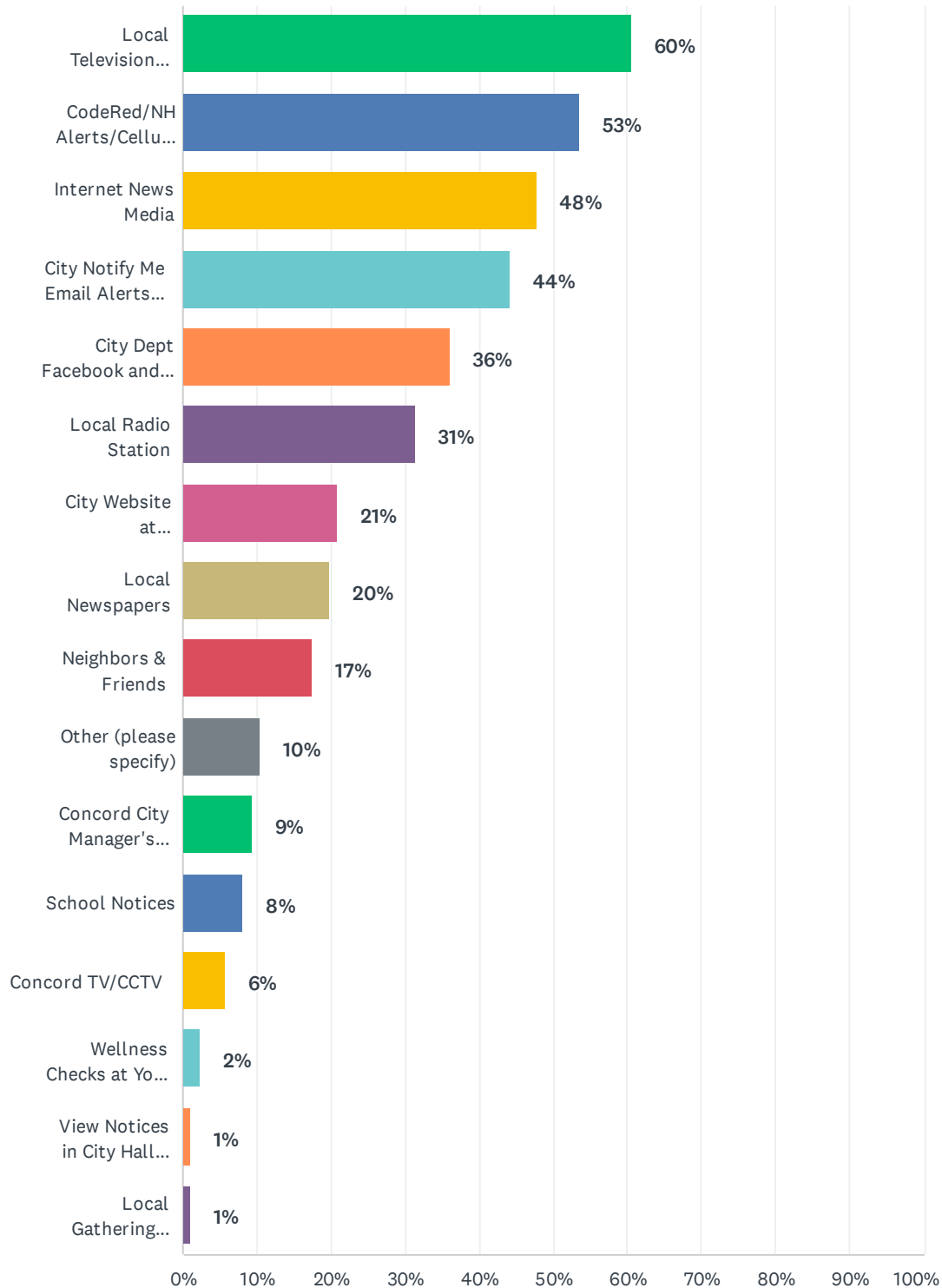


ANSWER CHOICES	RESPONSES	
Talked about what to do in case of severe weather emergency or natural disaster.	54%	43
Removed hazardous trees at your home/business/agency/organization.	47%	37
Prepared a family emergency plan.	43%	34
Made a 72-hour emergency kit with necessary supplies.	43%	34
Attended disaster trainings, workshops, or webinars.	39%	31
Researched disaster information online or obtained brochures on disaster public education.	25%	20
Served on an emergency-related committee.	24%	19
Provided emergency services to others in Concord.	24%	19
Prepared a business/agency/organization emergency operations plan.	19%	15
None of the above	9%	7
Floodproofed the building's exterior (new drainage, home elevation, etc).	6%	5
Floodproofed or elevated the interior building systems (furnace, electrical equipment, boiler, etc).	5%	4
Other (please specify)	5%	4
Total Respondents: 79		

#	OTHER (PLEASE SPECIFY)	DATE
1	received valuable resources from the State of NH Dept of Safety - Homeland Security and Emergency Management	5/26/2022 2:14 PM
2	COVID vaccination	5/13/2022 3:50 PM
3	active shooter trainings in the hospital	5/13/2022 2:06 PM
4	Updated Smoke & CO Detectors	5/13/2022 3:58 AM

Q10 What are the best ways for you to receive information about disasters and severe weather events in Concord? Please check your TOP 4:

Answered: 86 Skipped: 3



ANSWER CHOICES	RESPONSES	
Local Television (WMUR 9)	60%	52
CodeRed/NH Alerts/Cellular Emergency Message Service	53%	46
Internet News Media	48%	41
City Notify Me Email Alerts (sign up at https://www.concordnh.gov/list.aspx)	44%	38
City Dept Facebook and Twitter pages	36%	31
Local Radio Station	31%	27
City Website at https://www.concordnh.gov/	21%	18
Local Newspapers	20%	17
Neighbors & Friends	17%	15
Other (please specify)	10%	9
Concord City Manager's Newsletter	9%	8
School Notices	8%	7
Concord TV/CCTV	6%	5
Wellness Checks at Your Home	2%	2
View Notices in City Hall or other Public Buildings	1%	1
Local Gathering (churches, senior center, recreation center, farmer's market, etc)	1%	1
Total Respondents: 86		

#	OTHER (PLEASE SPECIFY)	DATE
1	RE: Email notices. Your current system is useless because all your alerts require visits to the website for complete info. The entire message should be in the body of the email.	6/14/2022 9:49 AM
2	Am radio	5/24/2022 9:50 AM
3	Concord Fire Department on Facebook kj	5/23/2022 1:55 PM
4	text messages	5/19/2022 2:55 PM
5	National weather service	5/17/2022 7:14 PM
6	Nixle Alerts would be great because then it goes right to a users cell phone via text message	5/17/2022 8:52 AM
7	NHPR	5/15/2022 11:30 PM
8	NH HSEM	5/13/2022 8:55 PM
9	Rolling telephone announcement	5/13/2022 3:58 AM

Q11 Please feel free to provide any other concerns or information related to severe weather, disasters, and hazard mitigation in Concord in the space below.

information prepared **trees** emergency **city** services **need**

Q11 Please feel free to provide any other concerns or information related to severe weather, disasters, and hazard mitigation in Concord in the space below.

Answered: 16 Skipped: 73

#	RESPONSES	DATE
1	If there's a power outage, it becomes a much bigger challenge to get information, since most sources are technology-based.	6/14/2022 11:02 AM
2	The city needs to take care of trees owned by the city. There are a lot of trees that need to either be trimmed or taken down and replaced.	5/24/2022 8:47 PM
3	The amount of federal a local dollars spent on roll play and pretending is ridiculous. When an actual emergency happens (ie: Covid) we are helplessly under prepared. Enough government waste.	5/24/2022 9:17 AM
4	I'm concerned about the immigrant families who may not get important information in a way they can understand or they don't use internet resources. Also, disabled folks who would need extra help in an emergency.	5/22/2022 8:35 PM
5	Trees that hang over or near roads should continue to be removed to assist with loss of power from trees down.	5/22/2022 7:22 AM
6	Concerning that homeless camps are along the river in a flood zone (behind post office/everett arena) and may need to be rescued if flooding occurs	5/17/2022 9:40 AM
7	Nixle alerts or another platform to send Snow Bans or other information right to a subscribers cell phone	5/17/2022 8:52 AM
8	City infrastructure is aging rapidly and not prepared for a major event. Critical services are understaffed which limits effectiveness in disaster	5/16/2022 7:29 PM
9	An earlier section indicated that the mitigation planners were investigating cyber-defense against phishing and ransomware. This is an oft-overlooked risk in these times. Other towns in NH and across the US have been hit - sometimes crippling essential services for days or weeks. To think Concord couldn't be the next mark is asking for trouble.	5/15/2022 11:49 PM
10	It is important for the City to include state, higher education, K-12, hospital, utilities, and lg employers into this planning	5/15/2022 11:30 PM
11	None	5/13/2022 1:43 PM
12	I Live on Portsmouth St in Concord. Behind me is cranmore ridge. All the trees in the back of my property are falling. When it rains ther is a large river like stream of water coming from there. This is new in the past 4 or 5 years	5/13/2022 10:46 AM
13	Better Staffing for all emergency services in the city.	5/13/2022 3:58 AM
14	I know you are following a standard format for the overall risk assessment, but climate change (many of the listed hazards are linked to this) and nuclear war should be added. Civil defense? Just a faded memory.	5/12/2022 5:49 PM
15	How about a regular monthly column in the City Manager's email newsletter, highlighting a particular mitigation effort or plan?	5/12/2022 5:27 PM
16	I would like to know if any of the categories above include preparing for and remediating toxic pollution as a result of any of the hazardous events mentioned.	5/12/2022 5:19 PM