CNHRPC Hazard Mitigation Planning Program 2001-2023

1

January 12, 2023

CNHRPC Full Commission Meeting

salexander@cnhrpc.org
603-226-6021

1

What is a Hazard Mitigation Plan?

2

PURPOSE: To reduce or eliminate future losses to life, property and infrastructure from **natural disasters and severe weather events** by identifying appropriate actions to implement during the Plan's five-year lifespan.

- Disaster Mitigation Act of 2000 passed, as amended
  - States and communities must adopt a FEMA approved hazard mitigation plan **every 5 years** to qualify for eligible disaster and mitigation funding programs.
  - Community stakeholders must be engaged and encouraged to participate in this public planning process.

2

Some of the Recent Major Disasters Declarations in the Central NH Region

3

DR-4516	April 2020	COVID-19 Pandemic
DR-4355	Oct 2017	Wind & Rainstorm
DR-4105	Feb 2013	Snowstorm
DR-4095	Oct 2012	Hurricane Sandy
DR-4026	Aug 2011	Tropical Storm Irene
DR-1892	Feb 2010	Winter Storm
DR-1812	Dec 2008	Ice Storm
DR-1643	May 2006	Mother's Day Floods

Public Assistance Funds are available- $$$$

3

Hazard Mitigation Committee Work: About 1 Year+ to Update

4

- **Hazard Mitigation Committees are formed by each community.**
  - Hold about 14 meetings over a 6-7 month period.
  - Invite members of public ("Stakeholders"), publicize.
  - Revise old information, provide new data since last Plan, incorporate State and FEMA revisions to Plan process and content.
- **Updated Plans, Appendices, Maps are submitted by CNHRPC to NH HSEM for review and approval.**
  - Plan approval process can take 4-5 months.

4

5

Hazard Mitigation Plan 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

These are 300-page documents - comparable to a community Master Plan in scope and detail!

5

6

Plan Appendices

- 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 the Community**
- Appendix F – Hazard Mitigation and Severe Weather Community Survey Data

6

Community Plans Must be Updated and Approved Every 5 Years - Why?

7

- The Haz Mit Plan helps each community reduce damages from natural hazards, severe weather events, and other hazards.
  - Well-maintained Plans help better protect life, property, and infrastructure in the Central NH region.
- To remain eligible to apply for and receive FEMA mitigation funds, including the Hazard Mitigation Assistance (HMA) Program and Flood Mitigation Assistance (FMA) project grants.
- LOWERS THE COST of federal disaster aid!

7

Successes and Challenges

8

- Since the program initiated in 2001, **CNHRPC has received funding to update nearly 80 Hazard Mitigation Plans**.
- We administer the federal grant funds on behalf of the communities.
- Grant rounds overlap, grants arrive very late, and sometimes the grant rounds become difficult to navigate….
- AND federal or FEMA Region 1 regulations keep changing.

8

9

FEMA Funding Provided to Update Several CNHRPC Community Plans Annually

Building Resilient Infrastructure and Communities 2020 Funding Program

Projects in Process

Community	Federal Portion (Net Paid to CNHRPC by Population)	Local Portion (In-Kind Non-Monetary Match by Population)	Total BRIC 2020 Grant Funds
Hopkinton	$9,000	$3,000	$12,000
Canterbury	$7,500	$2,500	$10,000
Loudon	$9,000	$3,000	$12,000
Dunbarton	$7,500	$2,500	$10,000
Concord	$15,000	$5,000	$20,000
Pittsfield	$7,500	$2,500	$10,000
Totals	$55,500	$18,500	$74,000

9

10

FEMA Funding Provided to Update Several CNHRPC Community Plans Annually

Building Resilient Infrastructure and Communities 2021 Funding Program

Agreement in Process

Community	Federal Portion (Net Paid to CNHRPC by Population)	Local Portion (In-Kind Non-Monetary Match by Population)	Total BRIC 2021 Grant Funds
Epsom	$7,500	$2,500	$10,000
Bradford	$7,500	$2,500	$10,000
Bow	$9,000	$3,000	$12,000
Warner	$7,500	$2,500	$10,000
Sutton	$7,500	$2,500	$10,000
Salisbury	$7,500	$2,500	$10,000
Henniker	$9,000	$3,000	$12,000
Totals	$55,500	$18,500	$74,000

10

11

FEMA Funding Provided to Update Several CNHRPC Community Plans Annually

Hazard Mitigation Grant Program (HMGP) 2020 #4516 Funding

Agreement Soon TBD

Community	Federal Portion (Net Paid to CNHRPC by Population)	Local Portion (In-Kind Non-Monetary Match by Population)	Total HMGP 2020 Grant Funds
Boscawen	$7,500	$2,500	$10,000
Webster	$7,500	$2,500	$10,000
Totals	$15,000	$5,000	$20,000

11

12

FEMA Funding Provided to Update Several CNHRPC Community Plans Annually

Grant Programs TBD

Future Projects

Community	Federal Portion (Net Paid to CNHRPC by Population)	Local Portion (In-Kind Non-Monetary Match by Population)	Total Grant Funds
Allenstown	75%	25%	100%
Deering	75%	25%	100%
Pembroke	75%	25%	100%
Hillsborough	75%	25%	100%
Totals			

12

13

Hazard Mitigation Committee Meetings and Plan Update Tasks

HMC Meeting 1 Series Topics

- Perform **HIRA Rating of Natural Hazards** – probability in 10 years & severity of impact (EXCEL).
- Identify **Recent Past Hazards** (last 5 years) and **Potential Future Hazards** (EXCEL).
- Provide recent Dept or personal **digital photos** of severe weather or hazard events.
- Update **Critical and Community Facilities** sites in 12 tables (EXCEL).
- Obtain **Assessed Structure Value** for each facility in Critical Facilities (EXCEL).
- Update prior **Problem Statements** from Facilities tables and add New Problem Statements (EXCEL).
- Update **Map 1 Potential Hazards and Map 2 Past Hazards** (over last 5 years).

HMC Meeting 2 Series Topics

- Update the Dept/Board/Comm **Capability Assessments** with current activities (WORD).
- Finalize **Problem Statements** and develop **new Mitigation Actions** from these issues (WORD).
- Review and revise prior **Goals and Objectives** (WORD).
- Review the **Hazard Mitigation and Severe Weather Community Survey results** and incorporate where needed.

HMC Meeting 3 Series Topics

- Review the **status of prior Plan's Actions** and identify each as Completed, Deleted, or Deferred (EXCEL).
- **Town Depts to provide data:** land use acreage, building permits, buildings & building values in floodplain parcels, one-egress roads, 5-year culvert upgrades (EXCEL)
- Develop the **new Mitigation Action Plan** (include Problem Statements, Deferred Actions, discussion items) with responsibility, cost, funding, timeframe (EXCEL).
- Prioritize the new Mitigation Actions using the **Enhanced STAPLEE** method (EXCEL)

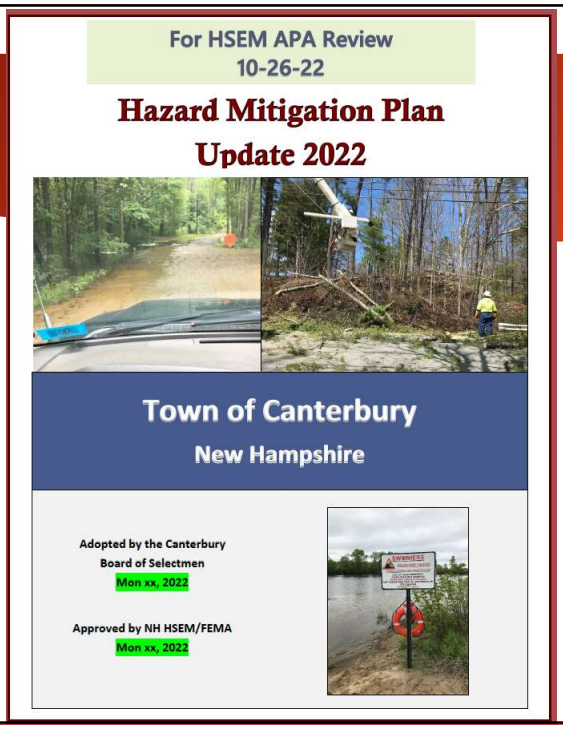
HMC Meeting 4 Series Topics

- Review **Draft Hazard Mitigation Plan** compiled for first time and identify missing information.
- Discuss the Town's **implementation responsibilities of the Plan** (Mitigation Action items especially).
- Review **Final Maps 1-4.**
- Review **Appendices.**
- Provide remaining Plan information to CNHRPC.
- Prepare for evening **Public Information Meeting** at Board of Selectmen meeting (no CNHRPC).
- Learn about the **remaining HMP process** and after APA is granted and prepare for the future Board of Selectimen adoption meeting.

13

14

Canterbury Hazard Mitigation Plan Cover



14