
Section VIII: Appendices

2014- 2019
Capitol Region Natural Hazards
Mitigation Plan Update
Appendices



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Section VIII: Appendices

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Appendix A: Planning Process and Public Participation

The following materials provide documentation of various activities conducted throughout the development of the Capitol Region Natural Hazards Mitigation Plan Update including meeting notes of the planning committee meetings, materials provided to municipalities at local meetings, public meeting advertisements and meeting notes, and survey results.

Planning Committee Meetings

A sub-committee of CREPC, ESF-5 Emergency Management (which was expanded to reach out to additional officials from all 30 municipalities for the purposes of this update) served as the planning committee for the update process and provided guidance to the project. The planning committee held three meetings during the course of the update. The first was held in July 2012 and focused on identifying hazards of concern for the region and a preliminary evaluation of local vulnerabilities and critical facilities. The second was held in February 2013 and focused on the regional mitigation strategy. The third was held in September 2013 and focused on a review of the draft plan. Invitations and notes from each meeting are provided on the following pages. A meeting in October 2013 considered the addition of new regional mitigation strategy to assist municipalities in outreach to vulnerable populations.



Please join us for a

Workshop on Natural Hazards Affecting your Community

Thursday, July 12, 2012

8:30 – 9 am – Registration

9 am – 11 am – Workshop

**West Hartford Meeting & Conference Center
(Town Hall Auditorium)
50 South Main Street, West Hartford, CT**

This will be the first meeting of the planning committee for the Capitol Region Natural Hazards Mitigation Plan Update. The Planning Committee is composed of the Capitol Region ESF-5 (emergency management) which encourages other local officials to join in this discussion of the natural hazards facing our area and the risks they present to our communities.

Please RSVP by July 10th to

Lynne Pike DiSanto at lpikedisanto@crkog.org
860-522-2217 ext. 211

or Bill Perkins at wmp Perkins@comcast.net
860-522-2217 ext.243

Walk-ins Welcome

Light refreshments will be served.

For more information: Visit CRCOG's website -
http://www.crcog.org/community_dev/current_p_fema.html



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

MEETING NOTES
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
PLANNING COMMITTEE MEETING

JULY 12, 2012

West Hartford Town Hall – Meeting & Conference Center

ATTENDANCE

James DiPace	Town of Avon	Lauren Good	Town of Windsor
Timothy Bockus	Town of East Hartford	Geoffrey Giddings	Town of Simsbury
Daniel Dube	Town of East Hartford	Mike Turner	Town of Wethersfield
Robin Newton	Town of East Windsor	Brian LaVoie	Town of West Hartford
Peter Gillespie	Town of Wethersfield	Chuck Guarino	Town of West Hartford
Donald Davis	Town of Ellington	Richard Riggs	Town of South Windsor
Jennifer Rodriguez	Town of Windsor Locks	Jeff Schambach	Town of Vernon
Matt Bordeaux	Town of Manchester	Bill Austin	CRCOG, CREPC
Donald Janelle	Town of Manchester	Maureen Barton	CRCOG
Mark Carlino	Town of Manchester	Bill Perkins	CRCOG
Craig Minor	Town of Newington	Lynne Pike DiSanto	CRCOG

INTRODUCTIONS

Mr. Perkins and Ms. Pike DiSanto introduced themselves and asked those present to introduce themselves.

PLANNING PROCESS & BACKGROUND ON HAZARDS

Mr. Perkins gave a PowerPoint presentation explaining the need for a Natural Hazard Mitigation Plan, the planning process, and the involvement of the planning committee. He described the hazards facing the region including hurricanes, flooding, tornados, winter storms, dam failure, drought, earthquakes, and forest fires.

HAZARDS EVALUATION

Mr. Perkins and Ms. Pike DiSanto led the attendees in two exercises to assess the hazards affecting the region. The first exercise was designed to identify and document the impacts natural hazards have on the communities. Ms. Pike DiSanto described the maps provided for each town showing important community facilities and asked attendees to note any necessary changes or additions. The attendees were asked to complete an Analysis of Impacts worksheet. Ms Pike DiSanto said the Analyses of Impacts and map edits would be used by the towns and CRCOG to update each municipal section of the Plan.

The second exercise was designed to identify the top three hazards that affect the region. Attendees were asked to rank each of the natural hazards considering the vulnerability of their community to the impacts of the hazards. The top three ranked hazards were flooding, hurricanes, and winter storms. Tornados were a close fourth. Ranked lower were: dam failure, drought, earthquake, and forest fires.

WRAP UP

Mr. Perkins outlined the next steps in the planning process noting that individual meetings with officials in each town would be held in the upcoming months.

Rescheduled Meeting Update

Workshop on Natural Hazards Affecting your Community

New Date: Tuesday February 19, 2013

8:30 – 9 am – Registration

9 am – 11 am – Workshop

**Manchester Regional Coordination Center
Second Floor
Public Works Facility – Field Services Division
321 Olcott Street, Manchester, CT**

This will be the second meeting of the planning committee for the Capitol Region Natural Hazards Mitigation Plan Update. The Planning Committee is composed of the Capitol Region ESF-5 (emergency management) and encourages other local officials to join in this discussion of **what we can do at a regional level to prevent or lessen the impacts of natural disasters.**

We will also have an update from a CT DEMHS representative on FEMS's new generator guidelines.

Please RSVP to

Lynne Pike DiSanto at lpikedisanto@crcog.org
860-522-2217 ext. 211

or Bill Perkins at wmp Perkins@comcast.net
860-522-2217 ext.243

Walk-ins are Welcome.

Light refreshments will be served.

For more information: Visit CRCOG's website -
http://www.crcog.org/community_dev/current_p_fema.html



**CAPITOL REGION
NATURAL HAZARD MITIGATION PLAN UPDATE**

MEETING NOTES
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
PLANNING COMMITTEE MEETING

FEBRUARY 19, 2013
Manchester Regional Coordination Center

ATTENDANCE

Michael Bisi	Town of Glastonbury	James Sollmi	Town of Rocky Hill
Dennis Milanovich	Town of Stafford	Ronald Lee	Town of Portland, CREPC
Daniel Dube	Town of East Hartford	Thomas Ronalter	City of New Britain
William Perez	Town of East Hartford	David McMahon	MDC
Peter Gillespie	Town of Wethersfield	Frank Dellaripa	MDC
Francis Armentano	Town of Granby	Gemma Fabris	DEMHS
Jennifer Rodriguez	Town of Windsor Locks	Mary Rose Duberek	DEMHS
Ryan Zannotti	Town of Manchester	Betsy Ransom	FEMA
Donald Janelle	Town of Manchester	Bill Austin	CRCOG, CREPC
Paul Goldberg	Town of Windsor	Maureen Barton	CRCOG
Charles Petrillo	Town of Windsor	Mary Ellen Kowalewski	CRCOG
Michael Boucher	Town of Farmington	Bill Perkins	CRCOG
James DiPace	Town of Avon	Lynne Pike DiSanto	CRCOG

INTRODUCTIONS

Mr. Perkins and Ms. Pike DiSanto introduced themselves and asked those present to introduce themselves.

PLANNING PROCESS UPDATE

Mr. Perkins and Ms. Pike DiSanto gave a brief overview of the process to update the current plan which was approved in 2008 and expires in the fall of 2013. Ms. Pike DiSanto stated the plan has both regional and local components. She started that CRCOG has been holding plan update meetings with each participating municipality. They are also conducting Planning Committee meetings and reporting out to other stakeholders. They have published a draft of the Introductions, Hazards Evaluation and Regional Mitigation Strategy sections of the Plan, which will be further updated to discuss the recent blizzard.

HAZARDS

Mr. Perkins stated that in July 2012, CRCOG held a planning committee meeting where they asked participating municipalities to identify the top three hazards that affect the region. The top three were flooding, hurricanes, and winter storms. Tornadoes were a close fourth. Mr. Perkins also listed the other natural hazards affected the region: dam failure, drought, earthquake, and forest fires.

HAZUS-MH

Ms. Pike DiSanto described how CRCOG is using HAZUS-MH software, a planning tool offered by FEMA, to help estimate the damage and loss from flooding, hurricane and earthquake events. She said Hazus-MH uses national databases, and the program evaluates how much damage will occur, what kinds

of buildings will be affected, how many citizens would need shelter, and assigns a dollar value to these outcomes. The software is free, and there is training available on line.

MUNICIPAL UPDATE

Mr. Perkins reported that he and Ms. Pike DiSanto have met with 19 of the 30 municipalities participating in this program. At these meetings they discuss specific issues for these communities. They have received 13 updated municipal plans thus far, and those updates will go into the regional plan.

REGIONAL MITIGATION REPORT

Mr. Perkins and Ms. Pike DiSanto reviewed the goals and objectives from the 2008 Regional Plan. There is one goal, which is to “Minimize the loss of life and property, and economic disruptions that can result from natural hazards.” CRCOG recommends keeping that goal. Ms. Pike DiSanto distributed a report on the goals and the objectives. There are four objectives and there are several strategies associated with those objectives, all of which support the goal. Ms. Pike DiSanto went through each objective and the associated strategies, offering the recommended changes and asked for input. A concern was raised that the work of the Connecticut River Bi-State Partnership might lead to development of an additional oversight committee or regulatory layer. Ms. Kowalewski and Ms. Pike DiSanto explained that this was not the purpose of the Partnership and acknowledgement of this ongoing effort in the Natural Hazard Mitigation Plan had value. A suggestion was made that the 4th objective which addresses drought and its associated strategies be dropped from the plan. Ms. Pike DiSanto responded that although we have not experienced significant droughts recently, this remains an issue for the region and recommended the objective and strategies remain in the plan but be considered lower priority. There was no consensus to remove the drought-related objective and strategies.

PRIORITIZATION OF MITIGATION STRATEGIES

Attendees received a worksheet which listed the four objectives, as well as the associated strategies with the recommended changes. Attendees were asked to review the language, make any suggestions for additional changes to the language, offer their own strategies if they feel something is missing, and then to rank each strategy as being high (“must do”), medium (“should do”), or low (“nice to do”).

FEMA UPDATE: GENERATORS

Gemma Fabris from CT DEMHS informed the group that generators are now fundable under FEMA’s Natural Hazard Mitigation grant, which is a change. She said the point of the grant is not to respond to the last hazard, but to fund sustainable action to mitigate the next hazard. She said previously, generators were considered a response, but FEMA has made this an exception. Ms. Fabris emphasized that the application process takes time – she reviews them and will help municipalities develop a solid application, and those applications go to FEMA Region 1, where it can take up to a year for approval. The best way to get readily accessible funds is through Public Assistance. Applications will require documentation for everything. Applicants should consider their critical facilities – for example, schools are not generally considered critical, but if they are also used for shelters, than they become critical. Applicants should also think about what kind of damage will occur, and not forget that they also have mutual aid agreements which can be impacted by a natural hazard. A question was asked about how competitive the grant program is. Ms. Fabris stated that they have more funds than projects right now, but the longer you wait to apply, the more competitive it will get. There is an open deadline, but she encouraged attendees to apply sooner. A question was asked about the cost of the grant. Ms. Fabris said it is a cost-share of 75%/25%. Ms. Fabris said there is information on their website; Ms. Pike DiSanto stated that CRCOG would send that link out to everyone.

REPORT OUT ON PRIORITIZATION ACTIVITY

Ms. Pike DiSanto stated that after a review of the prioritization worksheets completed by attendees, there was a consensus for certain changes. Participants suggested changing the prioritization level for a couple of the strategies, moving assisting municipalities in securing federal and state funds (2.4) and working to improve communications about water levels at dams (2.7) from medium to high, and moving the generator strategy (3.2) to a medium priority. Ms. Pike DiSanto said there were suggestions to add strategies to encourage FEMA to recognize the cumulative effect of winter storms and to encourage the state to update building codes. There was a consensus among participants to add the strategy related to FEMA recognition of the cumulative nature of snow storms as a medium priority strategy. Another suggestion was made regarding the importance of minimizing use of sanitary sewers in areas served by wells. After some discussion, it was agreed to modify the stormwater objective to also include ground water recharge. Suggestions were also made to modify strategy 2.2 to include working to update inventories of hazardous materials and to modify strategy 2.5 to also encourage municipalities to incorporate natural hazard mitigation into local plans of conservation and development.

WRAP UP

Mr. Perkins said that he and Ms. DiSanto want to meet with the remaining communities before March 30. The plan update will fall behind if this process isn't finished. They would like to start the required six sub-regional public meetings in April. After this, they will finalize the draft; have one more planning committee meeting where attendance by a CEO or CEO delegate will be required so the final draft can be accepted. The draft will then go to DEEP for review, any changes they recommend will be made, and then it will go to FEMA Region 1 for review. He said FEMA approval is needed before the fall. He said the plan update will need to be adopted regionally, which will be done by the Policy Board, and then the plan will need to be adopted by each municipality. A question was asked about the possibility of generators for gas stations. Mr. Perkins stated this was brought up by the Two Storm Panel, which recommended outreach to the business community.

Please join us to

Review the Draft Capitol Region Natural Hazards Mitigation Plan Update

Wednesday, September 18, 2013
9 am – 11 am

**Manchester Regional Coordination Center
Second Floor
Public Works Facility – Field Services Division
321 Olcott Street, Manchester, CT**

This will be the third meeting of the planning committee for the Capitol Region Natural Hazards Mitigation Plan Update. The Planning Committee is composed of the Capitol Region ESF-5 (emergency management) which encourages other local officials to join in this discussion of the natural hazards facing our area, the risks they present to our communities and what we can do at a regional level to prevent or lessen the impacts of natural disasters.

Please RSVP by September 12th to

Lynne Pike DiSanto at lpikedisanto@crcog.org
860-522-2217 ext. 211
or Bill Perkins at wmp Perkins@comcast.net
860-522-2217 ext.243

Walk-ins are Welcome.

Light refreshments will be served.

For more information: Visit CRCOG's website -
http://www.crcog.org/community_dev/current_p_fema.html



**CAPITOL REGION
NATURAL HAZARD MITIGATION
PLAN UPDATE**

MEETING NOTES OF
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
PLANNING COMMITTEE MEETING

September 18, 2013
Manchester Regional Coordination Center

ATTENDANCE

Michael Bisi	Town of Glastonbury	Jennifer Rodriguez	Town of Windsor Locks
Paul Goldberg	Town of Windsor	Adam Libros	Town of Canton
Sandy Sudduth	Town of Marlborough	Todd Dumais	Town of West Hartford
Jay Gonzalez	Town of South Windsor	Gary Allyn	Town of West Hartford
Ray Carpentino	Town of Rocky Hill	James DiPace	Town of Avon
Francis Armentano	Town of Granby	Lisa Houlihan	Town of Ellington
Joe Killen	Town of Granby	Tim Webb	Town of Ellington
James Klase	Town of Granby	Don Davis	Town of Ellington
Matt Brodeaux	Town of Manchester	Marshall Porter	Town of Farmington
Donald Janelle	Town of Manchester	Chris Schroeder	Town of Newington
Frank Prochaska	Town of Stafford	Bill Turley	North Central Health District
Richard Shuck	Town of Stafford	Mary Rose Duberek	CT DEMHS
Dennis Milanovich	Town of Stafford	Maureen Barton	CRCOG
John Lawlor	Town of Bloomfield	Bill Perkins	CRCOG
Don Moore	Town of Bloomfield	Lynne Pike DiSanto	CRCOG

Ms. Pike DiSanto introduced herself and Mr. Perkins and welcomed those attending. She said the purpose of the meeting was to review the draft Capitol Region Natural Hazards Mitigation Plan Update and to seek the planning committee's endorsement of the draft for public review and comment.

Mr. Perkins gave a PowerPoint presentation outlining the contents of the draft plan update. He briefly reviewed the impacts of the eight natural hazards evaluated in the plan. He described the types of mitigation projects proposed and outlined the regional goal, objectives and types of projects CRCOG proposes to undertake.

He reviewed the proposed regional mitigation strategies and asked the committee to consider a change to strategy 3.2 to allow CRCOG to encourage the installation of generators at critical facilities in addition to at developments serving the elderly or special needs populations. There was discussion of revising the proposed language to define critical facilities as FEMA defines them; add financial incentives as a means for CRCOG to encourage generator installations; and consider powering generators through solar power. A motion was made and seconded from the floor to accept the revision to the regional mitigation strategy as originally proposed. All were in favor.

Mr. Perkins said the municipalities were proposing to undertake some 400 mitigation projects and presented a chart showing the types of projects proposed by each municipality. He described the benefit cost analysis performed for the mitigation projects. Mr. Allyn said that generators were not included in the benefit cost analysis software for grant applications. Ms Duberek reported that State

hazard mitigation officials will complete the benefit cost analysis for generators on behalf of municipalities. Ms. Pike DiSanto explained that the benefit cost review performed for the plan update was not as detailed as the benefit cost analysis that is required for hazard mitigation grant applications.

Mr. Perkins described the public review process and asked the committee to endorse the draft plan to release it for public review and comment. A motion was made and seconded from the floor to endorse the draft plan update. All were in favor. Mr. Perkins announced the two public meetings scheduled for public comment and asked planning committee members to help advertise the meetings. He described the State and FEMA review process and the municipal and regional adoptions that will be required after FEMA issues a conditional approval.

The meeting ended at approximately 10:15.

Note: Meeting attendees were provided copies of the Executive Summary, the public meeting advertisement, and excerpts from the draft plan update including the regional mitigation strategy, a listing of municipal strategies, and benefit cost reviews as well as copies of their municipality's section.

Lynne Pike DiSanto

To: Lynne Pike DiSanto
Cc: Mary Ellen Kowalewski; Wm Perkins; whaustin.tag@gmail.com
Subject: Important- Revisions to Capitol Region Natural Hazards Mitigation Plan Update
Importance: High

Hello,

I'm contacting you for your input as a member of the planning committee for the Update to the Capitol Region Natural Hazards Mitigation Plan. (The planning committee is based on the Capitol Region Emergency Planning Committee (CREPC) Regional Emergency Support Function 5 (ESF-5) Emergency Management which was expanded for the plan update process to include municipal representatives involved in the update.)

During the public review process on the draft plan we received one comment that I believe needs to be addressed by the planning committee. Specifically, a request was made that CRCOG assist the municipalities in reaching out to and involving people with functional needs in natural disaster planning and preparation activities. (*We also received a request from a Hartford resident for additional public review opportunities – please see below for additional details on that matter.*) As outlined below, I think this comment should be addressed by including a new regional mitigation activity in the plan update. This new activity would be the tenth activity designed to help meet the regional objective of assisting municipalities in implementing hazard mitigation strategies.

ESF-5 will meet on Tuesday, October 22 at 9 am in CRCOG's offices and will take up this matter. If you are not able to attend **please respond to this email no later than the close of business on Monday, October 21, 2013** by indicating whether:

- 1) ___you support the inclusion of this new regional mitigation activity as shown below,
- 2) ___support the inclusion of this new regional activity with the following changes: (please provide any revisions),
- 3) ___do not support the inclusion of this new regional activity,
- 4) ___other (please describe how you feel this comment should be addressed).

New Mitigation Action:

2.10 Assist member communities in efforts to develop and maintain lists of functional needs populations and in improving involvement of functional needs persons in planning and training for hazard mitigation.

Lead: Capitol Region Council of Governments, CREPC RESF-19
Priority: High
Potential Funding Sources: CRCOG operating budget
Timeline: 2014-2018

Analysis of Comment Received and Proposed Response:

- 1) **Outreach to Those with Functional Needs:** At the public meeting of October 1, 2013, a request was made that CRCOG assist municipalities in outreach to and involvement of those with functional needs in natural hazard mitigation efforts. Objective 2 of the regional mitigation strategy calls for CRCOG to, "Assist municipalities in implementing hazard mitigation strategies." More than a third of the region's municipalities have identified developing and maintaining or continuing to maintain a special needs population list as a municipal strategic action. Several have also identified training for the evacuation and sheltering, or protection of special needs populations as a municipal strategic action. As the commenter at the public meeting noted, it is often difficult to develop and maintain lists of those with functional needs because registration and inclusion in a list or database is voluntary and privacy must be maintained. Involvement of persons with functional needs in mitigation activities can be also difficult for a number of

reasons including the specifics of the functional need, transportation issues, and lack of personal familiarity with those undertaking the activities, among others.

CRCOG’s Capitol Region Emergency Planning Committee (CREPC) supports a number of Regional Emergency Support Functions including RESF-19, Functional Needs Management. The purpose of RESF-19 is to facilitate the collection, processing and dissemination of information to assist in the rescue and evacuation of functional needs citizens during a potential or actual regional emergency. Additionally, RESF-19 serves as the coordination point for all regional resources.

CRCOG proposes to add a new regional mitigation action to those addressing Objective 2. It would be our intention to work with CREPC RESF-19 to help strengthen municipal efforts to reach out to persons with functional needs for inclusion in registries and lists of those needing to be contacted in the event of disasters and to involve persons with functional needs in disaster training and hazard mitigation efforts that pertain to the functional needs community.

In suggesting a priority to assign to this proposed regional action, we considered the priorities assigned by municipalities for local activities to address the needs of functional needs populations and considered the benefit-cost ratio (BCR) attributed to these efforts. During the course of the preparation of the plan update, a benefit cost review was undertaken for the regional mitigation strategies and for the municipal strategies based on their type or category of mitigation activities. The benefit cost review used the STAPLEE criteria in scoring the benefits and costs attributed to mitigation actions. Most of the local efforts to address functional needs populations are considered prevention activities designed to assess and protect vulnerable populations. The benefit-cost review estimated a BCR of 2.3 to this category of municipal mitigation efforts. As a regional action, this proposed activity would have a similar BCR (2.2).

Action Type	STAPLEE Factors:	SOCIAL	TECHNICAL	ADMINISTRATIVE	POLITICAL	LEGAL	ECONOMIC	ENVIRONMENTAL	Total Points	B/C Ratio
(Municipal) Prevention - Assess/Protect Vulnerable Populations	Benefits	4	3	4	4	3	3		21	2.3
	Costs	1	1	3	1	2	1		9	
(Regional) Assist municipalities in efforts involving functional needs populations	Benefits	5	4	4	4	3	4		24	2.2
	Costs	2	2	2	1	2	2		11	

Of the fifteen specific municipal efforts to address those with functional or special needs, seven assigned a medium priority to these efforts, and eight assigned a high priority. Given the positive BCR for both the regional and local actions, and considering the local priorities assigned and the number of communities involved, we propose a high priority be assigned to this new regional strategy. It should be considered a “Must Do” activity.

Objective 2: Assist municipalities in implementing hazard mitigation strategies.

New Mitigation Action:

2.10 Assist member communities in efforts to develop and maintain lists of functional needs populations and in improving involvement of functional needs persons in planning and training for hazard mitigation.

Lead: Capitol Region Council of Governments, CREPC RESF-19
Priority: High
Potential Funding Sources: CROG operating budget
Timeline: 2014-2018

- 2) Request for additional public review opportunities: A Hartford resident requested that the draft plan be presented to Hartford City Council and the public review period be suspended to allow time for this. This resident and another Hartford resident also commented on the poor attendance at the October 1st public meeting in Hartford. After consulting with our representative at the City, we feel it is best to extend the public comment period until October 31st. If we receive comments during this time which would require planning committee involvement, we will contact you via e-mail.

I look forward to hearing from you in the next few days. Once I know how the planning committee members want to address the comment on outreach to those with functional needs and if there are other comments that need to be addressed, I will make the necessary changes to the draft plan and then will submit the plan to the State for its review. Other revisions to the draft include adding an executive summary, acknowledgements, additional resources and references, documentation of the planning process and public review of the plan update along with some other minor edits and some formatting changes.

Thank you for all your assistance in pulling this update together.

Regards,

Lynne Pike DiSanto

Lynne Pike DiSanto, AICP
Senior Planner and Policy Analyst
Capitol Region Council of Governments
241 Main Street, 4th Floor
Hartford, Connecticut 06106
(860) 522-2217 ext. 211
lpikedisanto@crcog.org

MEETING NOTES OF ESF-5
Pertaining to
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
PLANNING COMMITTEE

October 22, 2013
CRCOG Offices, Hartford, CT

ATTENDANCE

Ronald Lee – Portland
Jamie DiPace - Avon
Bill Austin - CREPC
Bill Turley – Enfield
George Dunn - Middletown
Bill Perkins - CREPC
Terrijean Erasmus - Farmington
Reece Jennings - Bloomfield
Lynne Pike DiSanto – CRCOG

Mr. Austin opened the meeting and asked all attendees to introduce themselves. He asked Ms. Pike DiSanto to discuss the request to add a new regional mitigation measure to the draft 2013-2018 Capitol Region Natural Hazards Mitigation Plan Update. The attendees were provided with background information on and a description of the proposed new regional mitigation strategy.

2.10 Assist member communities in efforts to develop and maintain lists of functional needs populations and in improving involvement of functional needs persons in planning and training for hazard mitigation.

Lead: Capitol Region Council of Governments, CREPC RESF-19
Priority: High
Potential Funding Sources: CRCOG operating budget
Timeline: 2014-2018

Ms. Pike DiSanto said the draft Capitol Region Natural Hazards Mitigation Plan Update was currently out for public review and comment. She said at a public meeting held in Hartford on October 1, 2013, a request was made that CRCOG assist municipalities in their efforts to reach out to and involve persons with functional needs in natural disaster planning and preparation activities. She said that considering the number of communities in the region which had proposed mitigation measures to reach out to those with special needs, she felt it was appropriate for CRCOG to include this as a regional mitigation effort under the activities proposed to address the regional objective of assisting municipalities in implementing hazard mitigation strategies. She said she had emailed the planning committee which consisted of the ESF-5 membership and representatives from each of the thirty towns involved in the update process. She said she had heard from representatives of fourteen municipalities who expressed support for the proposed mitigation measure and one who opposed the inclusion of the measure. She said one respondent commented that their community had a registry of special needs residents and

would not need regional assistance but did not vote. She said other additional comments received included a call for refining the definition of functional needs and a suggestion of a person with functional needs who could provide valuable input.

Mr. Dunn and Mr. Austin said the process of establishing and maintaining a registry of those with functional needs is difficult and time consuming. Mr. Austin noted that other agencies which may have information on those with functional needs cannot confirm this information for privacy reasons. Mr. Dunn noted that it would be important to identify the needs that should be addressed by these efforts. Mr. Austin noted that often people may not want to register or identify their specific needs because of trust issues. Mr. Lee suggested the VNA may be able to help with outreach and Mr. Dunn suggested volunteer and MRC support may be helpful. Mr. Perkins said Stephan Thal, the chair of ESF-19, would likely be heavily involved in the efforts. Mr. Perkins also suggested that legislative initiatives should be investigated.

A motion was made by Mr. Dunn and seconded by Mr. Lee to accept the amendment to the draft plan update to include the proposed regional mitigation measure. Mr. DiPace asked if towns would need to contribute funding to this effort. Ms. Pike DiSanto said municipal input would be needed but did not expect municipal funding to be required. Mr. Dunn said the term “assist” is broad. Ms. Pike DiSanto said the details of what would be undertaken have not been fleshed out and would need to be worked out. All were in favor.

The meeting continued with the other business on its agenda during which time Mr. Perkins gave a brief update on the progress of the work to update the Capitol Region Natural Hazards Mitigation Plan.

Meetings with Municipal Officials

Meetings were held in each of the thirty communities in the Capitol Region to initiate the local review and update of the municipal sections of the plan. CRCOG staff contacted the chief administrative official (CAO) in each community and requested a meeting with all appropriate town staff and local officials who would be involved in the update process or knowledgeable of disaster response and planning issues. CRCOG requested the CAO appoint a staff person to be the primary contact with CRCOG for the municipal update process. The individual meetings were held between June 2012 and May 2013. In addition to copies of the Introduction to the 2008 Plan; the municipal section from the 2008; copies of the Hazus-MH Event reports for hurricane and flood scenarios, and a map showing critical facilities, dams, flood zones, and repetitive loss areas; the documents which follow are typical of those used to arrange the meetings and at the meetings.

Request for Meeting

Lynne Pike DiSanto

From: Lynne Pike DiSanto
Sent: Thursday, May 31, 2012 1:13 PM
To: 'mleclerc@easthartfordct.gov'
Cc: 'WM Perkins'; Mary Ellen Kowalewski
Subject: Update of the Natural Hazard Mitigation Plan for the Capitol Region
Attachments: 2008_Plan_Intro.pdf; E. Hartford 2008.pdf
Categories: HazMitPlan

Good Afternoon Mayor Leclerc,

Recently the Capitol Region Council of Governments was awarded a grant from the Federal Emergency Management Agency (FEMA) to update the existing **Capitol Region Pre-Disaster Natural Hazard Mitigation Plan**. This plan addresses our region's vulnerabilities and strategies to handle natural disasters. Also, the plan addresses vulnerabilities and strategies *at the local level for each municipality* in the region. As you are well aware, it is vitally important for a municipality to be prepared to deal with natural hazards in order to reduce loss of life and property, economic disruptions and the cost of post-disaster recovery. The Federal Disaster Mitigation Act of 2000 requires local governments to have an approved Pre-Disaster Mitigation Plan to be eligible to receive FEMA Hazard Mitigation Grant Program project funding for a variety of disaster mitigation activities. Our existing plan is valid until September 2013 when an update must be approved by FEMA.

In the fall of 2010, each chief municipal official in the region agreed to participate in the update of the plan. East Hartford's participation will primarily encompass providing staff time for meeting with CRCOG staff, collecting and/or reviewing data on local critical facilities, vulnerable populations, risk assessments, and developing goals, objectives and strategies for dealing with natural disasters. Because this effort is an update of our existing plan, much of the ground work is already in place. Municipalities will also likely contribute to the plan update by providing meeting space, assistance with public outreach and staff time for public meeting attendance. Besides being fundamental to the purpose of the plan, municipal involvement will provide a significant portion of the required local match for the grant.

We would like to meet with you and the staff you want involved in this planning process on Monday, June 18th from 9:30 to 11:30 am. If this not a convenient time, please call me at 860-522-2217 ext. 211 so we can find an alternative time.

Our agenda for this meeting will include:

- Introductions
- An overview of the plan update process and current plan (PowerPoint presentation)
- A review of East Hartford's section in the current plan (see the attachment)
- What will be needed from local staff in the upcoming weeks and months
- Recordkeeping of municipal staff and other in-kind contributions

We are asking that you invite the local staff you feel should be involved and arrange for an appropriate meeting room. In 2007 and 2008, when the current plan was developed, town managers/first selectmen, town planners, public works personnel, and emergency management personnel were the municipal staff most involved. Others who you might want to involve include assistant town managers, health directors, police and fire chiefs, fire marshals, building officials, zoning enforcement officers, risk managers, town engineers, economic development directors, GIS staff, water pollution control staff, Board of Education officials, among others.

We are also asking that each municipality in the region assign a representative to serve on the planning committee for this project. We expect this committee to have its first meeting in the next few weeks.

In addition to East Hartford's section from current plan, I have attached the Introduction to the plan as background information. The complete current plan can be viewed on CRCOG's website at:
http://www.crcog.org/community_dev/current_p_fema.html .

We look forward to working with you and your staff on this important plan. If you have any questions please contact me at lpikedisanto@crcog.org or Bill Perkins at wmp Perkins@comcast.net. Thank you for your assistance.

Sincerely,

Lynne Pike DiSanto

Lynne Pike DiSanto, AICP
Senior Planner and Policy Analyst
Capitol Region Council of Governments
241 Main Street, 4th Floor
Hartford, Connecticut 06106
(860) 522-2217 ext. 211
lpikedisanto@crcog.org

Agenda

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Initial Town Meeting – October 22, 2012 – Town of Avon

Agenda

- Introductions
- An overview of the plan update process and current plan (PowerPoint presentation)
- A review of Avon's section in the current plan
- Hazard Impact Analysis
- What will be needed from local staff in the upcoming weeks and months
- Recordkeeping of municipal staff and other in-kind contributions

For more information: Visit CRCOG's website -
http://www.crcog.org/community_dev/current_p_fema.html
Or contact - Lynne Pike DiSanto at lpikedisanto@crcog.org or 860-522-2217 ext. 211
or Bill Perkins at wperkins@comcast.net or 860-522-2217 ext.243

Hazards Impact Worksheet

**CAPITOL REGION NATURAL HAZARDS MITIGATION PLAN UPDATE
LOCAL ANALYSIS OF HAZARDS IMPACTS**

Municipality: _____ Date: _____

HAZARD	AREAS OF CONCERN (TOWN/CITY-WIDE OR SPECIFIC LOCATION)	CRITICAL FACILITIES AFFECTED	POPULATIONS AFFECTED	CULTURAL ASSETS AFFECTED	OTHER CONCERNS
DAM FAILURE					
DROUGHT					
EARTHQUAKE					
FLOODS					
FOREST/WILDLAND FIRES					
HURRICANES/TROPICAL STORMS					
TORNADOES/HIGH WINDS					
WINTER STORMS					
OTHER					

KEEP IN MIND FUTURE GROWTH AND DEVELOPMENT

K:\Natural Hazard Mitigation Plans\PT11_Grant_Plan Update 2013-2018\Town\Initial Meetings with Town\HazardImpactWorksheet.xls

Notes for Initial Town Meeting

Notes for Marlborough Initial Town Meeting

March 14, 2013

- Municipal Plan Elements will include:
 - Background Data: demographics, major water sheds, watercourses, industries and transportation routes, etc.
 - Hazard Identification and Risk Assessment: what are the challenges and vulnerabilities facing the town? FEMA's Hazus-MH software will be used to help estimate potential losses from flooding, hurricanes and earthquakes.
 - Goals, Objectives and Mitigation Strategies: What will the town do to reduce or avoid the effects of natural disasters (including dealing with repetitive flood loss claims)?

- Population & Development
 - 2010 Population = 6,404 (Up about 12.17% from 5,709 in 2000)
 - 2010 Census: Housing Units = 2,389 (Up about 16.14% from 2,057 in 2000)

Where has new development occurred? Does the town have any special population groups (non-English speakers, elderly and/or disabled, group quarters, etc) whose needs should be considered in hazard mitigation planning?

- Flood Insurance Claims
 - A Repetitive Loss Property (RLP) is any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period, since 1978. At least two of the claims must be more than 10-days apart but, within 10 years of each other.
 - All plans approved after October 1, 2008 must also address NFIP insured structures that have been repetitively damaged by floods.

Community Number	Building Payments	Contents Payments	Total Payments	Average Payments	Losses (#)	Properties (#)
090148	\$6,386.46	\$14.20	\$6,400.66	\$3,200.33	2	1

- Essential and Critical Facilities
 - Hazus-MH helps to identify vulnerabilities and potential losses to important community facilities but the model doesn't include all facilities that may be of concern to the town.
 - Are the locations of town facilities, schools, etc shown correctly? Are there any missing facilities (or any that shouldn't be shown)? Where is the EOC? (Please note, any facilities we add to the mapping for the town will not be considered in current Hazus-MH modeling.)
 - No airport, railroad, medical care, nursing home, potable water system, oil, natural gas or electric facilities are included in the HAZUS-MH database. Should any of these be shown on mapping for the town's plan?
 - See the results of the Hazus-MH Risk Assessments for 100-year (1% chance) flood and a hurricane the force of the 1938 hurricane which are based on FEMA provided data.

- **Dams** Seven dams are listed on DEEP's inventory for Marlborough:

CT Dam #	Dam Hazard	Dam Name	Remarks
7904	A	CHAPMAN ROAD POND DAM	
7903		LAKE TERRAMUGGAS DAM	
7906		{unnamed dam}	
7907		ZIRKENBACH POND DAM	
7905		{unnamed dam}	
7901		STRONG POND DAM	
7902		4-H POND DAM	

DEEP Dam Hazard Classifications:

- **Class C:** high hazard potential dam which, if it were to fail, would result in the probable loss of life; major damage to habitable structures, residences, hospitals, convalescent homes, schools, etc.; damage to main highways; or great economic loss.
- **Class B:** significant hazard potential dam which, if it were to fail, would result in possible loss of life; minor damage to habitable structures, residences, hospitals, convalescent homes, schools, etc.; damage to or interruption of the use or service of utilities; damage to primary roadways and railroads; or significant economic loss.
- **Class BB:** moderate hazard potential dam which, if it were to fail, would result in damage to normally unoccupied storage structures, damage to low volume roadways, or moderate economic loss.
- **Class A:** low hazard potential dam which, if it were to fail, would result in damage to agricultural land, damage to unimproved roadways, or minimal economic loss.
- **Class AA:** negligible hazard potential dam which, if it were to fail, would result in no measurable damage to roadways, land and structures, and negligible economic loss.

Listing of Facilities from the Hazus-MH Model

Listing of Important Facilities, Dams & Locations of Hazardous Materials Used in Hazus-MH Model												Somers		
HAZUS-MH Dam Inventory														
Hazus ID	Name	County	Owner	Cont	River	DamClass	NearCity	DistanceCity	Purpose	Year Completed	Dam Length	Dam Height	Struc Height	Max Discharge
CT000356	HURDS LAKE POND	TOLLAND	YMCA OF HARTFORD REGION,	HPDE	GILLETTES BROOK TRIB	HPDE	SOMERS		1 R	1934	256	21	0	175
CT000355	MILL POND (SOMERVILLE POND)	TOLLAND	DEP		SCANTIC RIVER		SOMERSVILLE		0 R	1890	185	22	0	3165
HAZUS-MH Hazardous Materials Inventory														
Hazus ID	Name	Address	City	State	ZipCode	Contact	Cont	ChemicalName	Chemical Quantity	SIC Code	Class	Year Built	EPAID	Permit Amount
none														
Listing of Facilities Used in Hazus-MH														
HAZUS ID#	Facility Name	Street Address	Municipality	State	ZipCode	Contact	Phone	Fac. Class.	Description	Lat	Long	Comment		
CT000031	CONN. DEPT OF CORRECTIONS HOSP	100 BILTON ROAD	SOMERS	CT	06071			EFHS	Small Hospital (less than 50 Beds)	42.03302	-72.4957	500		
CT000078	Somers Fire Department	400 Main St	SOMERS	CT	06071		(434) 296-4825		Fire Station			PUBLIC 09000300408		
CT000148	CCU/SOMERS - OSBORNE	100 BILTON ROAD	SOMERS	CT	06071		(860) 566-7500		Grade Schools (Primary and High Schools)			PUBLIC 09000301349		
CT000149	NORTHERN CONNECTIONAL INSTITUTE	287 BILTON RD.	SOMERS	CT	06071		(860) 292-3413		Grade Schools (Primary and High Schools)			PUBLIC 090414000526		
CT001125	SOMERS ELEMENTARY SCHOOL	NINTH DISTRICT RD.	SOMERS	CT	06071		(860) 749-3126		Grade Schools (Primary and High Schools)			PUBLIC 090414000818		
CT001126	MABELLE B. AVERY MIDDLE SCHOOL	NINTH DISTRICT RD.	SOMERS	CT	06071		(860) 763-0723		Grade Schools (Primary and High Schools)			PUBLIC 090414000818		
CT001127	SOMERS HIGH SCHOOL	NINTH DISTRICT RD.	SOMERS	CT	06071		(860) 749-0719		Grade Schools (Primary and High Schools)			PUBLIC 090414000818		
CT000785	THE GRAMMER SCHOOL	41 SCHOOL STREET	SOMERSVILLE	CT	06072		(860) 749-5933		Grade Schools (Primary and High Schools)			PRIVATE A0300712		
HAZUS-MH Wastewater Treatment Plant Inventory														
Hazus ID	Name	Address	City	State	ZipCode	Lat	Long	Owner	Contact	Phone	USEPA Class	Description	Usage	Facility Cost
none														

UPDATING LOCAL MITIGATION GOALS, OBJECTIVES AND STRATEGIES

In updating the current natural hazard mitigation plan, the municipality should review and revise its *Goals, Objectives, Strategies* section to reflect progress in local mitigation efforts and changes in priorities. This section is your municipal “blue print” for reducing or avoiding the potential losses from natural hazards.

- **Goals** are the general guidelines and broad policy statements that explain what you want to achieve.
- **Objectives** are the specific measurable implementation steps you will follow to achieve your goals.
- **Mitigation strategies** are the specific actions and projects being considered to reduce the effects of each hazard, *with particular emphasis on new and existing buildings and infrastructure*. Hazard mitigation is defined as sustained action taken to reduce or eliminate long-term risk to people and property from hazards and their effects.

The update to the *Goals, Objectives, and Strategies* section should include a brief status report describing work that has been accomplished on mitigation actions in the current plan. If any mitigation actions remain unchanged from those in the current plan, indicate why changes are not necessary. As appropriate, identify any new goals, objectives and strategies to address in the next five years.

The plan update provides an opportunity for local jurisdictions to reconsider the range of specific mitigation actions that will make the community safer from natural hazards. Your municipal comprehensive plan of conservation and development, capital improvements program, and other local plans and programs may have identified projects that will help mitigate impacts from natural hazards. Consider mitigation actions in the following categories:

- **Prevention:** Government actions or processes that influence the way land and buildings are developed such as, zoning regulations, floodplain regulations, building codes, open space preservation and stormwater management regulations.
- **Property Protection:** Modifications to buildings or infrastructure to protect or remove them from harm such as, acquisition, elevation, relocation, structural retrofits, flood proofing, shatter resistant glass.
- **Public Education & Awareness:** Outreach to inform and educate citizens, elected officials, property owners.
- **Natural Resource Protection:** Actions that not only minimize hazard losses but also can preserve or restore functions of natural systems such as sediment and erosion control, stream corridor restoration, watershed management and wetlands preservation and restoration.
- **Structural Projects:** Construction of structures to reduce the impact of a hazard such as, culverts and other stormwater controls, flood walls and safe rooms.

The STAPLEE evaluation process recommended by FEMA can be used to analyze potential mitigation actions taking into consideration **Social, Technical, Administrative, Political, Legal, Economic, and Environmental** factors. Using criteria such as STAPLEE, local communities can weigh the pros and cons of implementing a particular mitigation action. Jurisdictions *should* evaluate actions based on local conditions that may impact whether or not the *actions* identified in the mitigation action plan could be accomplished.

When identifying and evaluating mitigation actions, the following considerations may also be useful:

- Compatibility with goals, objectives and funding priorities identified in the current State hazard mitigation plan; (The State's 2010 Natural Hazard Mitigation Plan can be accessed at CT DEEP's website at: http://www.ct.gov/dep/cwp/view.asp?a=2720&q=32565&dep.NAV_GID=1654.)
- An assessment of the impact of the identified actions on other jurisdictions or region;
- Cost/benefit reviews of potential actions;
- Compatibility with other local or regional plans and programs.

Consider the following **STAPLEE** factors in evaluating mitigation actions:

Social - The public must support the overall implementation strategy and specific mitigation actions. Therefore, the projects will have to be evaluated in terms of community acceptance.

Technical - It is important to determine if the proposed action is technically feasible, will help to reduce losses in the long term, and has minimal secondary impacts. Determine whether the alternative action is a whole or partial solution, or not a solution at all.

Administrative - Under this part of the evaluation criteria, examine the anticipated staffing, funding, and maintenance requirements for the mitigation action to determine if the jurisdiction has the personnel and administrative capabilities necessary to implement the action or whether outside help will be needed.

Political - Understanding how your current community and State political leadership feel about issues related to the environment, economic development, safety and emergency management. This will provide valuable insight into the level of political support you'll have for mitigation activities and programs. Proposed mitigation objectives sometimes fail because of a lack of political acceptability.

Legal - Without the appropriate legal authority, the action cannot lawfully be undertaken. When considering this criterion, determine whether your jurisdiction has the legal authority at the State or local level to implement the action, or whether the jurisdiction must pass new laws or regulations. Each level of government operates under a specific source of delegated authority. As a general rule, most local governments operate under enabling legislation that gives them the power to engage in different activities. Identify the unit of government undertaking the mitigation action, and include an analysis of the interrelationships between local, regional, State, and Federal governments. Legal authority is likely to have a significant role later in the process when your State or community will have to determine how mitigation activities can be best carried out, and to what extent mitigation policies and programs can be enforced.

Economic - Every local and State government experiences budget constraints at one time or another. Cost-effective mitigation actions that can be funded in current or upcoming budget cycles are much more likely to be implemented than mitigation actions requiring general obligation bonds or other instruments that would incur long-term debt to a community. States and local communities with tight budgets or budget shortfalls may be more willing to undertake a mitigation initiative if it can be funded, at least in part, by outside sources. "Big ticket" mitigation actions, such as large-scale acquisition and relocation, are often considered in a post-disaster scenario when additional Federal and State funding for mitigation is available.

Environmental - Impact on the environment is an important consideration because of public desire for sustainable and environmentally healthy communities and the many statutory considerations, such as NEPA, to keep in mind when using Federal funds. You will need to evaluate whether, when implementing mitigation actions, there would be negative consequences to environmental assets such as threatened and endangered species, wetlands, and other protected natural resources.

Attendance Record

Capitol Region Natural Hazard Mitigation Plan Update
Meeting Attendance Record

MUNICIPALITY: Manchester DATE: 11-16-12

NAME & POSITION	DEPARTMENT/AGENCY	E-MAIL/PHONE
Matt Bordeaux, Env. Planner/ Wetlands Agent	Planning Dept.	Mbordeaux@manchester.ct.gov 647-3288 (800) 808-7447
MARK PELLEGRINI PLANNING DIRECTOR	PLANNING DEPT	MARKP@MANCHESTER.GOV (800) 647-3047
MARX CARLINO Public Works Director	Public Works	mcarlino@manchester.ct.gov (800) 647-3067
Scott Shanley General Manager	General Manager	Sshanley@manchester.gov
DON JANELLI EMERGENCY MGMT		DJANELLI@MANCHESTER.GOV 860-647-5257
Ed Soper Administrator, Water & Sewer Dept	WATER & Sewer Dept	esoper@manchester.ct.gov 860-647-3115

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- FEMA Hazard Mitigation Planning
- Agriculture Viability Project
- Bolton Route 44 Planning Project
- TOD Implementation Project
- Completed Projects

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Capitol Region Natural Hazards Mitigation Planning

The Capitol Region has a **Capitol Region Pre-Disaster Natural Hazard Mitigation Plan** which was approved by FEMA on September 24, 2008, and adopted by all the participating municipalities. The final version can be accessed below.

This project identified natural hazard risks and vulnerabilities, and strategies for reducing losses regionally and in each member municipality. Once towns formally adopt the plan, they will become eligible to apply for FEMA hazard mitigation project grants. The plan expires in 2013 and must be updated if towns want to continue to be eligible for these FEMA grants.

The Plan contains numerous maps, and therefore, had to be broken down to reduce the sizes of the following files.

- Contents and Introduction
- I. Hazard Evaluation
- II. Regional Mitigation Goals
- III. Municipalities A-B
- III. Municipalities C-Ea
- III. Municipalities Ei-GI
- III. Municipalities Gr-Man
- III. Municipalities Mar-Si
- III. Municipalities So-T
- III. Municipalities V-W
- IV. Plan Process
- V. Plan Implementation
- Appendix A. Hurricane
- Appendix B. Enfield
- Appendix C. West Hartford

We have begun the process to update the plan.

Brief Overview of Plan Update

Draft Sections of 2013 Plan Update

- Introduction
- Hazards Evaluation
- Regional Mitigation Actions

Please contact Mary Ellen Kowalewski at 860-522-2217 x ext. 222 or Lynne Pike DiSanto at 860-522-2217 x 211 with any questions.

Helpful links:

- The State of Connecticut's Natural Hazard Mitigation Plan
- FEMA's Hazard Mitigation Assistance Programs
- Mitigation Ideas from FEMA
- NFIP Community Rating System Brochure

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We have begun the process to update the plan:
[Brief Overview of Plan Update](#)

We'd like your ideas and comments:

Take our **Survey!** Help us identify projects and programs our communities should undertake to lessen the impacts of natural hazards.

Come to a Public Meeting:

For residents of Avon, Canton, Farmington & Simsbury
 Monday, June 10th 6 pm at the Farmington Police Community Room,
 319 New Britain Avenue, Unionville ([click here for meeting summary](#))

For residents of Andover, Bolton, Hebron & Marlborough
 Monday, June 17th 7pm at the Gilead Hill School
 580 Gilead Street (Route 85) Hebron ([click here for meeting summary](#))

For residents of Granby, East Granby & Suffield
 Monday, July 1st 7pm at the Granby Senior Center
 15 North Granby Road, Granby ([click here for meeting summary](#))

For residents of Bloomfield, Newington, Rocky Hill, West Hartford & Wethersfield
 Tuesday, July 2nd 7pm at Bloomfield Volunteer Ambulance
 12 Southwood Drive, Bloomfield ([click here for meeting summary](#))

For residents of Enfield, Windsor & Windsor Locks
 Tuesday, July 9th 7pm at the Windsor Locks Town Hall
 50 Church Street, Windsor Locks, CT ([click here for meeting summary](#))

For residents of Hartford, East Hartford, Glastonbury, Manchester & South Windsor
 Thursday, July 11th 7pm at the Academy Building Annex to Glastonbury Town Hall,
 2143 Main Street, Glastonbury, CT

For residents of East Windsor, Ellington, Somers, Stafford, Tolland, & Vernon
 Thursday, July 18th 7pm at the Vernon Senior Center
 (next to Town Hall), 26 Park Place, Vernon/Rockville, CT

Draft Sections of 2013 Plan Update:

- Introduction
- Hazards Evaluation
- Regional Mitigation Actions

Please contact **Mary Ellen Kowalewski** at 860-522-2217 x ext. 222 or **Lynne Pike DiSanto** at 860-522-2217 x 211 with any questions.

Helpful links:

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We have begun the process to update the plan:
[Brief Overview of Plan Update](#)
[Executive Summary: 2013-2013 Plan Update](#)

Draft Sections of 2013 Plan Update:

- Introduction, Hazards Evaluation, Mitigation Strategies
- Municipal Sections: Andover - Hebron
- Municipal Sections: Manchester - Windsor Locks
- Planning Process, Plan Implementation
- Appendices (Coming Soon)

Your ideas and comments are important :

We will hold Public Meetings this fall on the draft plan:

Tuesday, October 1st, 5:30 pm at Hartford Public Library, 500 Main Street

Wednesday, October 2nd, 7:00 pm at Enfield Town Hall Council Chambers, 820 Enfield Street

Written comments may be submitted by October 11, 2013 to:
 CRCOG, 241 Main St., Hartford, CT 06106,
 or via e-mail: Lynne Pike DiSanto

Read the results of our Survey designed to help us identify projects and programs our communities should undertake to lessen the impacts of natural hazards.

We held a series of public meetings throughout the region. View a composite [presentation](#) of these meetings and read the meeting summaries below.

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Capitol Region Natural Hazards Mitigation Planning

The Capitol Region has a **Capitol Region Pre-Disaster Natural Hazard Mitigation Plan** which was approved by FEMA on September 24, 2009, and adopted by all the participating municipalities. The final version can be accessed below.

This project identified natural hazard risks and vulnerabilities, and strategies for reducing losses regionally and in each member municipality. Once towns formally adopt the plan, they are eligible to apply for FEMA hazard mitigation project grants. The plan expires in 2013 and must be updated if towns want to continue to be eligible for these FEMA grants.

We have begun the process to update the plan:
Brief Overview of Plan Update
Executive Summary: 2013-2013 Plan Update

Draft Sections of 2013 Plan Update:

- Introduction, Hazards Evaluation, Mitigation Strategies
- Municipal Sections: Andover - Hebron
- Municipal Sections: Manchester - Windsor Locks
- Planning Process, Plan Implementation
- Appendices:
 - Planning Process and Regional Hazus Reports
 - Municipal Hazus Reports

Your ideas and comments are important:

SPECIAL NOTICE: We have extended the public comment period until October 31st.

Written comments may be submitted by October 31, 2013 to:
CRCOG, 241 Main St., Hartford, CT 06106,
or via e-mail: Lynne Pike DiSanto

A copy of the draft plan update is also available at CRCOG's offices (241 Main Street, 4th Floor, Hartford, CT 06106) between the hours of 8:30 am and 4:30 pm, Monday through Friday.

We held Public Meetings this fall on the draft plan:

Tuesday, October 1st, 5:30 pm at Hartford Public Library, 500 Main Street (click here for meeting summary)

Wednesday, October 2nd, 7:00 pm at Enfield Town Hall Council Chambers, 820 Enfield Street (click here for meeting summary)

Read the results of our Survey designed to help us identify projects and programs our communities should undertake to lessen the impacts of natural hazards.

We also held a series of public meetings throughout the region this summer. View a composite presentation of these meetings and read the meeting summaries below:

For residents of Avon, Canton, Farmington & Simsbury
 Monday, June 10th 6 pm at the Farmington Police Community Room, 319 New Britain Avenue, Unionville (click here for meeting summary)

For residents of Andover, Bolton, Hebron & Marlborough
 Monday, June 17th 7pm at the Gilead Hill School, 580 Gilead Street (Route 85) Hebron (click here for meeting summary)

For residents of Granby, East Granby & Suffield
 Monday, July 1st 7pm at the Granby Senior Center, 15 North Granby Road, Granby (click here for meeting summary)

For residents of Bloomfield, Newington, Rocky Hill, West Hartford & Wethersfield
 Tuesday, July 2nd 7pm at Bloomfield Volunteer Ambulance, 12 Southwood Drive, Bloomfield (click here for meeting summary)

For residents of Enfield, Windsor & Windsor Locks
 Tuesday, July 9th 7pm at the Windsor Locks Town Hall, 50 Church Street, Windsor Locks, CT (click here for meeting summary)

For residents of Hartford, East Hartford, Glastonbury, Manchester & South Windsor
 Thursday, July 11th 7pm at the Academy Building Annex to Glastonbury Town Hall, 2143 Main Street, Glastonbury, CT (click here for meeting summary)

For residents of East Windsor, Ellington, Somers, Stafford, Tolland, & Vernon
 Thursday, July 18th 7pm at the Vernon Senior Center (next to Town Hall), 26 Park Place, Vernon/Rockville, CT (click here for meeting summary)

The 2008 Capitol Region Pre-Disaster Natural Hazard Mitigation Plan contains numerous maps, and therefore, had to be broken down to reduce the sizes of the following files.

Contents and Introduction

- I. Hazard Evaluation
- II. Regional Mitigation Goals
- III. Municipalities A-B
- III. Municipalities C-Es
- III. Municipalities Et-Gl
- III. Municipalities Gr-Man
- III. Municipalities Mar-Si
- III. Municipalities So-T
- III. Municipalities V-W
- IV. Plan Process
- V. Plan Implementation
- Appendix A. Hurricane
- Appendix B. Enfield
- Appendix C. West Hartford

Please contact **Mary Ellen Kowalewski** at 860-522-2217 x ext. 222 or **Lynne Pike DiSanto** at 860-522-2217 x 211 with any questions.

Helpful links:

- The State of Connecticut's Natural Hazard Mitigation Plan
- FEMA's Hazard Mitigation Assistance Programs
- Mitigation Ideas from FEMA
- NFIP Community Rating System Brochure

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Regional Plan | Zoning Referrals/Research | Housing Topics | Livable Communities | Transit Oriented Development | Current Projects

CRCOG

CURRENT PROJECTS

Capitol Region Natural Hazards Mitigation Planning

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 - **Modifications to Proposed Mitigation Strategies**

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Please contact [Mary Ellen Kowalewski](mailto:MaryEllen.Kowalewski@CRCOG.org) at 860-522-2217 x ext. 222 or [Lynne Pike DiSanto](mailto:Lynne.Pike@CRCOG.org) at 860-522-2217 x 211 with any questions.

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- Mitigation Ideas from FEMA
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**Capitol Region
Council of Governments**

PROYECTOS ACTUALES

Región Capitol Mitigación de Riesgos Naturales de Planificación

La Región Capital tiene una *Región Capitol Pre-Desastre Natural Plan de Mitigación de Riesgos*, que fue aprobado por FEMA el 24 de septiembre de 2008, y aprobada por todos los municipios participantes. La versión final se puede acceder a continuación.

Este proyecto identificó los riesgos de las amenazas naturales y la vulnerabilidad y las estrategias para la reducción de pérdidas a nivel regional y en cada municipio miembro. Una vez que las ciudades adoptar formalmente el plan, será elegible para solicitar subvenciones para proyectos de FEMA mitigación de riesgos. El plan vence en el 2013 y debe actualizarse si las ciudades quieren seguir siendo elegible para estas becas FEMA. El Plan contiene numerosos mapas, por lo que tuvo que ser dividido para reducir el tamaño de los archivos siguientes.

► Brownfields Evaluaciones

► FEMA Mitigación de Riesgos Planificación

► Proyecto de Agricultura de Viabilidad

► Bolton Ruta 44 Planificación de Proyectos

► TOD Implementación del Proyecto

► Proyectos terminados

Contenido e Introducción

I. Evaluación de Riesgos

II. Metas regionales de mitigación

III. Municipios AB

III. Municipios C-Ea

III. Los municipios de El-GI

III. Municipios Gr-Man

III. Municipios Mar-Si

III. Municipios So-T

III. Municipios VW

IV. Proceso del Plan

V. Plan de Implementación

Apéndice A. Huracán

Apéndice B. Enfield

Apéndice C. West Hartford

Hemos comenzado el proceso para actualizar el plan.

Breve descripción de Actualización del Plan

Disfrute de nuestra encuesta ! Ayuda a identificar los proyectos y programas de nuestras comunidades deben adoptar para reducir los efectos de los peligros naturales.

Secciones Proyecto de Actualización del Plan 2013

- Introducción
- Peligros de Evaluación
- Acciones regionales de mitigación

Por favor, póngase en contacto con Mary Ellen Kowalewski en 860-522-2217 x ext. 222 o Lynne Pike DiSanto a 860-522-2217 x 211 con cualquier pregunta.

Enlaces útiles:

El Estado de Connecticut Natural Plan de Mitigación de Riesgos

Riesgos de FEMA Programas de Mitigación de Asistencia

Ideas en mitigación de FEMA

NFIP Calificación de la Comunidad Folleto del Sistema

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Región Capitalina Consejo de Gobiernos
241 Main Street | Hartford, CT 06105-5310
Teléfono: (860) 522-2217 | Fax: (860) 724-1274

► घर ► संपर्क अमेरिका

Hindi ▾

CRCOG अनुवाद अस्वीकरण

खोजें

डेटा / जीआईएस मैपिंग	नगर सेवाएं	नीति विकास और योजना	सार्वजनिक सुरक्षा और होमलैंड सुरक्षा	प्रकाशन	क्रय परिषद	परिवहन
क्षेत्रीय योजना Zoning रेफरल / अनुसंधान आवास विषयों रहने योग्य समुदायों ट्रांजिट उन्मुख विकास वर्तमान परियोजनाएं						



Capitol Region Council of Governments

क्या नई नीति विकास और योजना में है

► समितियाँ

नीति विकास और योजना

संपर्क जानकारी:

मैरी एलेन Kowalewski, AICP नीति विकास और योजना के निदेशक टेलीफोन एक्सटेंशन: 222

एमिली जे Moos, AICP वरिष्ठ नियोजक और नीति विश्लेषक टेलीफोन एक्सटेंशन: 219

सांद्रा एम. तलना प्रधान परिकल्पना नियोजक टेलीफोन एक्सटेंशन: 220

पता: 241 मुख्य स्ट्रीट, 4 मंजिल Hartford, सीटी 06106

टेलीफोन: 860-522-2217 फैक्स: 860-724-1274

केपिटल क्षेत्र नगर पालिकाओं स्थानीय सरकारों के प्रशासन और विकास, संरक्षण, और समुदायों के संरक्षण का मार्गदर्शन चल रही पुनर्निर्माण का सामना करना पड़ता है, CRCOG नीति विकास एवं योजना विभाग की गतिविधियों की एक श्रृंखला के लिए स्थानीय जरूरतों को पूरा किया जाता है. भूमि के उपयोग, zoning, आवास, स्थायी और रहने योग्य समुदायों, पारगमन उन्मुख विकास, और डेटा प्रबंधन: नीति विकास और योजना परियोजनाओं के विभिन्न विषयों को कवर. हमारे राज्य विधियों और अन्य परियोजनाओं CRCOG नीति बोर्ड और क्षेत्रीय योजना आयोग के दिशा में अपनाई द्वारा सौंपा जिम्मेदारियों के काम में शामिल हैं.

समितियाँ

- क्षेत्रीय योजना आयोग
- कनेक्टिकट नदी विधानसभा

नीति विकास और योजना कड़ियाँ

- संरक्षण और विकास के क्षेत्रीय योजना
- सांविधिक भूमि उपयोग रेफरल
- प्राकृतिक खतरों शमन योजना
- CRCOG डाटा केंद्र
- क्षेत्रीय आवास मुद्दे
- सतत कैपिटल क्षेत्र
- समुदाय और नागरिकों के लिए रहने योग्य समुदाय उपकरण
- वर्तमान परियोजनाएं
- नीति और योजना प्रकाशन

मैरी एलेन Kowalewski नीति विकास एवं योजना विभाग के निदेशक, टिप्पणी या सवाल पर उसे करने के लिए निर्देशित किया जा सकता है mkowalewski@crcog.org या 860-522-2217, x222.

घर में मैं हमारे क्षेत्र डेटा / जीआईएस मानचित्रण में नगरपालिका सेवाओं में नीति विकास और योजना सार्वजनिक सुरक्षा और होमलैंड सुरक्षा। प्रकाशन। क्रय परिषद में परिवहन में हमसे संपर्क करें

केपिटल क्षेत्र सरकारों की परिषद
Hartford, सीटी 06106-5310 | 241 मुख्य स्ट्रीट
टेलीफोन: (860) 522-2217 | फैक्स: (860) 724-1274

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Capitol Region Council of Governments

- ▶ 種地評估
- ▶ FEMA減災規劃
- ▶ 農業可行性項目
- ▶ 博爾頓44號線規劃項目
- ▶ TOO實施項目
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當前項目

國會地區自然災害減災規劃

首都地區災區議會區域自然災害風險緩解計劃 2008年9月24日，這是由FEMA批准，並通過所有參與的城市，下面的最終版本，可以訪問。

該項目確定了自然災害風險和脆弱性，減少損失的區域和每個成員高層市戰略。一旦城鎮正式採納該計劃，他們有資格申請FEMA減災項目補助。該計劃在2013年到期。如果城鎮要繼續成為這些FEMA補助必須更新。

我們已經開始的過程中，更新計劃：
 計劃更新的簡要概述
 內容提要：二〇一一年至2013年計劃更新

2013年計劃更新的章節草案：

- 介紹：危害評估、風險評估
- 市政部分：安多弗 - 希伯倫
- 市政部分：曼徹斯特 - 溫莎洛克斯
- 規劃過程中：規劃實施
- 附錄（檢查）

你的想法和意見是重要的：

我們將舉行公眾集會，今年秋季計劃草案：

週二，10月1日，下午5:30在哈特福德公立圖書館，大街500號

10月2日（星期三）下午7:00在惠菲爾德市政廳會議室，820惠菲爾德街

可提交書面意見，由2013年10月11日
 CRCOG主席：哈特福德，CT 06106-241
 或通過e-mail：琳恩派克Disanto

閱讀的結果我們設計到ELP的讀者，我們確定我們的社區應該承擔的項目和計劃，以減輕自然災害的影響。

我們舉行了一系列公眾集會整個地區，查看綜合介紹這些會議和閱讀下面的會議紀要：

對於安多弗、曼、法名鎮和希伯倫居民
 週一，6月10日下午6點在法明頓警察社區活動室
 319新不列顛大道，尤寧鎮（點擊這裡會議紀要）

對於博爾頓的安多弗、博爾頓、希伯倫和惠菲爾德
 週一，6月17日晚上7點在曼列山學校
 550科利德街（55號公路）希伯倫（點擊這裡會議紀要）

對於博爾頓的格羅比、東希爾和惠菲爾德
 週一，7月1日晚上7點在格羅比中心
 15北希爾街，格羅比（點擊這裡會議紀要）

對於博爾頓的博爾頓、格羅比、沃爾山、西哈特福德和曼
 週二，7月2日晚上7點在布盧姆菲爾德的志願者樓
 12紐布羅街，布盧姆菲爾德（點擊這裡會議紀要）

對於惠菲爾德居民、溫莎及溫莎洛克斯
 7月9日（星期二）晚上7點在theWindsor大會堂
 聖街50號，溫莎洛克斯，CT（點擊這裡了會議紀要）

哈特福德、曼、法名鎮、希伯倫和博爾頓、曼、法名鎮和博爾頓居民
 週四，7月11日晚上7點在學院大廈附樓，CT，格羅斯頓伯裡大街，2143格羅斯頓伯裡大街
 曼（點擊這裡了會議紀要）

對於曼、法名鎮、博爾頓、希伯倫、曼、法名鎮、曼、法名鎮和博爾頓的居民
 週四，7月15日晚上7點在博爾頓高級中心（明年toTown廳）
 26公園廣場，博爾頓/羅克維爾，CT（會議紀要點擊這裡）

2008年 首都地區自然災害減災計劃 包含了大量的地圖，因此，不得不進行縮分，以減少以下文件的大小。

內容簡介

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 - 區域災害評估
 - 各市AB
 - 直轄市C-EA
 - 各市EL-GI
 - II. 各市GR-MAN
 - III. 各市三月抄
 - 直轄市大區
 - IV. 計劃過程
 - V. 規劃實施
 - 附錄A 概述
 - 附錄B 惠菲爾德
 - 西哈特福德

請聯繫琳恩·埃倫·科瓦夫斯基本 x 860-522-2217分機，222
 或琳恩派克Disanto 860-522-2217 x 211有任何問題。

有用的鏈接：

- 康涅狄格州的自然災害減災計劃
- 聯邦緊急事務管理局的減災援助計劃
- FEMA減災理念
- NFIP的社區評分系統手冊

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首都地區政府理事會
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 網站設計與開發的DMClean.com理事會
 241大街哈特福德，CT 06106-5310
 電話：(860) 522-2217傳真：(860) 724-1274



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Our Mission

To preserve, create and maintain a sustainable, economically competitive, and equitable bi-state region.

Climate & Natural Hazards



Record breaking summer heat, a destructive tornado, flooding from a tropical storm and severely crippling snow storms; they all happened in 2011. And these abnormally destructive events are only expected to happen more often.

It's time for our communities to take action. Proactively adapting to a warming climate can save lives and community resources. While we cannot reverse global warming, we can prepare our cities and towns to suit the changing conditions. Steps like modifying agriculture practices, improving storm water infrastructure, and preparing for heat waves, tropical storms and heavy snowfalls can protect our region for future generations.

It is also important to do our part to reduce our contribution to the continued warming of the planet. Not only is it a responsible approach, but as the costs of carbon-based fuel sources continue to rise, so will our costs for electricity, heat and transportation. Reducing overall energy use and transitioning to renewable energy sources such as solar, water, geothermal and wind power will improve our community's social, environmental, and economic sustainability.

Plans

- Central Region, CT - CCRPA**
climate
Pioneer Valley Natural Hazard Mitigation Plan Update (2008)
- Capital Region, CT - CRCOG**
sustainable?
Pioneer Valley Natural Hazard Mitigation Plan (2008, updated 2012)
- Pioneer Valley, MA - PVPC**
Climate Action & Clean Energy Plan (2012)
Clean Energy Plan (2008)

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Capitol Region Natural Hazards Mitigation Plan Update Survey Summary of Results

Survey Purpose, Design and Distribution

A short survey was designed and distributed to elicit input on mitigation measures important to the public. The survey was conducted in advance of and at the same time as a series of public meetings was conducted throughout the region, also to elicit public input on mitigation measures. The seven question survey (see the Appendix) was designed using SurveyMonkey, a widely used online survey tool. Two survey questions focused directly on assessing public support regarding specific mitigation measures; two questions sought demographic information from respondents; one question sought input on vulnerable areas and groups; and two questions focused on emergency shelter use. (The shelter questions were included to also inform other regional planning efforts.)

Links to the survey were posted on March 27, 2013 on the Capitol Region Council of Governments website and on April 26, 2013 on the Get Ready Capitol Region website. E-mail invitations to the seven subregional meetings also included a link to the survey. These invitations were sent to over 400 people. Many of the municipalities also posted links to the survey on their websites or distributed the link in e-mail blasts advertising the meetings. A link to the survey was published in the Hartford Courant on July 8 and 11, 2013. Those who attended the public meetings were asked to fill out paper copies of the survey if they had not previously completed one online. The survey was closed on July 22, 2013. In all, 147 people responded to the survey. After each subregional public meeting a report highlighting the responses received to-date from residents of the municipalities involved in the meetings was sent to municipal contacts for their use and consideration in finalizing their municipal strategies.

Survey Findings

Question 1 asked what town or city the respondent lived in. Of the 147 respondents, 139 or 95% were residents of one of the thirty Capitol Region municipalities. Residents of Granby responded in greatest number to the survey: 31 Granby residents completed the survey or 21% of all respondents. Fourteen Canton residents (or 9.5% of all respondents), ten Tolland residents (7%), nine Glastonbury residents and nine Hartford residents (6% each) completed the survey. Also, seven residents each of West Hartford and Avon, six residents each of Enfield, Vernon and Wethersfield, five residents of Manchester, four residents of Simsbury, three residents each of Hebron, Marlborough, Newington, and Suffield, two residents each of Rocky Hill, South Windsor, and Windsor Locks, as well as one resident each of Bloomfield, East Hartford, Ellington, Farmington and Windsor replied to the survey. No residents of Andover, Bolton, East Granby, Somers, or Stafford completed the survey. Of the respondents residing in communities outside the Capitol Region, six were from nearby communities (Bristol, Coventry, New Britain, Plainville, and Storrs) while two were from more distant communities (Troy and Delhi).

Question 2 asked the survey participants to review a list of twenty-four mitigation measures and select the five most important measures their city or town should take, or continue to take, to prevent

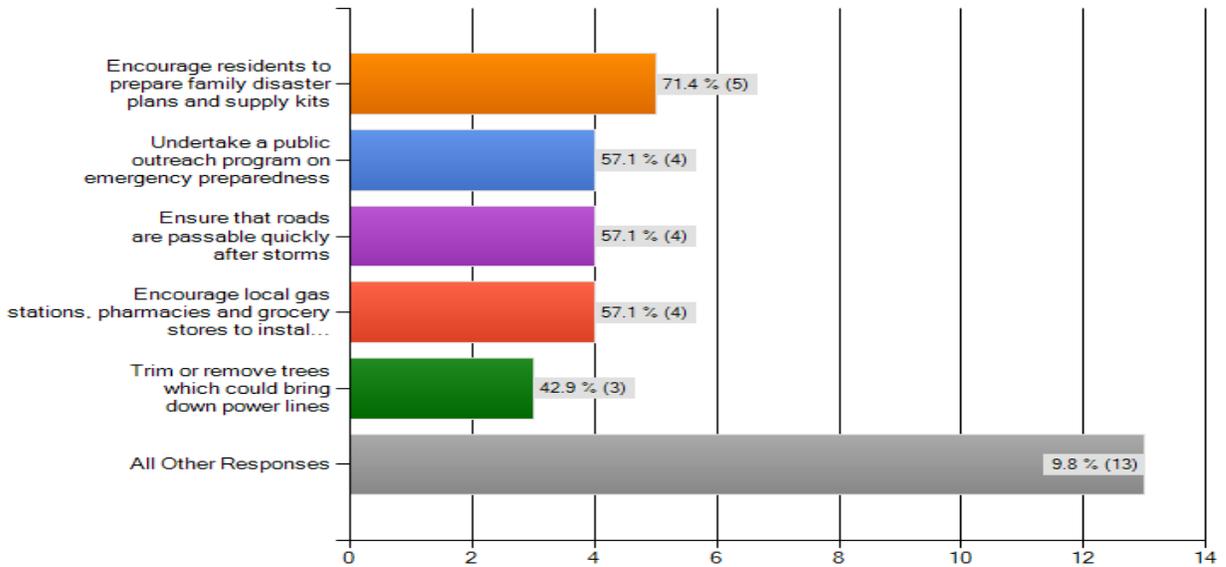
or lessen the impacts and damages caused by natural hazards. The table below lists the measures selected in order of the frequency of their selection. As can be seen, the strongest support among all respondents was expressed for using an emergency alert system to contact residents.

Answer Options	Response Percent	Response Count
Use an emergency alert system to contact residents	49.3%	72
Provide back-up power to critical municipal facilities (police & fire stations, town hall, etc)	43.8%	64
Support training of municipal staff and volunteers for emergency response	43.2%	63
Encourage local gas stations, pharmacies and grocery stores to install back-up generators	41.1%	60
Encourage residents to prepare family disaster plans and supply kits	40.4%	59
Trim or remove trees which could bring down power lines	39.0%	57
Ensure that roads are passable quickly after storms	36.3%	53
Undertake a public outreach program on emergency preparedness	32.2%	47
Contact and assist the elderly and others with special needs in the event of natural disasters	31.5%	46
Encourage utilities to consider burying existing electric and cable lines	19.9%	29
Ensure electric and cable lines are installed underground in new development	17.8%	26
Encourage nursing homes, senior housing, and group homes to install back-up generators	17.1%	25
Fix drainage problems that cause flooding on roads	16.4%	24
Keep development out of flood plains and other environmentally sensitive areas	14.4%	21
Strengthen regulations to ensure development does not create drainage or ground water problems	11.0%	16
Improve local maps to better identify areas vulnerable to natural disasters	11.0%	16
Ensure that dams are routinely inspected and maintained	8.2%	12
Analyze potential snow load problems on local buildings	4.1%	6
Analyze the potential for forest and wild fires in the community	2.7%	4
Acquire and remove buildings that flood repeatedly	2.1%	3
Identify buildings and structures that might be susceptible to earthquake damage	2.1%	3
Encourage residents and businesses to purchase flood insurance	1.4%	2
Encourage residents and businesses to flood proof their buildings	0.7%	1
Enact a drought ordinance	0.0%	0

We also examined the most frequently selected measures by municipality. These are highlighted in the charts on the following pages. Responses are shown for each Capitol Region municipality which had at least resident responding to Question 2.

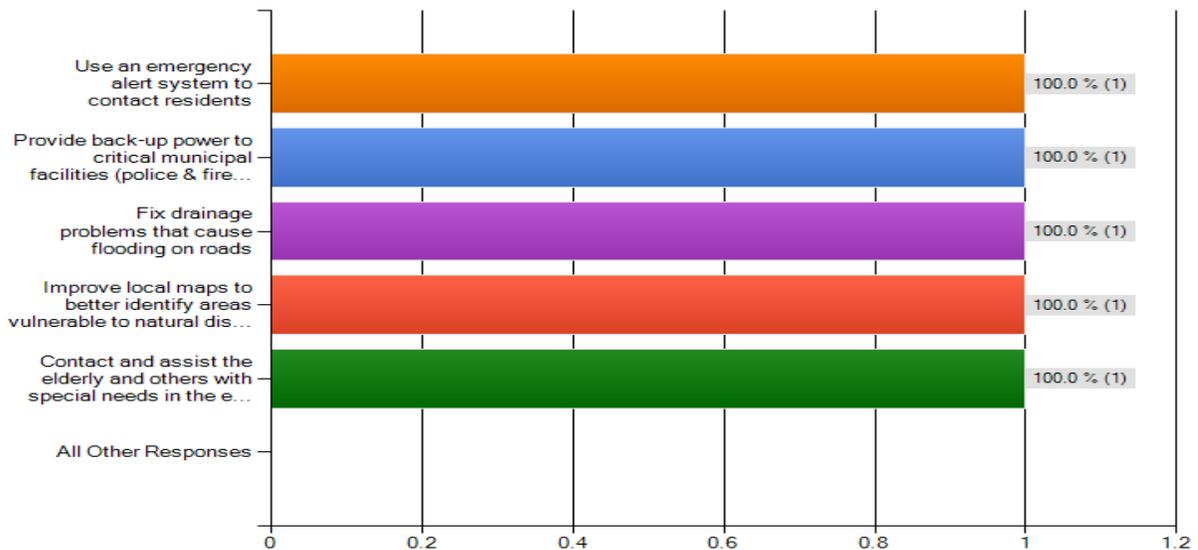
Avon Residents (7 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



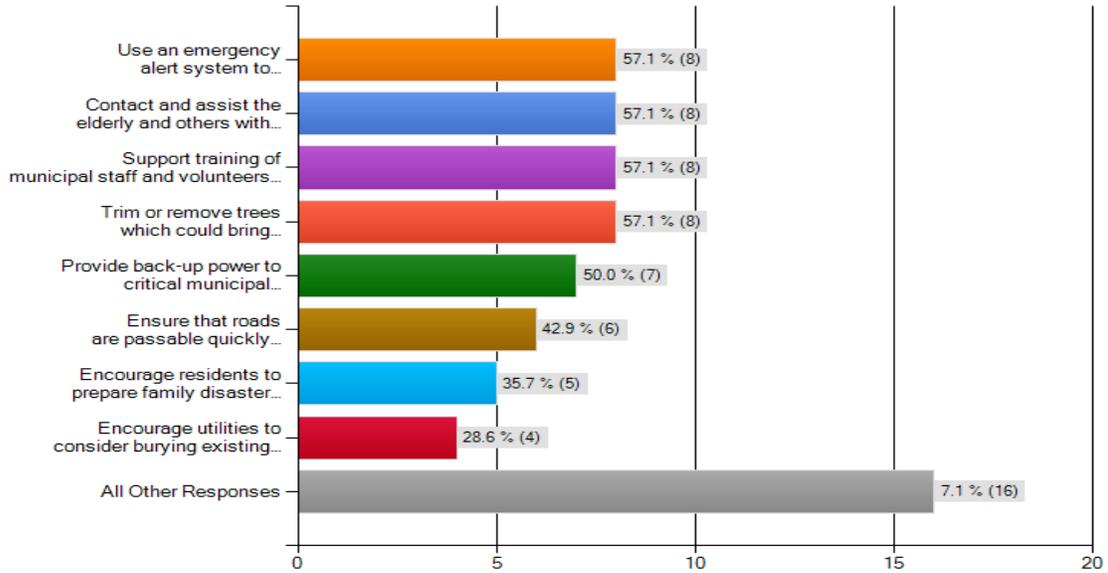
Bloomfield Residents (1 respondent):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



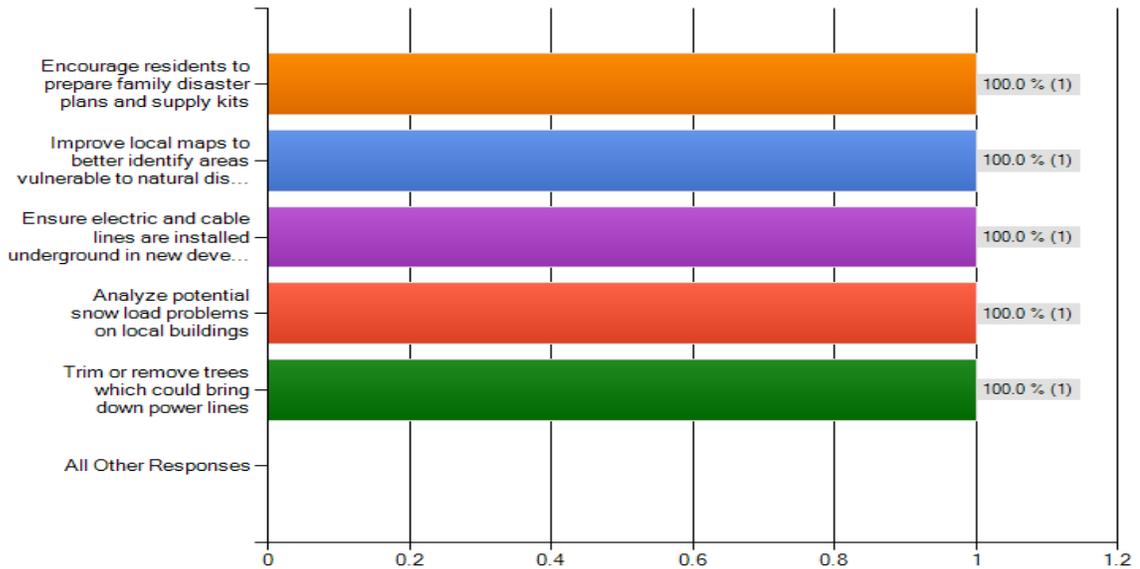
Canton Residents (14 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



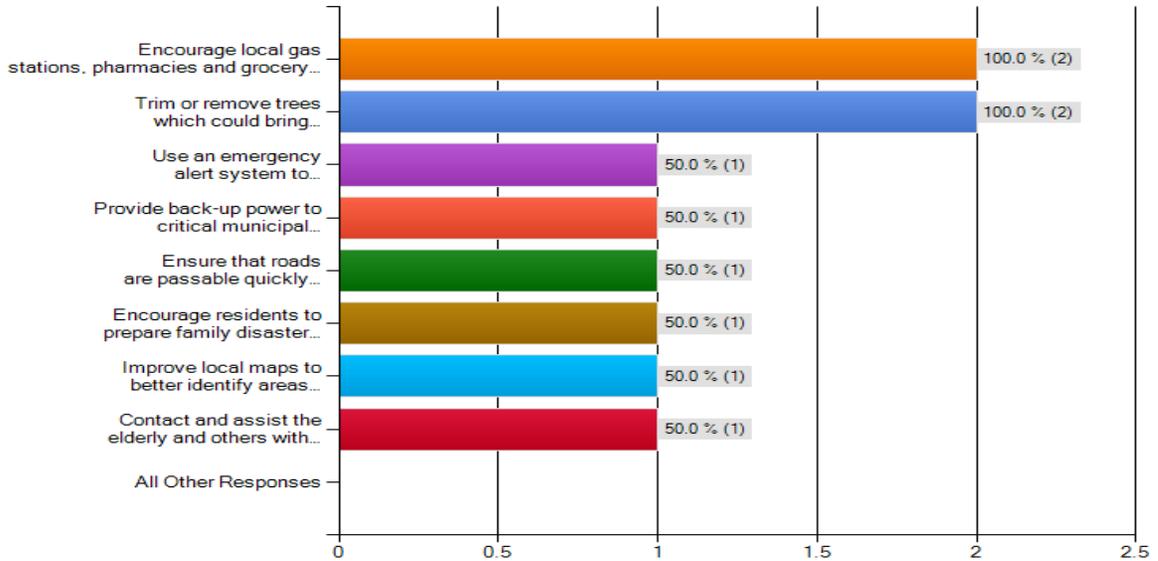
East Hartford Residents (1 respondent):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



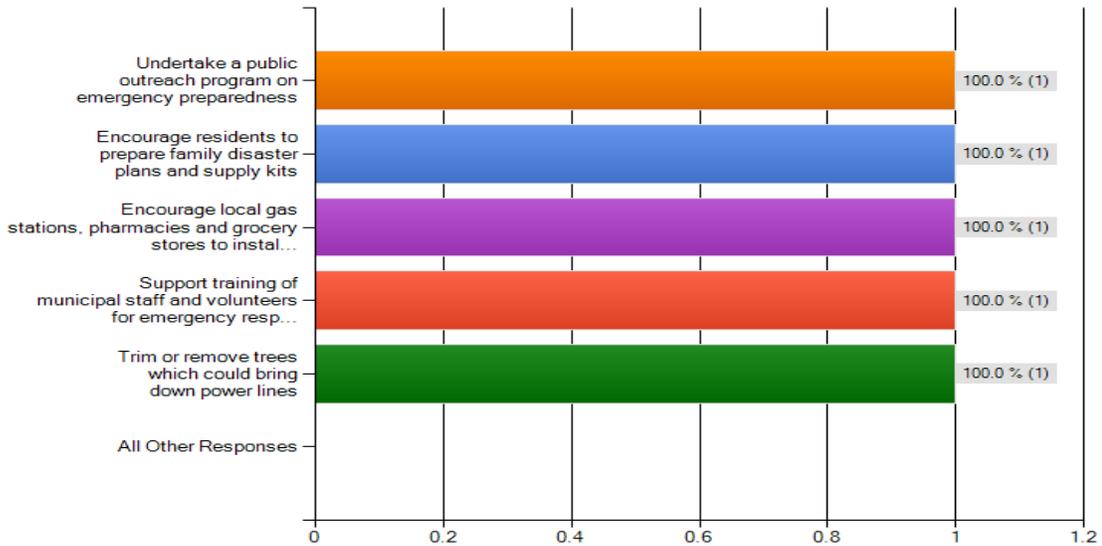
East Windsor Residents (2 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



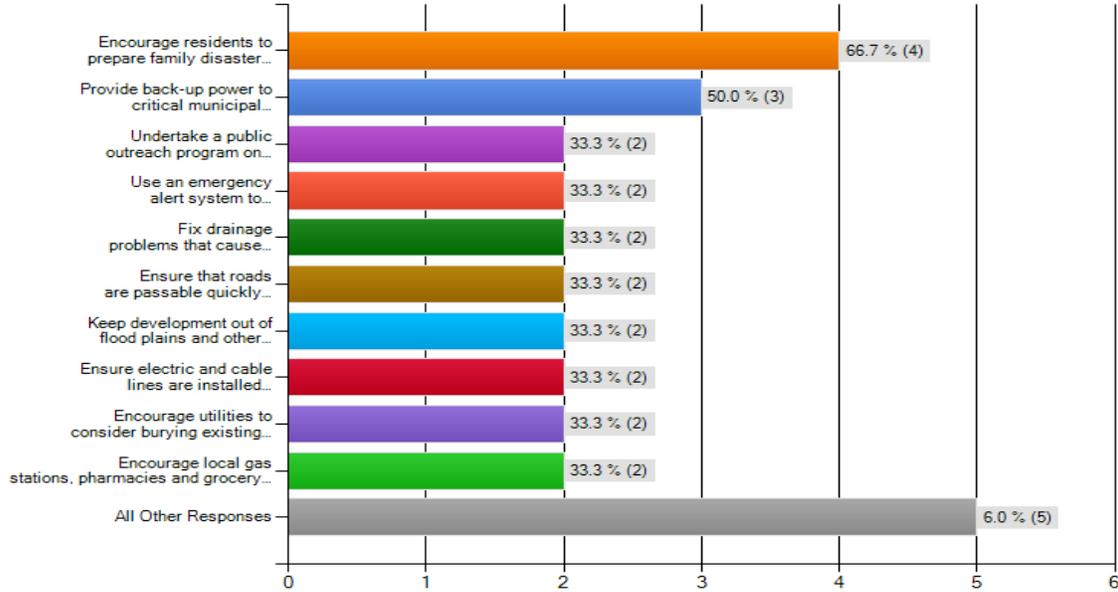
Ellington Residents (1 respondent):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



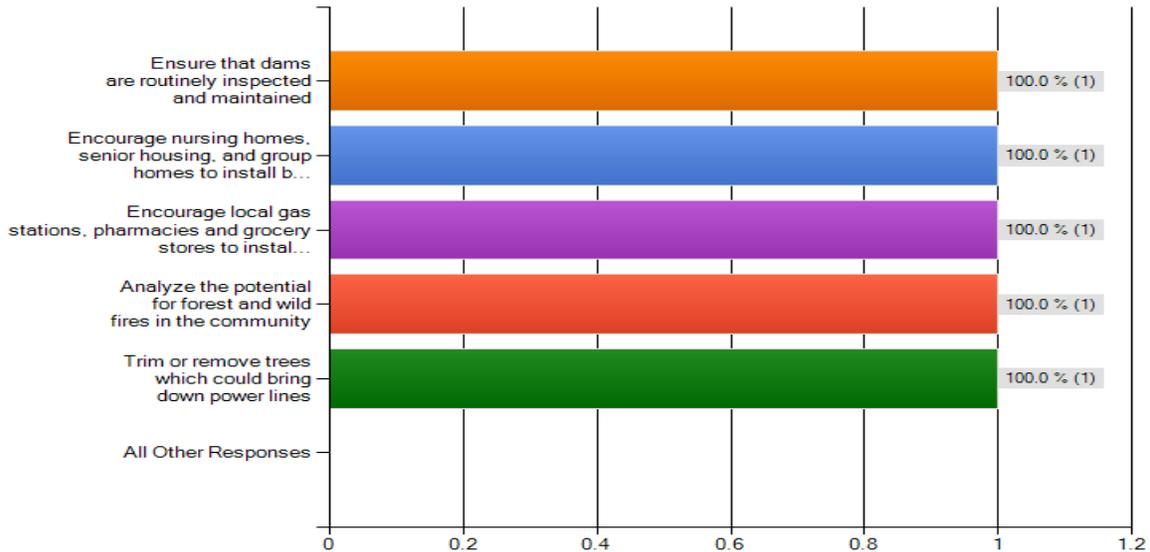
Enfield Residents (6 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



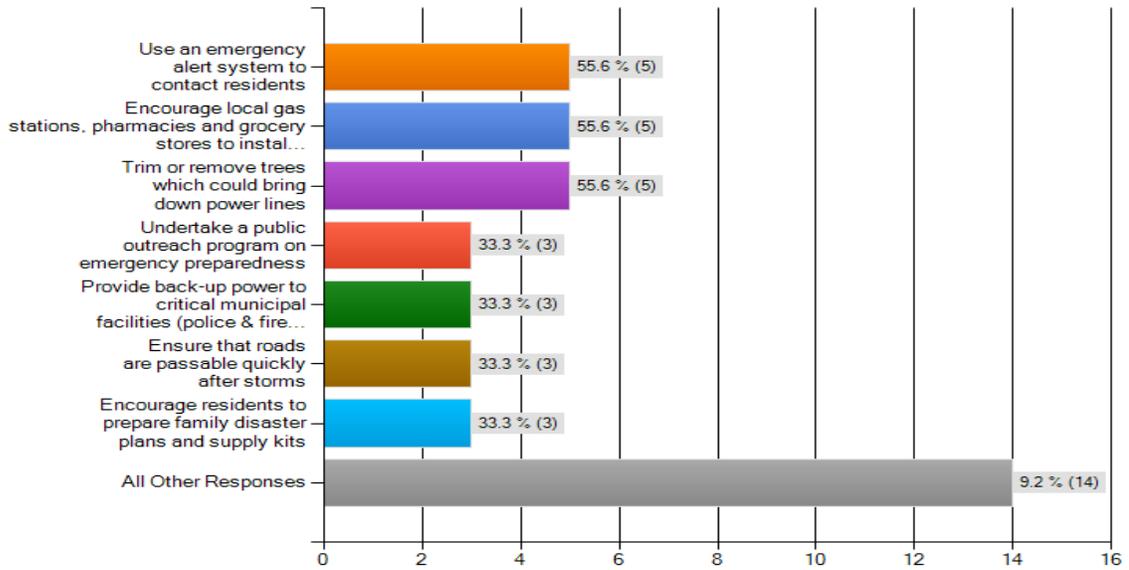
Farmington Residents (1 respondent):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



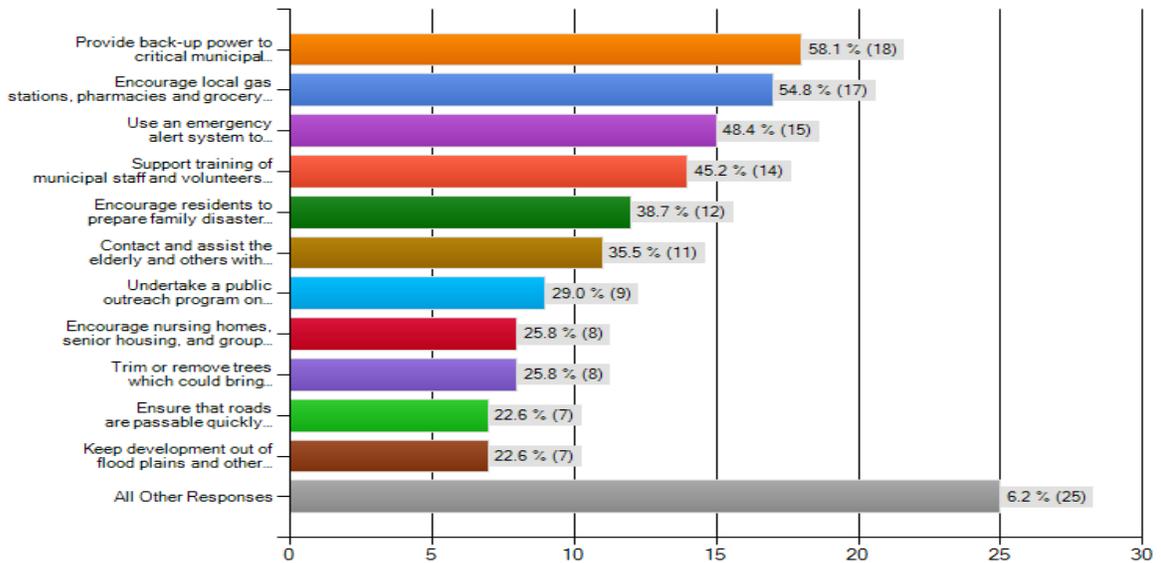
Glastonbury Residents (9 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



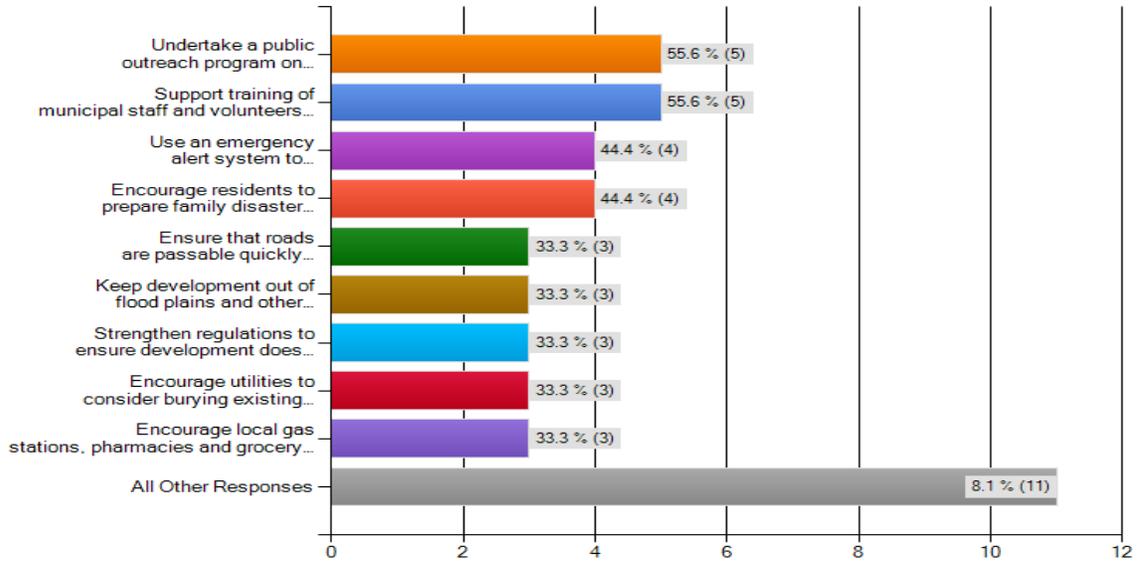
Granby Residents (31 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



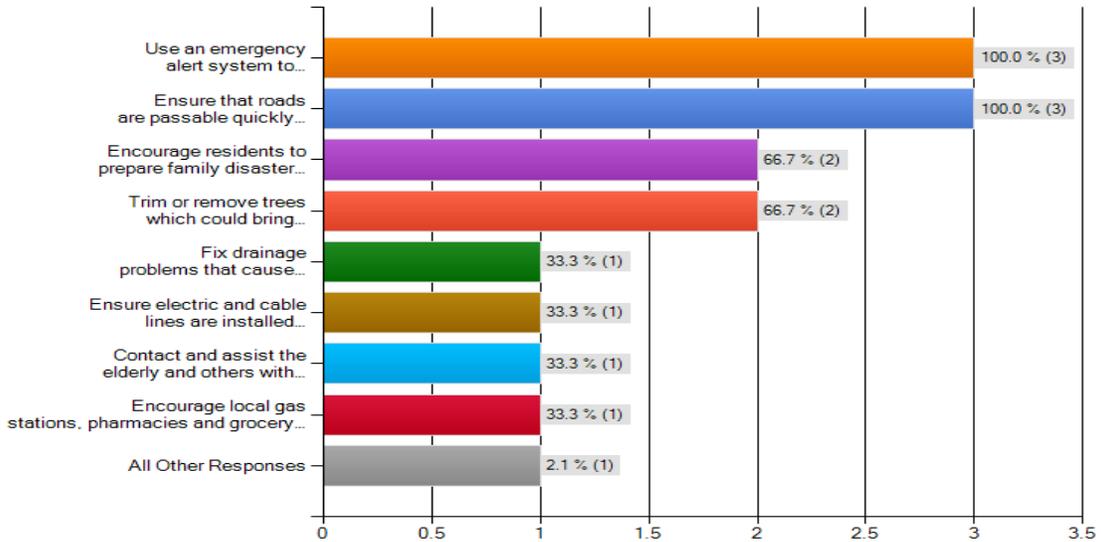
Hartford Residents (9 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



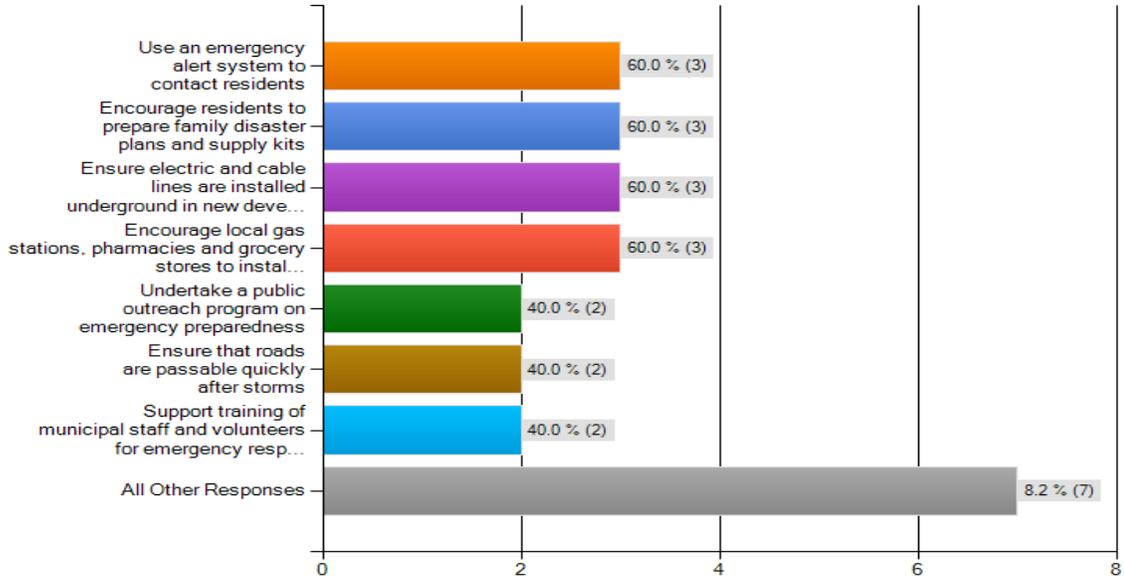
Hebron Residents (3 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



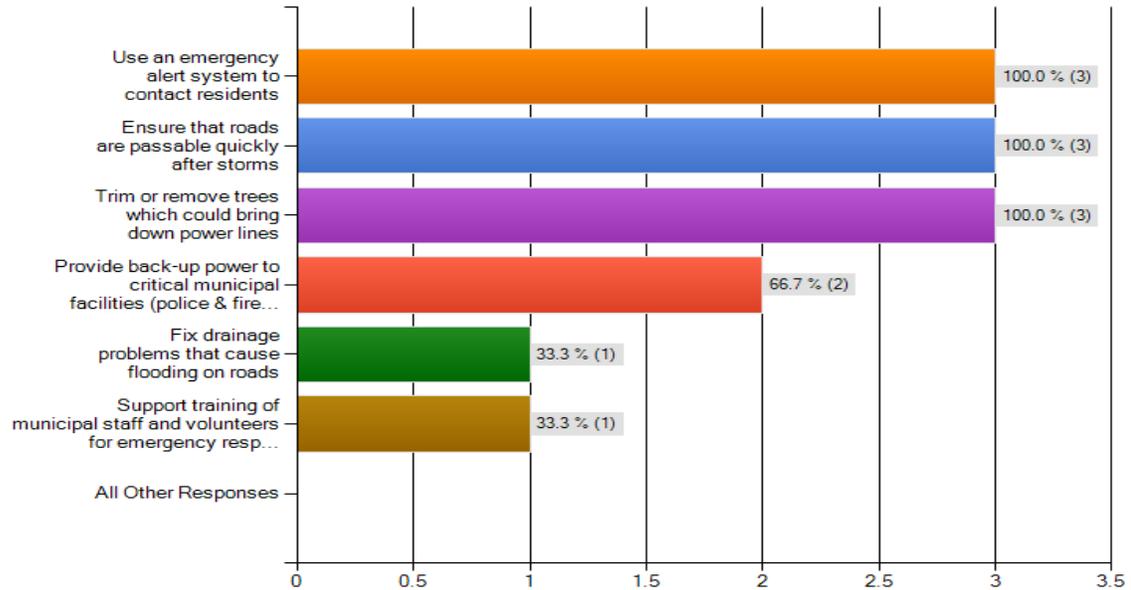
Manchester Residents (5 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



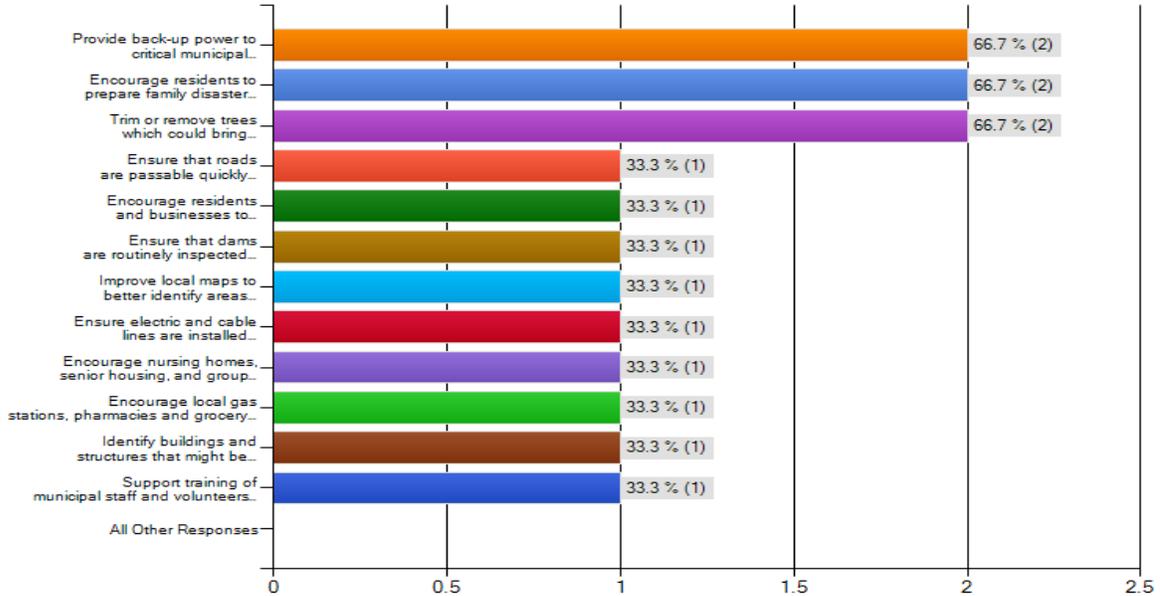
Marlborough Residents (3 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



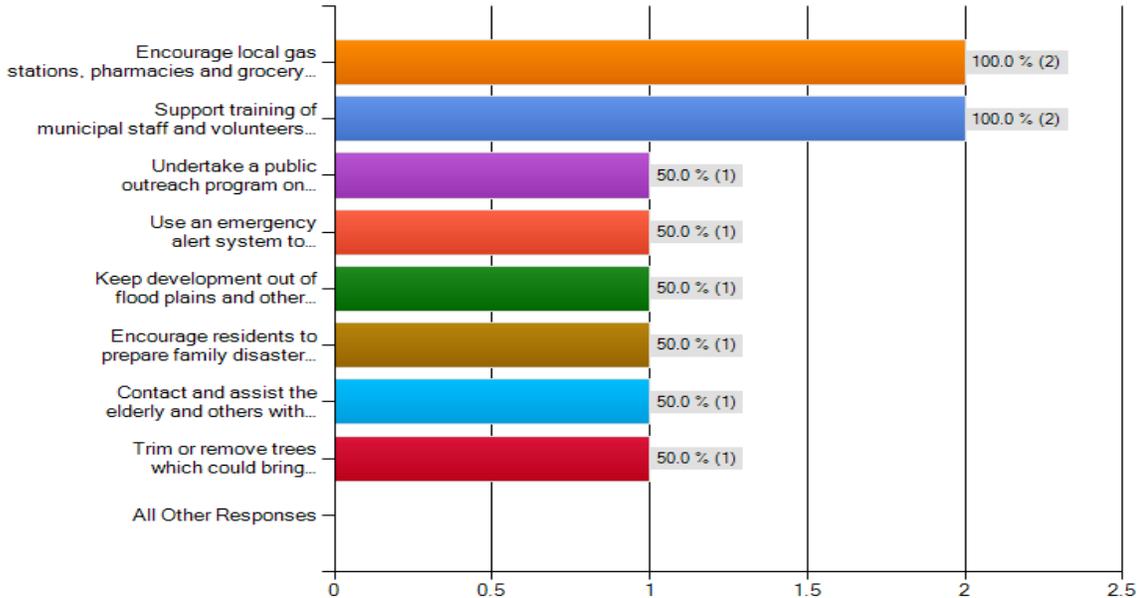
Newington Residents (3 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



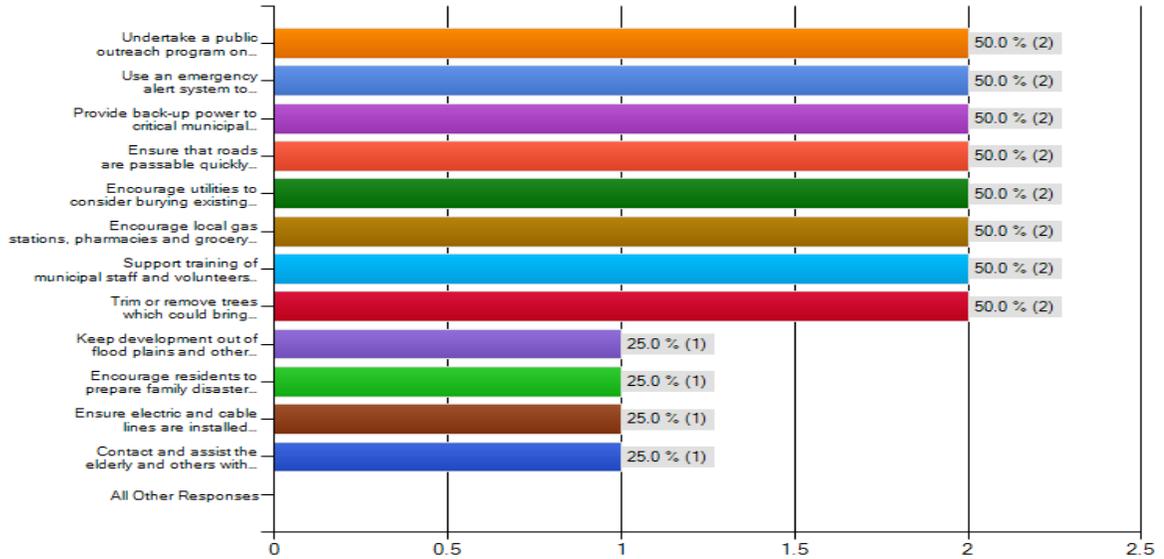
Rocky Hill Residents (2 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



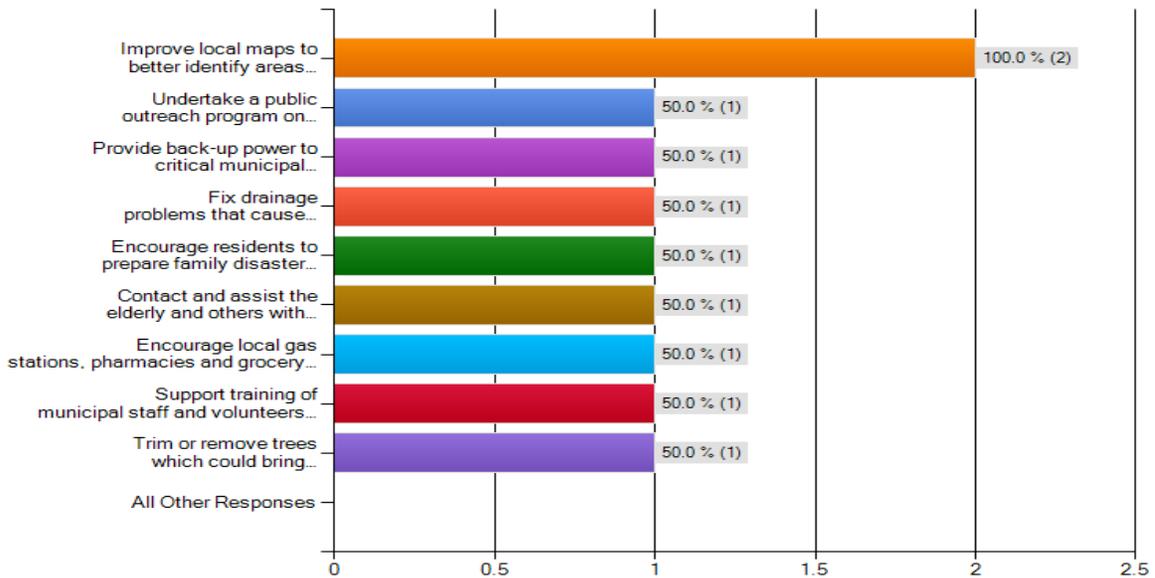
Simsbury Residents (4 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



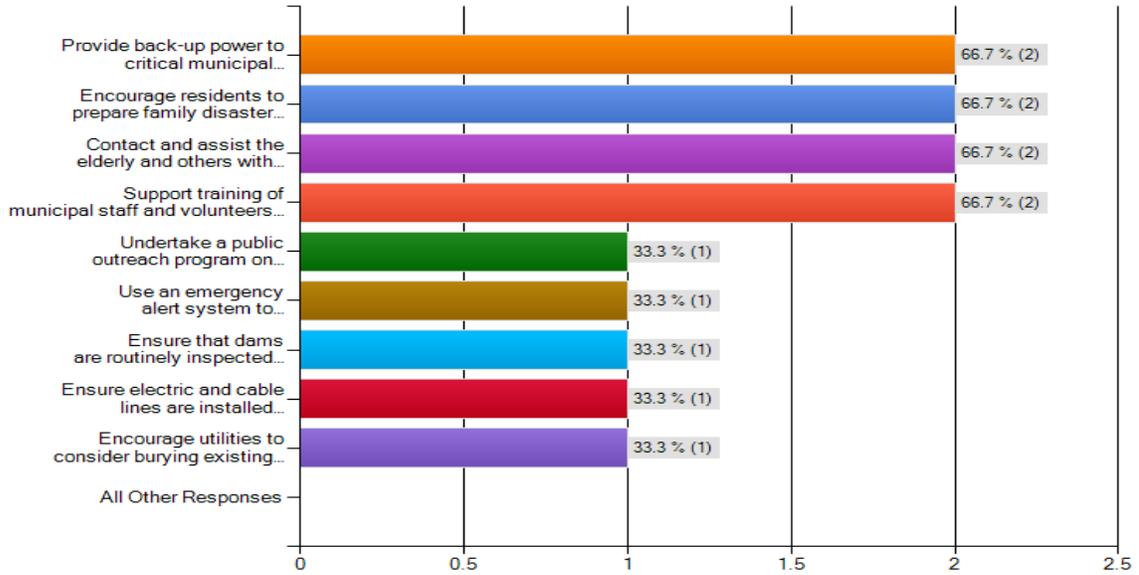
South Windsor Residents (2 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



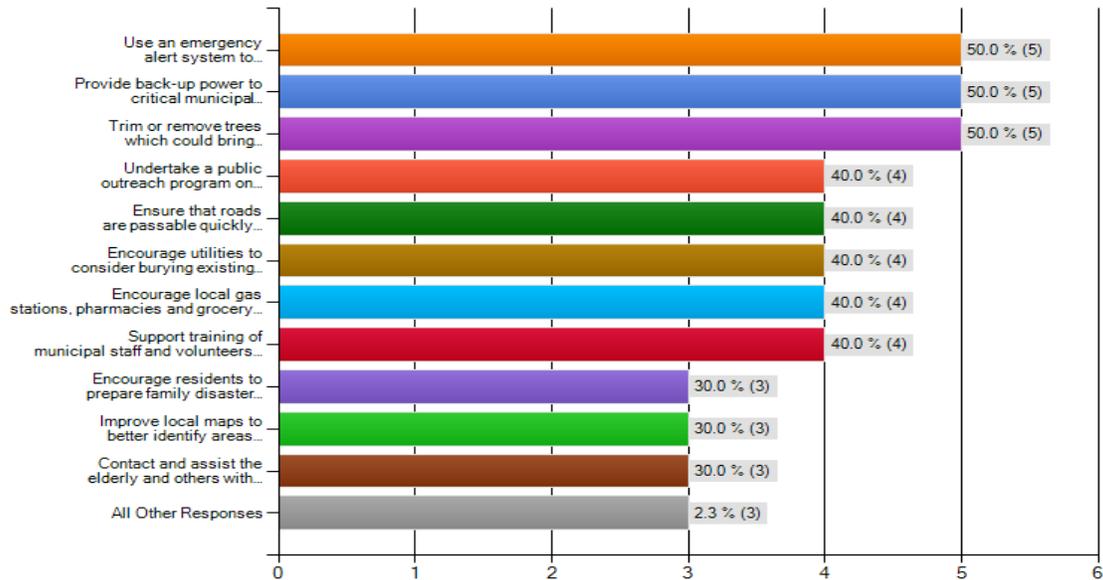
Suffield Residents (3 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



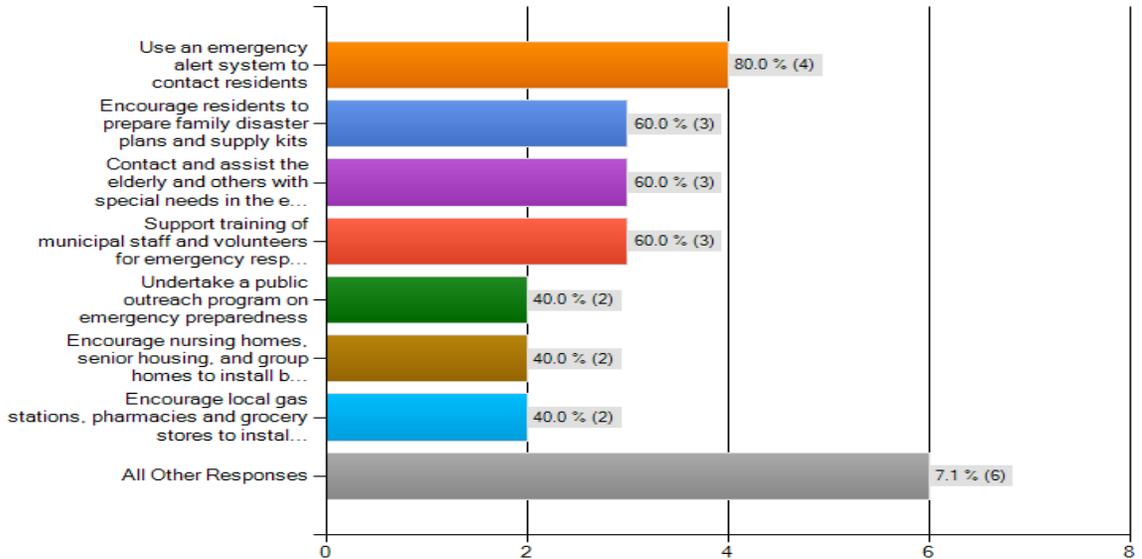
Tolland Residents (10 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



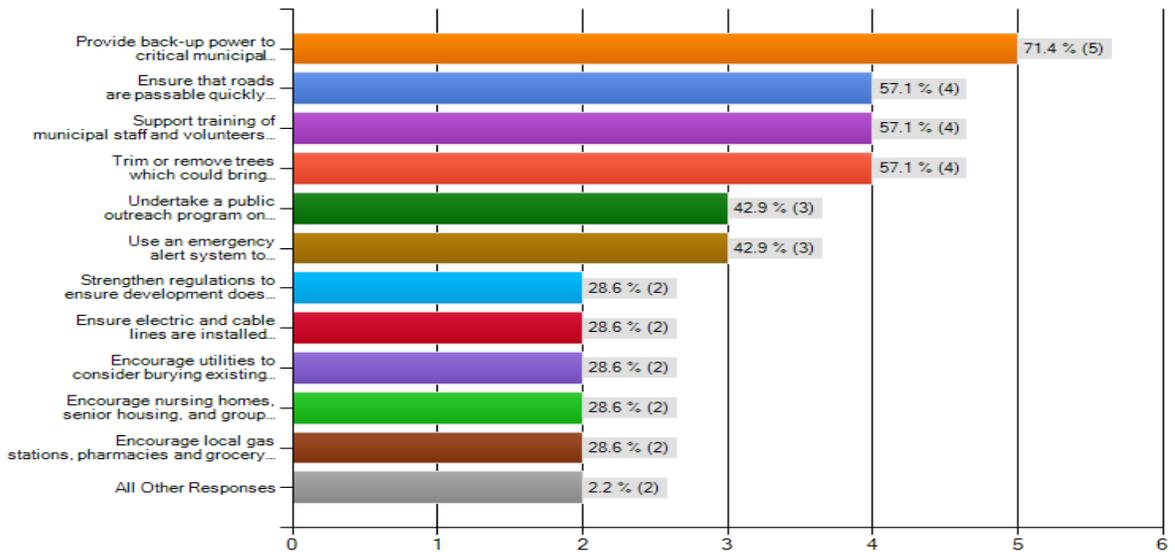
Vernon Residents (5 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



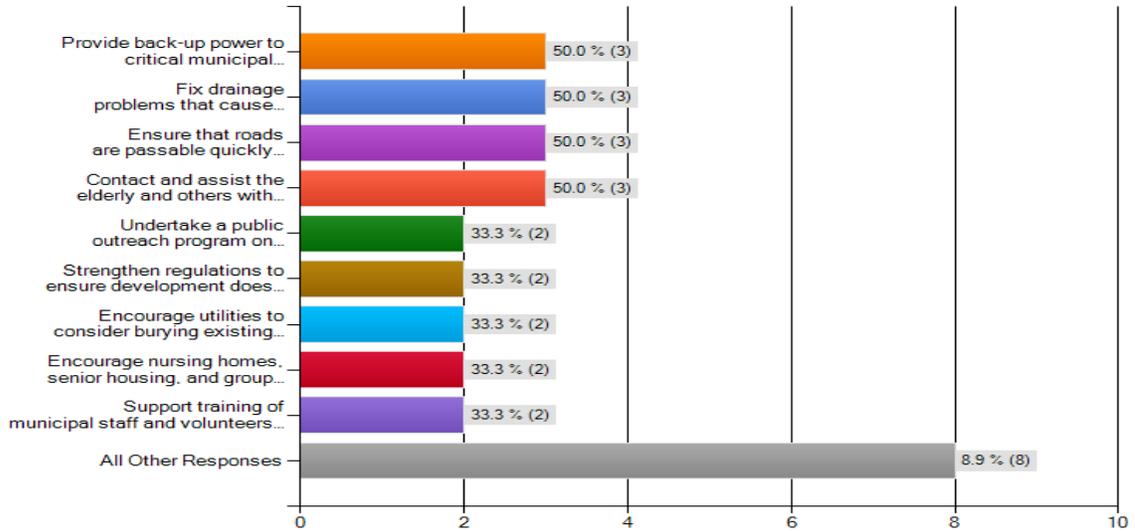
West Hartford Residents (7 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



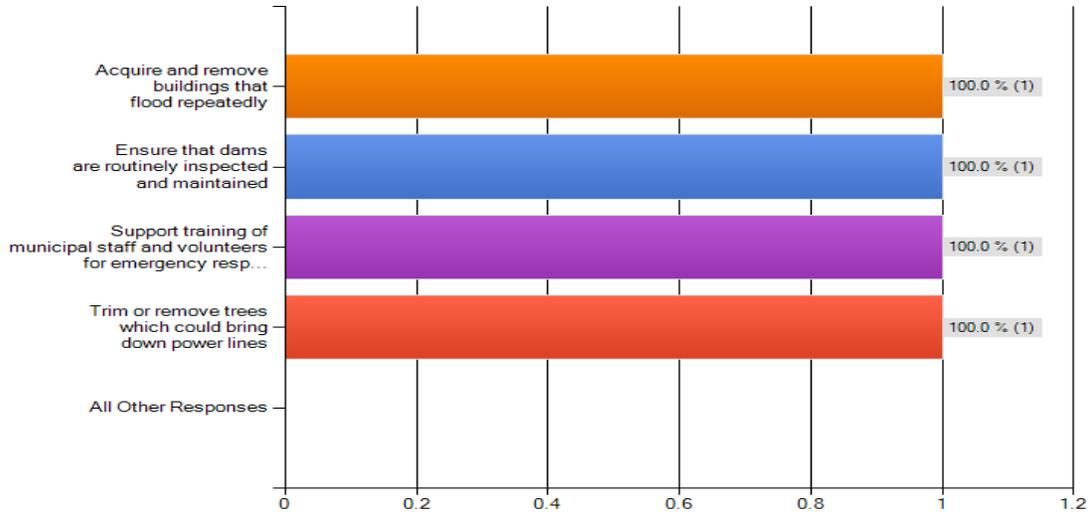
Wethersfield Residents (6 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



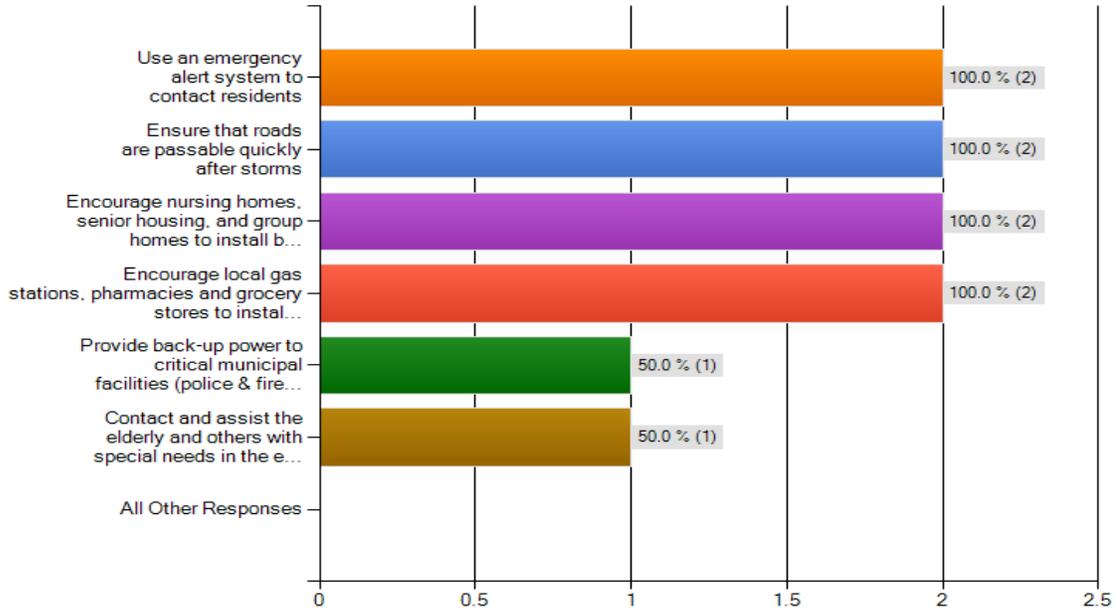
Windsor Residents (1 respondent):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



Windsor Locks Residents (6 respondents):

From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters. (Please check only five.)



Question 3 asked, “Are there any other measures you think your town or city should undertake to prevent or lessen the impact of natural disasters?” This question gave respondents an opportunity to add additional measures not included in the list of measures in Question 2 or to highlight additional choices from Question 2 they were not able to vote on. (Question 2 allowed only five choices; respondents could not select more than five measures.) The table below lists the responses received by place of residence.

What town or city do you live in?	Are there any other measures you think your town or city should undertake to prevent or lessen the impact of natural disasters?
Avon	Make sure the fuel infrastructure is better prepared.
Avon	Look into better solar flare and tornado warnings.
Avon	1) Why are we limiting our planning to "natural" disasters? 2) Shelters should be within WALKING distance, so is better to have lots of small assistance stations, and everyone in that area should know where they are.
Avon	Avon has done a very good job.
Avon	Trim trees and bury power lines on major roads
Canton	Encourage residents to prepare disaster plans and supply kits. Improve power grid to lessen damage to power lines during disasters.
Canton	Planning for contacting people when power is out.
Canton	Clear dead limbs during normal work days. Clear drains of leaves.
Canton	Encourage utility companies to bury new and existing electrical lines and cables.

Canton	Volunteer phone chains; block captains to check on at-risk folks Engage amateur radio operators and conduct annual drills. My call is WA2AHA, I'm trained in emergency communications, and I'd be happy to help. Prioritize and energize critical business and government infrastructure: fuel, food, public safety sites, medical. Just do those and make sure they have non-interruptible energy.
Canton	No
Canton	The reverse 911 messaging (in place already) is much appreciated. During the recent October snow storms and power outages, town residents were told to check the town's website for information. But, with the prolonged power outages, most residents lose access to the internet. Therefore, more information via the State's Department of Public Safety phone registry sent to phones with text messaging capability might be beneficial. Periodic text messages with information/updates would have been handy during the recent two October snow storms.
Coventry	Make people aware of potential dangers and the risks, help may not be available for an extended period of time, so think before you act.
East Hartford	No
East Windsor	Install early warning systems in the event of hazardous weather (tornados).
Ellington	Increase CERT funding.
Farmington	Ensure that generators in municipal facilities are in good working order.
Glastonbury	More generators for public buildings, schools, etc.
Glastonbury	Staff all public service early for an immediate response once the area is safe to do so.
Glastonbury	There really isn't a lot that can be done prior to the disaster to lessen the impact, but maintaining links of communication through the recovery period needs to be made as reliable as quickly as possible.
Granby	Sick or injured persons cannot get to a hospital when roads are blocked yet no provision is made to establish local treatment areas. Utilize nursing home & staff for first aid area supported by local EMS and local resident MDs & RNs.
Granby	Public works projects and \$ from all sources.
Granby	Make a list of possible volunteers.
Granby	Make preparations for pets (sheltering).
Granby	Back-up emergency communications.
Granby	prepare a better shelter for the people
Granby	A number should be (illegible). Need to review & study (illegible) done so.
Granby	Have backup generators at Senior Center and High School to house people when long term power outages happen
Granby	Choose a better sheltering plan. The town hall was not large enough.
Granby	Improve the shelter facilities.
Granby	Town web site should be updated quickly so residents can understand what progress is being made.
Granby	Be certain to reach out to those on the outermost fringes of town. Granby is a large town area-wise and the town and state public works crews often neglect the roads and other facilities away from the center area. Sure the center is important, but so is Rt 20 West of town and Route 189 North of town, and ALL the town roads off them. This happens every snowstorm; in fact once we had to call public works because they didn't even know it was snowing in North Granby and the school buses were sliding!
Granby	Practice better planning and execution of the town's emergency operations plan. Develop an actionable (not ad-hoc) shelter plan. Learn what an EOC does and practice its use.

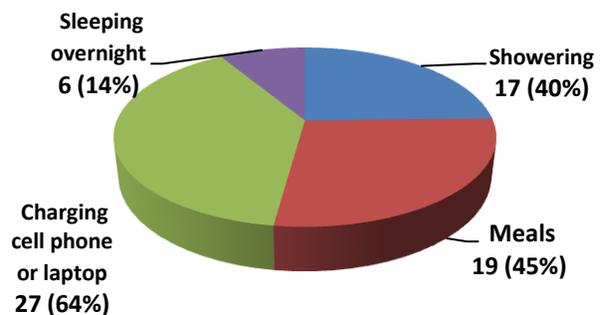
Granby	Communication to residents is very important. When phones are out and power is out it is important to have a way to get instructions and information out to people.
Granby	Any encouragement for citizens to help themselves should be done. Laws no.
Granby	Be prepared to have all schools available for housing with medical assistance in the event of a major disaster.
Granby	Ensure that all power lines, etc. are buried or trees that might bring down lines are removed.
Granby	1. Encourage neighborliness- it worked wonderfully well in the last big storm on Strong Rd! 2. Have sirens appropriately placed, and different rhythms for different emergencies, then educate the people as to what the rhythms mean. Not everybody watches their computer all the time.
Granby	Need to make sure that there are adequate means of caring for pets in shelters to encourage people to utilize shelters in extreme emergencies.
Hartford	Streamlining of resources within the city might aide in the great need during natural disasters.
Hartford	No
Hartford	Continue to improve communication to keep public informed & updated on what is happening. Good & honest communication is key.
Hartford	Provide communication centers/ charging stations for cell phones so citizens can make contact with a family member.
Hartford	n/a
Hebron	Hebron should look more closely at trees along all the roads and be proactive in removal and trimming. Also should try to enlist more voluntary first response people from the town for natural hazards events.
Hebron	Be sure that shelters take pets.
Manchester	Ensure that emergency funding for disasters is available
Manchester	Strengthen building codes to reduce damage from wind & snow load.
Manchester	Keep enough Police and Firefighters on duty to handle the post impact issues.
Manchester	Renovate windows to hurricane force protection, find a way to have utility poles that are major points be metal versus wood poles.
Marlborough	Tree trimming.
Plainville	IDK
Rocky Hill	Strengthen development regulations to prevent any development in floodplains that will lead to a rise in water surface elevations
Simsbury	Regional out source to surrounding towns.
Simsbury	More fully engage in common solutions to common problems, examine Regional approaches all would benefit from, e.g. sheltering, emergency response and support.
South Windsor	Institute CERT teams; equip public works with tree trimming and removal trucks during storms.
South Windsor	Many good suggestions in the previous section. Local shelters will help in emergency response. Generally, ordinances will push preventative measures to be taken. Low impact development will help reduce flooding potential.
Storrs	Be prepared- establish training programs throughout the year with police, fire & CERTS. Good communications between town & citizens - very important.
Suffield	Trim or remove trees which could bring down power lines.
Suffield	Stock pile water and food.
Tolland	More of the right equipment to handle the job.

Tolland	Tolland should have an effective staff for snow removal and develop a multi-year tree removal plan for neighborhoods at risk of being cut off from emergency services.
Tolland	Contact directly and include school districts in the plans. Better coordination/cooperation/communication between educational & municipal folks all around but especially for pre-planning and event management.
Tolland	I just became certified in the town of Stafford as a CERT (Community Emergency Response Team) member and am hoping Tolland will start their own CERT team. I would join the Tolland team if they had one. Most if not all the surrounding towns have a CERT team, and it is free to everyone/government sponsored. At the very least, Tolland citizens will have more knowledge for themselves and their families as to what to do in the event of a crisis.
Tolland	Public awareness. Identify people in neighborhoods that can help neighbors in disasters. Identify the best ways to pass out info.
Vernon	Bury power lines - why I didn't check it off on the front is because of the expense - probably would not be feasible. But, I think if we could do it the money saved, not dealing with power outages and all its effects would save us millions over the years.
Vernon	A town's emergency management director's position needs to be a full time position. There are too many things from the annual plan review, state and local meetings, necessary coordination with vulnerable populations to prepare for their needs, to be met by a part-time EMD.
Vernon	Fund volunteer organizations that could assist in emergencies.
West Hartford	Education and communication.
Wethersfield	Teach people to prepare for disaster.

Question 4 asked respondents what type of building they lived in. Of the 132 respondents answering this question, 111 or 84% said they live in a single-family home. Nine respondents (7%) live in two or three family homes and twelve (9%) live in multi-family homes. Five of the respondents living in two and three family homes were Hartford residents, three were Granby residents, and one was a West Hartford resident. Nine of the respondents living in multifamily homes lived in suburban Capitol Region municipalities. One lived in Hartford and the other two lived in cities outside the Capitol Region.

Question 5 asked respondents if they had ever used a local shelter for showering, meals, charging a cell phone or lap top, or sleeping overnight. Respondents were able to select any or all of the choices.

Forty-two of 147 respondents indicated they had used a local shelter for one or more of these reasons. Of the 42 respondents, 27 or 64% used a local shelter for charging a cell phone or laptop; 19 or 45% obtained meals at a shelter; 17 or 40% showered at a shelter; and six or 14% slept overnight at a shelter.



Eleven residents of Granby said they had used a local shelter: six had showered at the shelter; four had gone to the shelter for meals; three had used the shelter for charging; and two had slept overnight at a shelter. Four Avon residents said they used a local shelter: all four indicated they had used the

shelter for meals and charging. Two also used the shelter for showering. Three Glastonbury residents said they used a local shelter: all used the shelter for charging; two used the shelter for meals, two for charging, and one for sleeping overnight. Two residents from Canton, Enfield, Manchester, Marlborough, Simsbury, Storrs, Tolland, and Wethersfield also indicated they had used a local shelter.

Question 6 asked respondents if they needed to go to a shelter in the event of a natural disaster, would they be willing to go to a multi-town shelter. One hundred thirty-one people responded to this question. Overall, there was a strong support for the use of multi-town shelters. Ninety-six or 73% expressed a willingness to use a multi-town shelter; 35 or 27% said they would not be willing to go to a multi-town shelter. Of the 131 respondents to this question, 124 were residents of Capitol Region municipalities. Of the Capitol Region residents, 90 or 73% indicated a willingness to use a multi-town shelter and 34 or 27% indicated they would not be willing to use such a shelter. The table below details the willingness of Capitol Region residents to use a multi-town shelter by municipality. As seen in the table, willingness to use a multi-town shelter varies greatly from town to town; however, because of the small number of people responding from most of the towns, caution should be exercised in the use and interpretation of individual municipal results.

Willingness to Use a Multi-Town Shelter							
Place of Residence	Willing (Yes)	Not Willing (No)	Percent Willing to Use Multi-Town Shelter	Place of Residence	Willing (Yes)	Not Willing (No)	Percent Willing to Use Multi-Town Shelter
Avon	4	3	57%	Marlborough	3		100%
Bloomfield	1		100%	Newington	2		100%
Canton	10	2	83%	Rocky Hill	2		100%
East Hartford		1	0%	Simsbury	2	2	50%
East Windsor	1	1	50%	South Windsor	1	1	50%
Ellington	1		100%	Suffield	2		100%
Enfield	2	3	40%	Tolland	6	4	60%
Farmington	1		100%	Vernon	3	1	75%
Glastonbury	6	3	67%	West Hartford	6		100%
Granby	20	7	74%	Wethersfield	5	1	83%
Hartford	5	2	71%	Windsor		1	0%
Hebron	3		100%	Windsor Locks		1	0%
Manchester	4	1	80%	Capitol Region Residents Total	90	34	73%

Question 7 asked if there are any specific areas, buildings, structures, or groups of people in the respondent's town or city that they thought were especially vulnerable to the impacts of natural disasters. Respondents were also asked to explain why they are concerned. Responses to this question will allow municipalities to identify specific areas or populations of concern and gain insights into community priorities. The responses are listed below by place of residence.

What town or city do you live in?	Are there any specific areas, buildings, structures, or groups of people in your town or city that you think are especially vulnerable to the impacts of natural disasters? Please tell us why you are concerned.
Avon	Pets are usually forgotten in an emergency.
Avon	Elderly and poor

Bloomfield	No
Canton	Those who rely on power for life support equipment. Those who live in isolated areas, particularly, elderly, singles, disabled.
Canton	I've seen rain, wind, snow. All were ok but need to be prepared for site specific emergencies. I think a plan for housing needs to be addressed. Not sheltering but housing.
Canton	21 Dowd is elderly people living on their own.
Canton	Town Bridge. It's frail. Folks at Cherry Brook and 21 Dowd. They cannot take care of themselves. The sewage plant Rte 44 from Dyer to Buttonwood. It's low, close to the river, and there's no way around it. Maybe pave Indian Hill Road up the hill past Frey Rd.?
Canton	Elderly and disabled housing tenants because they can't have generators or woodstoves...anything like that.
Canton	No
Canton	The elderly mostly, and the disabled need additional attention. From recent personal experience with my parents in the late 80's and still living alone in their home, they tend to be more reluctant to ask for help or leave their dwelling to seek better shelter during an emergency. Without intervention from family/friends/public safety officials, the elderly tend to be more tolerant of unsafe living conditions and thereby place themselves at great risk of injury or death. Specific contact and assistance if needed, from a public safety official would likely reduce the risk to this vulnerable group.
Coventry	Yes, the people who depend on state programs to live life, when programs get suspended; they have no clue how to do things on their own. We seem to see this in high populated urban areas, where people lack basic survival skills. Human nature is to react to a situation, such as hours before a storm, or minutes after, prepare and readiness should always be on a family's mind. Whether you are at work, home or vacation, you should always think SAFE!
East Hartford	The homeless.
East Windsor	North and south water streets. Right along the Connecticut River.
Enfield	Group homes do not have generators. Difficult population to place in a strange environment.
Enfield	Flood zones need identification and monitoring. Would like to see a proactive approach to possible flooding.
Glastonbury	Elderly alone in their homes.
Glastonbury	Elderly & special needs.
Glastonbury	Those with medical issues don't plan ahead for extended power failures. Once a concern has been identified they should take action to evacuate until the disaster is over. Enact an ordinance to ensure those with fire hydrants are responsible to shovel them after snow storms. Residents with gas appliances need to be made aware that they need to clear the vents of the appliance after snow storms.
Glastonbury	Heavily wooded areas are most vulnerable to damage and become inaccessible to rescue and cleanup teams.
Glastonbury	We live in a heavily wooded area in Glastonbury which has been impassable on occasion which is particularly hard when thinking about fire safety (we do not have fire hydrants in our neighborhood) and emergency medical care (our son has life threatening food allergies). We have also cared for our 90+ year old great aunt during the past couple of storms, bringing to our home prior to onset and even though her power went back on we couldn't get her back home.
Glastonbury	Lots of cul de sacs which only have one way out.

Granby	Elderly housing, nursing home may need prompt management response
Granby	Elderly located throughout town, older homes located in floodway. Natural disaster response not included, Title is mitigation to help resist effect of disaster, i.e., strengthen existing dams, create flood control projects such as dry ponds, lakes, etc.
Granby	Seniors, particularly those in nursing homes.
Granby	Seniors; handicapped & nursing home; assisted living; blind/deaf; food/meals - need shelter (illegible) etc
Granby	Convalescent Home. Where would they go and how would they all get there?
Granby	Are the trees well trimmed at Stateline Propane and similar businesses, or are storage tanks, etc in jeopardy?
Granby	Medical patients on critical life support devices.
Granby	Meadowbrook seems very low relative to the waterways in the area, as are others along the same stretch of Route 10. And for the resident of Meadowbrook, I hope the facility has proper plans in place to deal with the residents.
Granby	Animal Shelter (flood) All school buildings (no or limited back-up power)
Granby	Stony Hill Village.
Granby	The elderly and those with special needs. Anyone in rehabilitation facilities.
Granby	1. I do not feel that plastic garages, shelters, etc are appropriate to this area. 2. There has to be a pet friendly emergency shelter 3. Compile a list of farms, buildings, etc. that can and will take in temporary animals in various areas, and have it available on the emergency alert system. *Read "Horses of the Storm" by Ky Evan Mortensen (Katrina) - includes Emergency Preparedness Guide.
Granby	Communications because of lack of power and/or limited frequencies and range
Granby	Nursing home residents and seniors in senior housing.
Hartford	Elderly - management of their med's and/or basic needs and Youth - safety and recreation.
Hartford	The elderly because many require special medical needs.
Hartford	The disabled or elderly. Shelter cots are not usually conducive to their needs. People with pets may run into problems at shelters.
Hartford	It takes the city too long to clear the roads during the winter storms. When your city can not respond and the citizens are clearing streets themselves after days of being trapped in building.
Hartford	Elderly and residents of high rise buildings, because of inaccessibility when power fails.
Hartford	Seniors -- due to limited mobility, finances etc
Manchester	Elderly, because they can't afford to stock up on supplies and medicine.
Manchester	The poor want a handout after every storm you need to teach them to self reliance and preparedness
Manchester	The downtown areas in my opinion would be most vulnerable in a very high wind situation; the design of the area creates a wind tunnel.
Manchester	Elderly because of mobility mentally challenged because it is over whelming.
Marlborough	Seniors.
Plainville	IDK
Rocky Hill	Nursing homes, group homes, Veterans Hospital, and skilled nursing facility have disabled and vulnerable populations who need additional assistance, particularly when sheltering in place is not an option.
Rocky Hill	Children. Is our community prepared for the special concerns and needs of young children during or after a disaster? Are there supports ready to be deployed? Are there

	supplies for sheltering that will meet the needs of children?
Simsbury	Besides the elderly and handicapped: special needs children and adults suffering from mental illness like anxiety, add, depression or autism.
South Windsor	I am concerned about elderly and disabled persons that may have a harder time evacuating an area or finding supplies/caring for themselves in a situation with limited supplies.
Storrs	The elderly & special needs people. They are most vulnerable & need to be able to reach them, know who they are (special needs) & keep them informed.
Suffield	Special needs people.
Suffield	People down by the river.
Tolland	Town Hall - 1900's school building - vulnerable IT data center. Elderly Housing Complexes - Manpower inferior to evacuate. Interstate - Poor traffic incident management plan.
Tolland	Vulnerable elderly: Pre-identify who they are, where they are, what their needs are/could be. Young families, preschool families - outreach - tell them what resources are available, where they are and how to prepare for emergencies. Much better coordination/cooperation/communication between the educational and municipal folks all around but especially for pre-planning and event management.
Tolland	We don't have a big enough shelter. Our BOE is not on board with planning for natural disasters. Who staffs the schools in case we need to open them?
Tolland	I think that it would be useful if there was a central area that businesses could work via their own computers etc during outages. We opened the chamber during Storm Sandy for all members to use our Wi-Fi to work because we had power. Many members took advantage of it.
Tolland	Crystal Springs - backup generator for water...
Vernon	Elderly/handicapped.
Vernon	We have a lot of Senior Citizens in town - need power for health reasons whether the need for O2 or keeping medicines cool. If power goes out for extended period need to help them address these needs.
Vernon	1. Elderly and handicapped. Lack of shelter supplies and medical folks to deal with their special needs. Pet sheltering is wanting for equipment and trained people to manage pet sheltering. 2. Disconnect between development and hazard mitigation. E.G. building or rehabbing old mills located on rivers and/or class C dams.
West Hartford	Elderly. High population rate and less likely to seek help
West Hartford	Older people; people who do not speak English.
Wethersfield	Ambulance building on Prospect St - that building is a disaster waiting to happen.
Wethersfield	Wethersfield has a very high percentage of elderly. Any plans for hazard remediation and emergency response should include this demographic. They are unique in that many have no transportation, special medical needs and lack of family support in the area.
Wethersfield	Low income, elderly and disabled apartment complexes, especially 100 Executive Square.
Wethersfield	Elderly- may not have access to medications. People with disabilities who need electricity to power medical equipment.

Insights Gained

Survey responses provided important insights for municipal and regional leaders regarding the types of activities the public feels are important to prepare for natural disasters, help prevent the damages caused by natural disasters, and provide services to those affected by natural disasters. Question 2 which asked survey takers to choose the five most important measures they wanted their municipality to take to prevent or lessen the impacts and damages caused by natural disasters, is especially helpful in this regard. Strong support was shown for emergency communications: nearly half of all respondents selected “Use an emergency alert system to contact residents.” Strong support was also expressed for measures which could help restore a sense of normalcy after a significant event. Over 40% of respondents expressed the need for back-up power for critical municipal facilities such as town halls, and police and fire stations, as well as for private facilities that provide important community functions such as gas stations, pharmacies, and grocery stores. Over a third of all respondents also urged municipalities to, “Ensure that roads are passable quickly after storms.”

Support was also expressed for ensuring that the public is prepared for natural disasters. Forty percent of respondents said municipalities should “Encourage residents to prepare family disaster plans and supply kits” and nearly a third wanted municipalities to “Undertake a public outreach program on emergency preparedness.” Support for preparation among those who need to respond in the event of natural disasters was also expressed among many respondents. Forty-three percent supported training of municipal staff and volunteers for emergency response.

Reduction in the potential for power outages was also heavily supported among respondents. Thirty-nine percent supported trimming or removing trees which could bring down power lines. Support was also shown for undertaking other measures which could reduce power outages. Nearly 20% wanted utilities to be encouraged to bury existing electric and cable lines and nearly 18% wanted to see electric and cable lines installed underground in new developments.

Concern for the needs of vulnerable populations was also strongly supported. Over thirty percent of respondents selected “Contact and assist the elderly and others with special needs in the event of natural disasters.” Also, 17% of respondents wanted municipalities to “Encourage nursing homes, senior housing, and group homes to install back-up generators.” Responses to the open ended Question 7, which asked respondents to identify vulnerable areas, buildings, structures, and groups of people, showed overwhelming concern for vulnerable populations. At least 44 of the 68 responses to this question identified vulnerable people such as the elderly, disabled, and others with medical or special needs in their communities. The need for sheltering pets was also expressed by a number of respondents to this question.

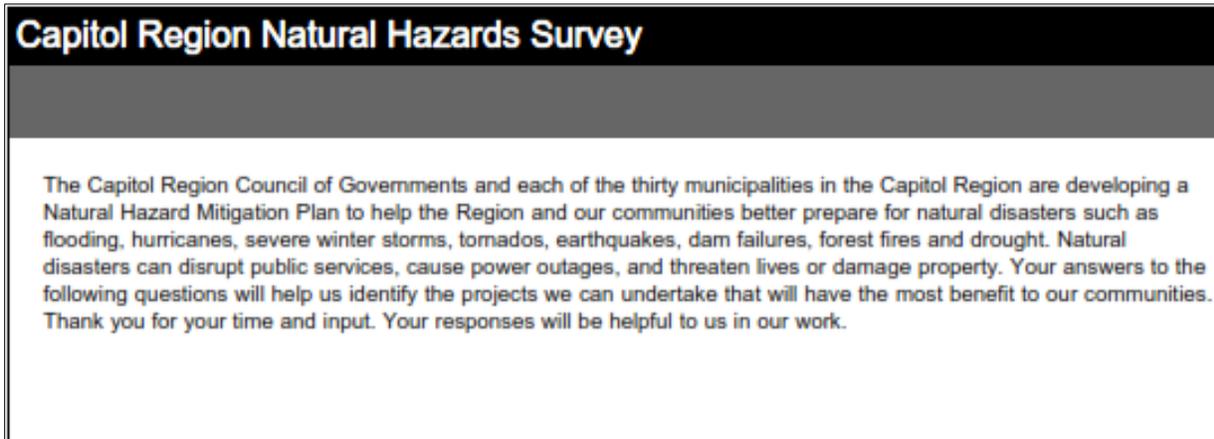
There was not as strong support expressed for a number of measures which could mitigate natural hazards. Less than one-sixth of respondents felt their municipality should: fix drainage problems that cause flooding on roads; keep development out of environmentally sensitive areas; strengthen development regulations; improve mapping to identify vulnerable areas; ensure that dams are inspected and maintained. Even fewer expressed a concern for analyzing snow loads on buildings or the potential for wild fires; acquiring and removing buildings subject to repeated flooding; identifying buildings susceptible to earthquake damage; or encouraging residents and businesses to purchase flood insurance or flood proof their buildings. No one expressed a need for their municipality to consider enacting a drought ordinance.

Certainly our experiences over the past few years with prolonged power outages and blocked roads due to Storms Irene, Alfred, and Sandy, as well as the Blizzard of February 2013, colored the survey takers responses. Also, the lack of recent widespread experience locally with drought, wild fire, and earthquakes influenced responders' choices. However, the perceived lack of support for some measures should also be tempered by the fact that survey takers were limited to selecting only five of 24 listed measures in Question 2. This limitation required responders to prioritize measures without the ability to indicate a ranking among the various measures.

Although most of the survey questions were written to elicit input into municipal concerns, the responses provide direction for the Capitol Region Council of Governments also. CRCOG can play an important role in helping member municipalities undertake the measures the public has identified as being most important. CRCOG can support municipalities through its purchasing council, municipal services, and public safety efforts; organizing or sponsoring training, workshops and other outreach; and advocating for state agency and legislative action to promote and facilitate municipal efforts.

Survey Instrument

The images below display the online version of the survey.



Capitol Region Natural Hazards Survey

*1. What town or city do you live in?

2. From the list below, choose the five most important measures your city or town should take (or continue to take) to prevent or lessen the impacts and damages caused by natural disasters.

(Please check only five.)

- Undertake a public outreach program on emergency preparedness
- Use an emergency alert system to contact residents
- Provide back-up power to critical municipal facilities (police & fire stations, town hall, etc)
- Fix drainage problems that cause flooding on roads
- Ensure that roads are passable quickly after storms
- Keep development out of flood plains and other environmentally sensitive areas
- Strengthen regulations to ensure development does not create drainage or ground water problems
- Acquire and remove buildings that flood repeatedly
- Encourage residents and businesses to purchase flood insurance
- Encourage residents and businesses to flood proof their buildings
- Encourage residents to prepare family disaster plans and supply kits
- Ensure that dams are routinely inspected and maintained
- Improve local maps to better identify areas vulnerable to natural disasters
- Ensure electric and cable lines are installed underground in new development
- Encourage utilities to consider burying existing electric and cable lines
- Contact and assist the elderly and others with special needs in the event of natural disasters
- Encourage nursing homes, senior housing, and group homes to install back-up generators
- Encourage local gas stations, pharmacies and grocery stores to install back-up generators
- Analyze potential snow load problems on local buildings
- Identify buildings and structures that might be susceptible to earthquake damage
- Enact a drought ordinance
- Analyze the potential for forest and wild fires in the community
- Support training of municipal staff and volunteers for emergency response
- Trim or remove trees which could bring down power lines

Capitol Region Natural Hazards Survey

3. Are there any other measures you think your town or city should undertake to prevent or lessen the impact of natural disasters?

4. What type of building do you live in? (check only one)

- Single-family home
- 2 or 3 family home
- Multi-family home (four or more units in the same building)

5. Have you ever used your local shelter for (check all that apply):

- showering
- meals
- charging cell phone or laptop
- sleeping overnight

6. If you need to go to a shelter in the event of a natural disaster, would you be willing to go to a multi-town shelter?

- Yes
- No

7. Are there any specific areas, buildings, structures, or groups of people in your town or city that you think are especially vulnerable to the impacts of natural disasters? Please tell us why you are concerned.

Subregional Public Meetings

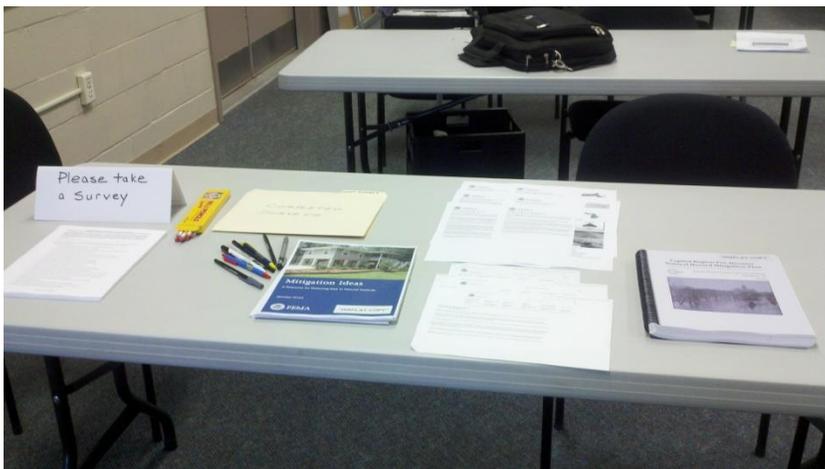
A series of seven public meetings were held in June and July of 2013 to solicit feedback from residents and other stakeholders. The meetings were held in subregional areas which were established based on groupings of contiguous communities which would typically provide mutual aid support to each other and which in many cases hazard vulnerabilities. CRCOG sent meeting notices to various municipal officials including chief elected officials, school superintendents, public housing authorities, planning and zoning commission chairs, CERT leaders, as well as to local libraries, hospitals, colleges, chambers of commerce, news media, utilities, the Red Cross, abutting towns, congressional offices, state senators and representatives, and community organizations. Meeting notices were also posted on the CRCOG website. Each town was also asked to advertise the meeting. Town outreach included postings on municipal websites, press releases, e-mail distributions, announcements at other local public meetings, among other means.

A PowerPoint presentation was made which described the hazards facing the region and the individual communities and described the types of mitigation actions being considered by the region and each of the represented communities. Attendees were asked for if there were any particular areas of concern, including vulnerable populations and facilities which should be considered, and if there were any other mitigation measures they would like to have considered. Attendees were also asked to complete the survey. (Paper copies of the same survey posted online were provided at each meeting site. Responses were entered into SurveyMonkey the following day.)

Following each meeting, a summary of the meeting and a snapshot of survey results to date were prepared. These were sent to the municipal points of contact and chief administrative officials for their consideration in updating their community's strategy. The meeting summaries were also posted on CRCOG's website.

The documents which follow include a typical flyer used to advertise the meetings; examples of municipal advertisements; examples of press reports; meeting summaries from each meeting; and a composite of the PowerPoint presentation used at the meetings.

Typical Materials Provided at Subregional Meetings



Example of Meeting Announcement Flyer

WILL WE BE READY WHEN THE NEXT NATURAL DISASTER STRIKES OUR AREA?



We have a Plan but it needs to be updated. Our existing plan expires in September 2013. Keeping a plan current gives our communities opportunities for FEMA funding for mitigation projects and helps improve our ability to deal with natural disasters and reduce losses.

Now is the time to update the plan.

What's Involved in Preparing a Natural Hazard Mitigation Plan?

- Evaluate the natural hazards that are likely to impact our region.
- Assess our vulnerabilities to these natural hazards.
- Identify projects that will help mitigate the impact of natural disasters on our communities.

We'd like to know what you want your town to do to prevent or lessen the damage caused by natural disasters.

For more information: Visit CRCOG's website - http://www.crcog.org/community_dev/current_p_fema.html

Or contact - Lynne Pike DiSanto at lpikedisanto@crcog.org or 860-522-2217 ext. 211
or Bill Perkins at wmp Perkins@comcast.net
or 860-522-2217 ext.243

NOTE TO PERSONS WITH SPECIAL NEEDS:

We do not discriminate on the basis of disability. Individuals who need auxiliary aids are invited to make their needs known by contacting us by mail, phone or email as soon as possible.

Un traductor estará disponible para esta reunión si usted lo solicita al 860-522-2217, lo más pronto posible.

PLEASE JOIN US
TO DISCUSS
WHAT WE CAN DO
TO PREPARE FOR
NATURAL
DISASTERS

Representatives from
the Towns of **Granby,**
East Granby and
Suffield, and the
Capitol Region Council
of Governments invite
you to a meeting on

**Monday July 1st at
7 p.m. in Granby
Senior Center
15 North Granby Rd
(Routes 20 & 189)
Granby, CT**

If you cannot make this
meeting, please visit CRCOG's
website and take our [survey](#).

Screen Shot: Town of Bloomfield Website 06-28-13

6/28/2013 9:52 AM

http://bloomfieldct.org/Plugs/public-works.aspx

Screen Shot: Town of Rocky Hill Website 06-28-13

6/28/2013 8:51 AM

http://www.rockyhillct.gov/

Screen Shots: Town of Wethersfield Website 06-28-13

6/28/2013 8:52 AM

<http://wethersfieldct.com/>

[Skip to content](#)



Welcome to Wethersfield

Wethersfield, founded in 1633-34, has its niche in history, being "Ye Most Ancient Towne" in Connecticut. Over one hundred fifty of our old, beautiful and distinctive Colonial homes stand as a symbol of the rich heritage which has been Wethersfield's since the early days of its founding more than 350 years ago.

[Our History »](#)

Announcements

[Town Hall on Summer Hours](#)
[Dog Licensing Reminder](#)
[Dates Announced for Motor Vehicle Assessment Appeals](#)
[Input Sought on Disaster Mitigation Plan](#)
[Need Continues for Food Bank Donations](#)
[All News »](#)

Town Events

- [6/28/2013 Town Hall Closes at 1 p.m.](#)
- [6/29/2013 19th Century Base Ball](#)
- [7/4/2013 Independence Day](#)
- [7/5/2013 Town Hall and Library Closed](#)
- [7/9/2013 'Keeney Koolers' Concert](#)

[All Events »](#)

Upcoming Meetings

- [7/1/2013 Town Council](#)
- [7/1/2013 Town Council Special Meeting](#)
- [7/2/2013 Planning & Zoning Commission](#)
- [7/2/2013 Citizens Energy Committee](#)
- [7/3/2013 Design Review Advisory Committee](#)

6/28/2013 8:53 AM

<http://wethersfieldct.com/controls/NewsFeed.aspx?FeedID=166>

6/24/2013 - Input Sought on Disaster Mitigation Plan

The Capitol Region Council of Governments (CROG) and the Towns of Bloomfield, Newington, Rocky Hill, West Hartford and Wethersfield invite local residents to a public meeting to discuss projects, programs and other measures the towns and region can take to prevent or lessen the damages caused by natural disasters such as flooding, hurricanes, blizzards, tornados, drought, wild fires, and more. CROG is working with member towns to update a Natural Disaster Mitigation Plan which will help area communities deal with and reduce the losses caused by natural disasters. CROG and town leaders want to hear your ideas.

The meeting will be held on Tuesday evening, July 2nd at 7 p.m. in the Bloomfield Volunteer Ambulance building at 12 Southwood Drive, Bloomfield.

Please see the attached [revised meeting announcement](#) for details. If you cannot attend the meeting, please participate in the [Capitol Region Natural Hazards Survey](#). Citizen input is very important to the plan.

[Archives](#)

Screen Shot: Town of Granby Website 07-01-13

7/1/2013 11:08 AM

http://www.granby-ct.gov/Public_Documents/index

Town of Granby Connecticut

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2-1-1

Alert
WE CAN'T ALERT YOU IF WE CAN'T REACH YOU

YOUTH SERVICE BUREAU

News & Announcements

- 10.15.12 Recycling Pickup Schedule 2013
- 8.28.12 Emergency Preparedness Information
- 4.12.13 News About Recyclables
- 7.27.11 Participate in CT Dept. of Energy & Environmental Protection Survey
- 10.25.12 Used Mattress Management Survey
- 5.0.13 Paper Shredding Event 05-18-2013
- 5.22.13 Memorial Day Parade - May 27, 2013
- 4.8.11 CT Flu Watch Site

MORE

FLAG STATUS

CT CAPITOL REGION READY

Natural Disaster Mitigation Plan Informational Meeting

The Capitol Region Council of Governments (CRCOG) and the Towns of Granby, East Granby, and Suffield invite you to a public meeting to discuss projects, programs and other measures the towns and region can take to prevent or lessen the damages caused by natural disasters such as flooding, hurricanes, blizzards, tornadoes, drought, wild fires, and more. CRCOG is working with the towns to update a Natural Disaster Mitigation Plan which will help our communities deal with and reduce the losses caused by natural disasters. We would like your ideas.

The meeting will be held on **Monday evening, July 1st at 7 p.m.** in the Granby Senior Youth Services Building, 15 North Granby Road (Routes 20 & 189) Granby, CT.

Please see the attached meeting announcement for details and a survey link for your input. Click [here](#) for an announcement flyer.

Town Profile
The Town of Granby was incorporated in 1786 from Simsbury and covers 40.7 square miles on Connecticut's north central border with Massachusetts.

Screen Shot: Town of Windsor Website 07-08-13

Town of Windsor Connecticut

E-Services | Contacts

First in Connecticut First for its Citizens

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Services

- Assessor's GIS
- Online Tax Payment
- Land Indices Online
- E-Mail Newsletter
- Emergency and Community News Notification System
- Watch Meetings Online
- Recycling PSA

Government

- Town Council Schedule
- Meeting Documents
- Boards & Commissions
- Bids / RFPs
- Town Budget
- Voter Information
- Calendar
- Employee Profiles
- Recovery Act Funds Use
- Jobs

News & Announcements

Capitol Region Pre-Distaster Natural Hazard Mitigation Plan

The existing CRCOG Pre-Disaster Natural Hazard Mitigation Plan expires in September 2013. Join representatives from Windsor, Enfield and Windsor Locks on Tuesday July 9th at 7:00 PM as they discuss what we can do to prepare for potential natural disasters.

For more details visit the CRCOG website or view the flyer by [clicking here](#).

Annual Budget Referendum
Tuesday, July 16, 2013
Polling Hours: 6:00 AM to 8:00 PM

Absentee ballots are available in the Windsor Town Clerk's Office during regular business hours: Monday through Friday from 8:00 AM until 5:00 PM. The deadline to apply for an absentee ballot is Monday, July 15th at 5:00 p.m. Voters must complete a separate application for each referendum.

This referendum is scheduled with less than 3 weeks notice; as a result, absentee ballots may only be issued in person to the applicant or the applicant's designee at the Town Clerk's Office. If you need additional information about designating a person to pick-up your ballot, please call 860-285-1902.

Town of Windsor

- Town Government
- Departments
- A-Z Guide

FY 2014 BUDGET

EMERGENCY Notification System
Sign up to be notified.

CT CAPITOL REGION READY

Screen Shot: Town of Glastonbury Website 07-8-13

7/8/2013 4:20 PM

http://www.glasct.org/index.aspx?page=1

Town Updates

- [Natural Hazards Mitigation](#)
- [July Taxes Due](#)
- [Proposed Rezoning](#)
- [Main Street Traffic Signal Project to Begin the Week of June 17th](#)

[See All Town Updates >](#)

Upcoming Events

- [Child/Adult Fun Runs](#)
7/9/2013 6:30 PM
- [Summer Music Festival](#)
7/10/2013 7:00 PM
- [TAI CHI](#)
7/11/2013 6:00 PM - 7:00 PM
- [Natural Hazards Mitigation](#)
7/11/2013 7:00 PM - 10:00 PM

[See All Events >](#)

Screen Shot: Town of Ellington Website 07-15-13

7/15/2013 10:44 AM

http://ellington-ct.gov/Plugs/pressrelease.aspx

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- [LINKS-Civic & Other Organizations](#)
- [Newsletters](#)
- [News Releases](#)
- [2009 Press Releases](#)

News Releases

Notice of CRCOG Public Meeting July 18, 2013 re: Natural Disaster Plan for Ellington and surrounding towns ([Press Release](#)) ([Informational Flyer](#))

June 2013: ([Click here for more information](#))
[Boards/Commissions Apointments and Vacancies](#)

News Release: Rabies and Microchip Clinic June 8, 2013 ([Click Here](#))

News Release:Legal Notice - Notice of Referendum May 21, 2013 ([click here](#))

Press Release: Road Work beginning May 2013 ([click here](#))

May 2013: ([Click here for more information](#))
[Boards/Commissions Apointments and Vacancies](#)

Screen Shot: Town of Tolland Website 07-08-13

7/8/2013 11:05 AM



Tolland named 37th Best Small Town to Live in

Money Magazine has announced that they have ranked Tolland as the 37th best small Town to live in.

[Read the Full Article Here](#)

Building Department On-Line Permitting	Tolland Video TourBook
Video Streaming for Town Council Meeting	
Parks & Recreation Program Brochures	
What Department Do I Need?	
Follow us  	
Open Space Trails	

What's Happening

Posted July 2, 2013

[Natural Hazards Mitigation Plan Update – Public Meeting](#)

Staff from the Capitol Region Council of Governments will be leading a discussion on what we can do to prepare for Natural Disasters. Please join representatives from the Towns of Tolland, Vernon, East Windsor, Ellington, Somers and Stafford and CRCOG to a meeting on: Thursday, July 18, 2013 at 7 p.m., Vernon Senior Center (next to Town Hall), 26 Park Place, Rockville, CT.

For more information, visit CRCOG's website at http://www.crcog.org/community_dev/current_p_fema.html.

Marlborough Press Release and Meeting Notices

Lynne Pike DiSanto

From: First Office [firstoffice@marlboroughct.net]
Sent: Thursday, June 06, 2013 1:19 PM
To: 'Rivereast News Bulletin'
Cc: Lynne Pike DiSanto
Subject: Press Release

Please publish Friday, June 14, 2013

**Representatives from Andover, Bolton, Hebron, and Marlborough
and the Capitol Region Council of Governments
invite residents to join in a discussion on
what we can do to prepare for Natural Disasters.
Meeting to take place Monday, June 17th**

7 p.m.

**Gilead Hill School
580 Gilead Street (Rt.85)**

Hebron, CT

**If you cannot attend, please visit CRCOG's website
and
take the Natural Hazards Mitigation survey**

*Judy Ceramicoli
Selectman's Office*

Lynne Pike DiSanto

From: First Office [firstoffice@marlboroughct.net]
Sent: Thursday, June 06, 2013 1:23 PM
To: Lynne Pike DiSanto
Subject: Also

Lynne,
I have also posted this on our website, sent it to the Sr. Ctr, Library, elementary school and posted in several places in Town Hall.

*Judy Ceramicoli
Selectman's Office*

PRESS RELEASE



Public Meeting Natural Disaster Preparation

Presented by: Capitol Region Council of Governments

The Capitol Region Council of Governments (CRCOG) and the Towns of East Windsor, Ellington, Somers, Stafford, Tolland and Vernon invite you to a public meeting to discuss projects, programs and other measures the towns and region can take to prevent or lessen the damages caused by natural disasters such as flooding, hurricanes, blizzards, tornados, drought, wild fires, and more. CRCOG is working with the towns to update a Natural Disaster Mitigation Plan which will help our communities deal with and reduce the losses caused by natural disasters. We would like your ideas.

**The meeting will be held on
Thursday July 18th
7 pm
Vernon Senior Center (next to Town Hall)
26 Park Place, Vernon/Rockville**

For more information, contact:

Lynne Pike DiSanto, AICP
Senior Planner and Policy Analyst
Capitol Region Council of Governments
241 Main Street, 4th Floor
Hartford, Connecticut 06106
(860) 522-2217 ext. 211
lpikedisanto@crcog.org

Vernon Meeting Notice



MEETING NOTICE

**OFFICE OF THE MAYOR
&
OFFICE OF EMERGENCY MANAGEMENT**

THURSDAY, JULY 18, 2013

7:00 PM

**TOWN OF VERNON SENIOR CENTER
26 PARK PLACE – 2nd Floor
VERNON, CT 06066**

RECEIVED
VERNON TOWN CLERK
13 JUL -3 PM 11:48

AGENDA

1. Capital Region Council of Governments
Regional Natural Hazard Mitigation Plan Update
2. Public Input

Tel: (860) 870-3600

14 Park Place Vernon, CT 06066

Gapel@vernon-ct.gov

Fax: (860) 870-3580

Avon Life 06-11-13

6/11/2013 3:11 PM

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TRAVELERS CHAMPIONSHIP TICKET GIVEAWAY!
 Win a 4-pack of tickets and a parking pass to the TRAVELERS CHAMPIONSHIP Golf Tournament, June 17-23. Like this post and email fundept@lifepublications.com with your phone number by 4 pm Thursday, June 13 for your chance to win! We will contact the winner and announce it here on Facebook. Good luck!

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Avon LIFE 10 minutes ago

Father's Day Fest!

THE PRINCE OF GEORGES program for those recently diagnosed with rheumatoid arthritis, beginning June 29, 10 a.m.-12:45 p.m. at its office in Rocky Hill. The session is FREE, open to those diagnosed with rheumatoid arthritis (RA) within the past two years, and limited to the first 12 people to register. A trained facilitator, who has rheumatoid arthritis, will... See More

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Avon LIFE May 22

The Investors Center, Inc. of Avon will feature Photography by Zachary Gavry, a wine tasting by CT Wine of Avon, and a food tasting on Wednesday, June 19, from 6:00 to 8:00 p.m. at their Avon Office, 70 East Main Street. The event is free to the public. Gavry is a West Simsbury native who graduated from Simsbury High School, Class of 2010. To attend, call Ellen Weissberg at (860) 677-8808 or e-mail ellenw@theinvestorscenter.com. Walk-ins are also welcome. The paintings will remain on display through early September.

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- Baby Boot Camp- CT- Avon, Farmington & West Hartford**
 Baby Boot Camp open house is tomorrow! Join us for the...
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- My Fit Mommy, LLC**
 My Fit Mommy has just announced our NEW locations, N...
 April 1 at 1:02pm
- New England Air Museum**
 Thank you, local LIFE publications for inviting us to like y...
 June 17, 2012 at 9:21am

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PLEASE JOIN US TO DISCUSS WITH REpresentatives FOR NATURAL DISASTERS
 Representatives from the Towns of Avon, Canton, Farmington, and Simsbury, and the Capitol Region Council of Governments invite you to a meeting on Monday June 10, 6 p.m. in the Farmington Police Department's Community Room, 319 New Britain Avenue, Unionville. If you cannot make this meeting, please visit CRCOG's website and take the survey. For more information: Visit CRCOG's website at http://www.croq.org/community_dev/current_p_fema.html Or contact Lynne Pike DSanto at lpikedisanto@croq.org or 860-522-2217 ext. 211 or Bill Perkins at wperkins@comcast.net or 860-522-2217 ext.243

 **CRCOG Community Dev - Hazard Mitigation**
www.croq.org

Capitol Region Council of Governments
 The Capitol Region has a Capitol Region Pre-Disaster Natural Hazard Mitigation Plan which was approved by FEMA on September

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News | Police & Fire

What Could Farmington Do to Improve Natural Disaster Relief?

Farmington Valley towns are co-hosting a forum on preparing for natural disasters on Monday and the public is invited to attend.

Posted by [Jessie Sawyer](#) (Editor), June 10, 2013 at 12:19 am

Comment Recommend Like 0 Tweet 0



Photo Credit: Kaitlin McCallum

Within the past few years, major natural disaster have struck Farmington from the Tropical Storm Irene and the October snowstorm in 2011 to Hurricane Sandy in 2012.

So, Farmington and surrounding towns want to get your input on its natural hazard mitigation plan.

Farmington, Avon, Canton and Simsbury officials invite the public to attend a forum on natural disaster planning June 10 at 6 p.m. The forum will be held in Unionville at the Farmington Police Department's Community Room, located at 319 New Britain Ave. The Capitol Region Council of Governments (CROG) is co-sponsoring the event.

Popular Stories

- (Updated Sunday, 1:42 p.m.) [Missing Person Search...](#)
- [Police Seize Heroin, Crack Cocaine at Avon Home](#)
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For more information visit [CROG's website](#). You can also contact Lynne Pike DiSanto at lpikedisanto@croog.org or 860-522-2217, extension 211, or Bill Perkins at wmp Perkins@comcast.net or 860-522-2217, extension 243 for further details.

West Hartford Life 07-01-03

7/1/2013 11:23 AM

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Town Editor: Tracy Weisz; Sales Representatives: Beverly Hothaway, Illyssa Oster-Zippin

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West Hartford LIFE Friday

The Capitol Region Council of Governments and the towns of Bloomfield, Newington, Rocky Hill, West Hartford and Wethersfield invite you to a public meeting to discuss projects, programs and other measures the towns and region can take to prevent or lessen the damages caused by natural disasters such as flooding, hurricanes, blizzards, tornados, drought, wild fires, and more. The meeting is on Tuesday, July 2 at 7 p.m. in the Bloomfield Volunteer Ambulance building at 12 Southwood Drive, Bloomfield.

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June 10 at 8:17am

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West Hartford Women's Chorale The West Hartford Women's Chorale marks the start of it...
June 3 at 7:25am

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West Hartford News.com 07-03-13

Capitol Region, towns to discuss natural disasters and local response... <http://www.westhartfordnews.com/articles/2013/07/03/news/doc51c...>

Capitol Region, towns to discuss natural disasters and local response

Published: Wednesday, July 03, 2013



BLOOMFIELD — The Capitol Region Council of Governments (CROCOG) and the towns of Bloomfield, Newington, Rocky Hill, West Hartford and Wethersfield will hold a public meeting to discuss projects, programs and other measures the towns and region can take to prevent or lessen the damages caused by natural disasters such as flooding, hurricanes, blizzards, tornados, drought, wild fires, and more.

CROCOG is working with the towns to update a Natural Disaster Mitigation Plan to help communities deal with and reduce the losses caused by natural disasters.

The meeting will be held at 7 p.m. on Tuesday, July 2 at the Bloomfield Volunteer Ambulance building, located at 12 Southwood Drive, Bloomfield.

- 1
- [See Full Story](#)

07-08-13

Meeting To Help Communities Prepare For The Next Natural Disaster T... http://articles.courant.com/2013-07-08/community/hc-glastonbury-disast...

The screenshot shows the top portion of a web browser displaying the Hartford Courant website. At the top left is the Courant logo. To its right is a navigation menu with links for LOCAL BUSINESSES, JOBS, CARS, RENTALS, HOMES, OBITS, ADVERTISE, E-COURANT, and HOME DELIVERY. Below this is a large green banner for a "99¢ WebHosting Sale" with a "Get Started" button. A secondary navigation bar includes links for Home, News, MyTowns, Sports, Blogs, Entertainment, Business, Life, Health, Opinion, Video, and Deals. Below the navigation is a breadcrumb trail: Home → Collections → East Hartford. The main content area features an advertisement on the left for "1 Tip for a tiny belly" with an illustration of a pregnant woman and the text "Cut down a bit of your belly everyday by following this 1 weird old tip." To the right of the ad is the article title "Meeting To Help Communities Prepare For The Next Natural Disaster To Be Held Thursday In Glastonbury" dated July 08, 2013. The article text begins with "GLASTONBURY — As the Capitol Region Council of Governments prepares a new plan for the next natural disaster, the agency wants to hear from town officials and residents on what it should include." Below the article text is another "Ads By Google" placeholder. On the far right of the article is a social media widget with a "Recommend" button showing 0, a "Tweet" button, and a counter showing 1.



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Regional Group Works To Improve Natural Disaster Plan

Public Hearing Held Thursday In Glastonbury

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July 11, 2013 | By PETER MARTEKA, pmarteka@courant.com, The Hartford Courant

GLASTONBURY — Over the past 24 months, the state has been through tropical storm Sandy and several others, a record blizzard, a crippling Halloween snowstorm and, most recently, four tornadoes.

Not a bad time to update the region's natural disaster plan.

Officials from the Capitol Region Council of Governments held a hearing at Academy School Thursday night as the agency prepares to update its natural hazard mitigation plan.

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Officials from East Hartford, Glastonbury, Hartford, Manchester and South Windsor attended the meeting.

"During the past 24 months I think we've hit everything on our list," said Bill Perkins, a consultant for the agency who is working on the updated plan. The plan will help communities deal with natural disasters and apply for Federal Emergency Management Agency funding.

"We need to figure out how best to mitigate the things we can mitigate when it comes to natural disasters."

The plan, updated every four years, will include the evaluation of natural hazards likely to affect the region and assess the community's vulnerabilities to them. The plan will also help communities identify projects that might mitigate the impact of natural disasters.

Perkins said one of the major thrusts is getting grants so towns and cities can place generators at key facilities.

"The whole goal is to lessen the impact of a natural disaster," Perkins said.

A survey among town and emergency officials in the 30 towns and cities served by CRCOG determined the top three hazards expected to hit the state were flooding, hurricanes and winter storms. Although Perkins pointed out that fourth on the survey by only a few votes was tornadoes and wind damage.

Perkins pointed out that a lot of communities have learned lessons from the past few major storms. He noted that towns are improving drainage, have tree removal crews on call for big storms and are tracking high-risk populations, like the sick and elderly.

"Towns are more forward-thinking," he said.

CRCOG will hold several more public hearings over the next few weeks and hopes to have a final draft plan later this summer.

Officials from CRCOG ask those who couldn't attend Thursday's meeting to go to <http://www.surveymonkey.com/s/6DFHYPF> and fill out a survey.

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Regional Group Works To Improve Natural Disaster Plan

Public Hearing Held Thursday In Glastonbury

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By PETER MARTEKA, pmarteka@courant.com

The Hartford Courant
10:14 p.m. EDT, July 11, 2013

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Glastonbury Headlines

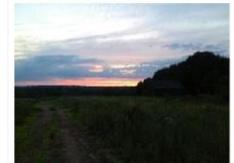
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The iPhone doesn't do it justice, but a beautiful farmland dusk. pic.twitter.com/bARxtdop4



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Presenter at natural disaster mitigation program talking about storm Alfred. I think he means the Halloween nor'easter.

Peter Marteka @petermarteka 12h

Whoa...heavy duty meeting in #Glastonbury. pic.twitter.com/uj2iDuD4

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Meeting To Help Communities Prepare For The Next Natural Disaster To Be Held Thursday In Glastonbury

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8:13 a.m. EDT, July 8, 2013

GLASTONBURY

As the Capitol Region Council of Governments prepares a new plan for the next natural disaster, the agency wants to hear from town officials and residents on what it should include.

Representatives from East Hartford, Glastonbury, Manchester, South Windsor and Hartford along with CRCOG officials will host a meeting Thursday to gather input for the next Natural Hazard Mitigation Plan. The current one expires in September. An updated plan helps communities deal with natural disasters and apply for Federal Emergency Management Agency funding.

The plan would include evaluating natural hazards likely to impact the region along with assessing a community's vulnerabilities to them. The plan would also help communities identify projects that might help mitigate the impact from the natural disasters.

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For more information visit http://www.crcog.org/community_dev/current_p_fema.html or contact Lynne Pike DiSanto at lpikedisanto@crcog.org or 860-522-2217 ext. 211 or Bill Perkins at wmp Perkins@comcast.net or 860-522-2217, ext. 243. Officials from CRCOG ask anyone who can't make the meeting to visit http://www.surveymonkey.com/s/6DFHYPF to take a survey.

The meeting will be held at 7 p.m. in the cafeteria of Academy Building located at 2134 Main St. adjacent to Town Hall.

—Peter Marteka

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Towns discuss regional disaster mitigation plan

By **Steve Smith - Staff Writer**

Vernon/Region - posted Fri., Jul. 19, 2013

Bill Perkins, a contractor with the Capitol Region Council of Governments, led the meeting about the regional Hazard Mitigation Plan on July 18 in Vernon. Photos by Steve Smith.

Representatives from the Capitol Region Council of Governments spoke about the development of a Regional Hazard Mitigation Plan at a public meeting held at the Vernon Senior Center on July 18.

Town officials, including emergency management and public works personnel from Tolland, Ellington, East Windsor, Somers, Stafford and Vernon were part of the meeting, led by Bill Perkins – a contractor with CROCOG and Lynn Pike-Disanto.

The goal is to create a plan that will help protect the 750,000 people in the the region - as well as the \$88 billion in property - from disasters including severe snowstorms, hurricanes, tornadoes, drought and floods.

The purpose of formulating the plan is to set forth mitigation strategies that will help limit the loss of life and property, economic disruptions and the cost of post-disaster recovery for the 30 communities in the Capitol Region.

The plan specifically focuses on reducing or eliminating the impacts of natural hazards which include hurricanes, tornadoes, winter storms, dam failures, droughts, earthquakes, floods and forest fires. Another purpose of the plan, at this stage in the process, is to gather data from each town as to what their disaster vulnerabilities are, as well as their needs, and identify projects that will mitigate the impact of disasters on each community and the region as a whole.

"We want to be able to improve the communities' abilities, and by doing that, improve the region's ability to deal with natural disasters," Perkins said. "Hopefully, it will reduce the amount of responses for first-responders."

Vernon Mayor George Apel welcomed the officials, and said that he felt that the meeting would be fruitful.

"I know whatever comes out of this is going to be well worthwhile," Apel said.

Perkins outlined the various potential disasters, and what amount of damage and cost of mitigation and cleanup would happen to each town in various scenarios.

Floods, hurricanes, winter storms and tornadoes were identified as the biggest disaster concerns for the region.



(Reminder News 7-19-13 article continued)

Hurricanes, for example, have a large impact, because they can cause damage throughout the region and state. Economic losses of a category 3 hurricane can be substantial. Tropical storm Irene (which was not a hurricane when it hit the state) cost the town of Vernon \$142,000, while costing East Windsor \$120,000, Somers \$35,000 and Ellington \$44,000, as a few local examples.

Winter storms were also tough on the region in recent years, including the winter storm of 2011, which cost Vernon \$3.8 million, Tolland \$841,000, and Stafford \$150,000.

Ellington Public Works Director Timothy Webb said that in the wake of that storm, routes 83 and 140 were blocked by fallen trees, and the biggest difficulty was communicating with the Connecticut State DOT.

Perkins said that what CRCOG could do in that situation is have a louder voice – that of 30 towns, instead of just one – when speaking to the state agencies, which would hopefully net a better response.

“We could facilitate the discussion,” he said. “If we can get 30 communities represented... and go with a united front, that's going to get some notice.”

Perkins said the plan has other ways it can help, including assisting in developing storm water quality guidelines, advice on planning and zoning, including development that is sensitive to drainage, and in aiding towns in their plans of conservation and development, as well as with seeking grants, among other ways.

Town of Vernon Emergency Management Director Michael Purcaro said the Hazard Mitigation Plan will help identify the towns' strengths and vulnerabilities and help in addressing them.

“That's important to do,” he said. “Secondly, I think it's important for us to contribute, as a local municipality, to the bigger plan, because it helps inform our neighbors. During a response, if there's a need to call for mutual aid, I have a better understanding of what my neighboring towns' capacities and assets will be.”

Purcaro said also that by demonstrating needs, the hope is that the CRCOG plan will aid in seeking grants or other funding for equipment needed by the towns.

“Certainly knowing what you think is important, as far as equipment, we could get more discussion going,” Pike-DiSanto said. “If we had a good indication from the towns about what we are looking at, we could certainly pursue it further.”

Perkins said that a complete draft of the plan is expected sometime around the end of September, and two more public meetings will take place, most likely in Enfield and Hartford. Several state committees will then have to approve it. The state Department of Emergency Management and Homeland Security will have to approve the plan, and then it will be submitted to FEMA. Each community will then have to accept the plan as their hazard mitigation plan. It will then be in effect for a period of five years, before the process begins again.

For more information, visit www.crcog.org.

Town of Granby Community Television Posting 7-8-13

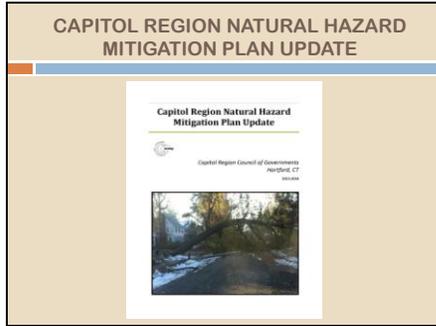
7/8/2013 4:44 PM

http://gctv16.org/viewshows/governmentrelateds/townofgranbynatura/

The screenshot shows the Granby Community Television website. The header includes the logo "Granby Community Television" with the tagline "Your Window On Your Town" and contact information: "Granby Community Television, Inc Cox Ch 16 Granby, CT 860.413.3599". A navigation menu contains links for "News", "About", "Program Guide", "View Shows", "Submit An Event", "Downloads", and "Request Taping". A search bar with a "GO" button is also present. The main content area features a video player titled "Town of Granby, Natural Disaster Mitigation Plan". To the left of the video player is a sidebar with a "WANT TO VOLUNTEER" section featuring a graphic of hands and a "CLICK HERE TO CONTACT US!" link, and a "how to DONATE" section. Below these is a "Sponsors:" section with the "Windsor Federal SAVINGS" logo. Below the video player, there are two bullet points: "► What do you want to see on TV?" and "► What do you want your family to see on TV?", followed by a "Let Us Know!" link.

Composite PowerPoint Presentation

The following slides represent a composite of the presentations shown at the seven subregional public meetings:



Seven sub-regional public meetings were held in June and July 2013 for the purpose of informing and getting feedback from the residents of the thirty municipalities represented in the Capitol Region Council of Government's Natural Hazards Mitigation Plan Update

- Intro of planning team
- Show of hands of towns represented.
- Go over agenda

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Why Develop a Natural Hazard Mitigation Plan?

Mitigation. Sustained actions taken to reduce or eliminate long-term risk to life and property from hazards

- To improve the region's ability to deal with natural disasters and reduce losses
- To reduce the need for emergency response to natural disasters
- Formal adoption of a regional hazard mitigation plan enables municipalities to access FEMA Hazard Mitigation Assistance Grants
- To improve post-disaster recovery implementation

Why develop a Natural Hazard Mitigation Plan?

- It helps our communities, region and the state deal with natural disasters more effectively
- Helps us reduce losses dues to disasters.
- It helps us reduce our need for emergency response.
- It allows our towns to apply for FEMA grants for projects such as property acquisition, demolition, relocation and structure elevation that will help reduce the effects of disasters.
- It helps us prepare for cleanup & recovery after a disaster – this is not a disaster response plan but some of the actions we propose can put us in better position when disaster does strike.

THIS IS NOT AN EMERGENCY RESPONSE PLAN – these actions are taken before the emergency strikes or after an emergency when mitigation actions are identified.

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Planning Committee:

- Capitol Region Council of Governments,
- Regional Emergency Support Function 5 Emergency Management,
- Town CEOs, Planners, Police Chiefs, Fire Chiefs, Emergency Managers, Public Works Directors, Administrative staff.

Describe composition of planning committee which oversaw the plan update process

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

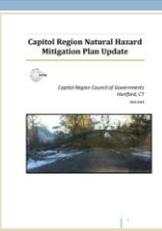
Purpose:

- Identify and analyze hazards that impact our region and your communities
- Identify local/regional mitigation Goals, Objectives and Mitigation Actions that will help lessen impact of natural disasters
- Gather public input on mitigation projects

Describe the purposes of the NHMP

Hazards to be Addressed in the Update

- Dam failure
- Drought
- Earthquake
- Flooding **1st**
- Forest fire
- Hurricane **2nd**
- Tornado/high wind
- Winter storm **3rd**



These are the natural hazards we are addressing in this plan update. Our planning committee identified those of most concern for the region as a whole. (Tornadoes were a close fourth.)

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

To assess our risks from these natural hazards we used historic data and a computer model.

- National Flood Insurance Program Claims
- Documented Municipal Costs due to Federally Declared Disasters
- Hazus-MH software for flooding, hurricane and earthquake losses

Explain how we assessed risks and estimated losses

Hazards to be Addressed in the Update

- Dam failure
- Drought
- Earthquake
- Flooding **1st**
- Forest fire
- Hurricane **2nd**
- Tornado/high wind
- Winter storm **3rd**



Again, these are the natural hazards we are addressing in this plan update. We will focus primarily on flooding, hurricanes and winter storms.

Flooding

- Frequent occurrence
- Can be severe
- Major risk



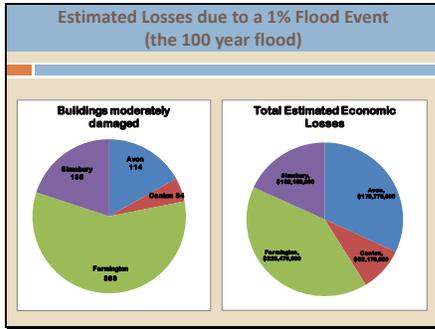
First, we'll discuss the impacts floods cause to our communities.

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

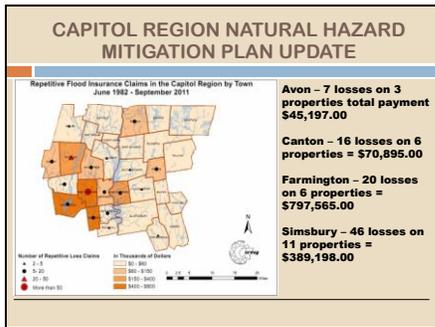
Farmington River Watershed Communities



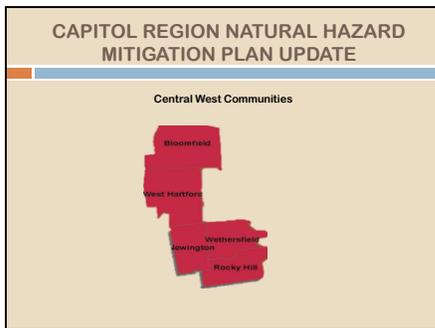
Farmington River Watershed Sub Region



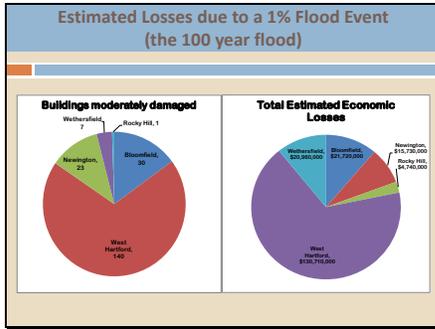
- We use a computer model from FEMA which predicts the damage from certain natural hazards. The two that we will look at are Flooding and Hurricanes.
- BRIEF EXPLANATION OF HAZUS-MH
- This slide shows the projected building damage and economic losses for a 100 year or what they call a 1% flooding event.
- The economic losses reflect the total losses incurred by the community.
- Our goal is to reduce damages and losses by identifying actions that can be taken prior to this flooding event.



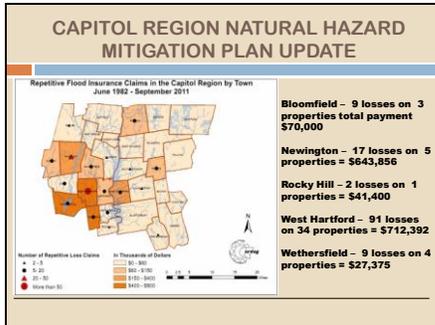
- One of the losses that are addressed in this plan is repetitive losses due to flooding
- A Repetitive Loss Property (RLP) is any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period, since 1978. At least two of the claims must be more than 10-days apart but, within 10 years of each other.
- The total cost for flood claims damage is higher because it also includes losses that do not qualify under the repetitive loss program
- In the plan update repetitive losses need to be addressed with some type of mitigation action



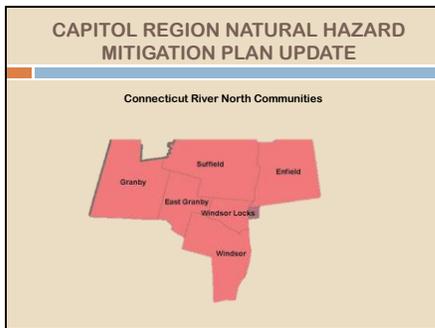
Central West Subregion



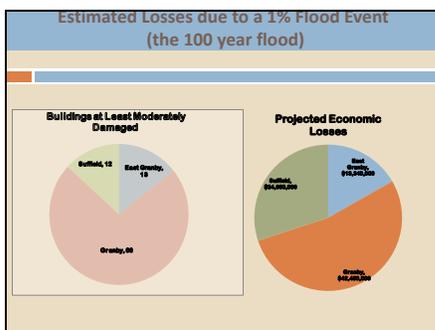
Review loss estimations predicted by Hazus-MH



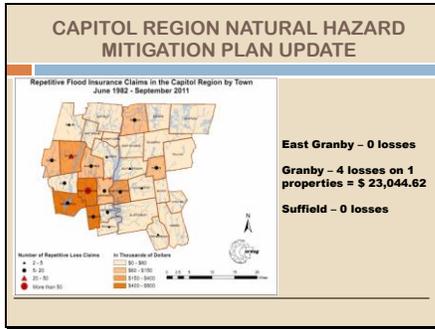
Review repetitive losses due to flooding



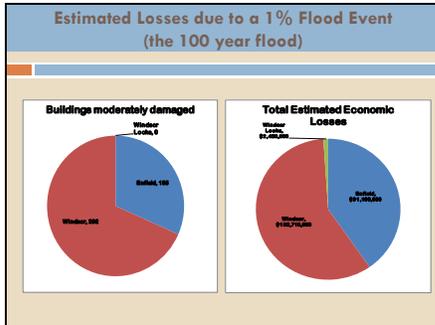
Connecticut River North Subregion



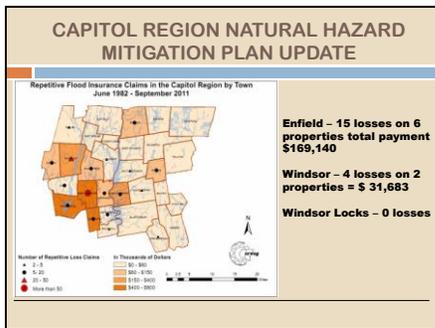
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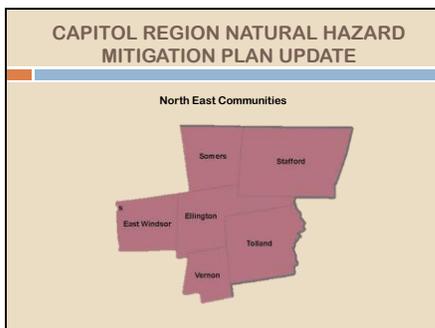
Review repetitive losses due to flooding



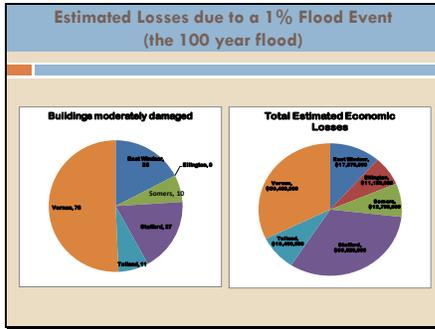
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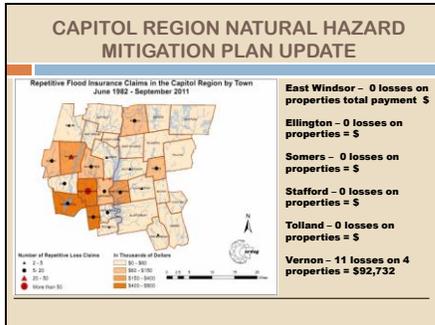
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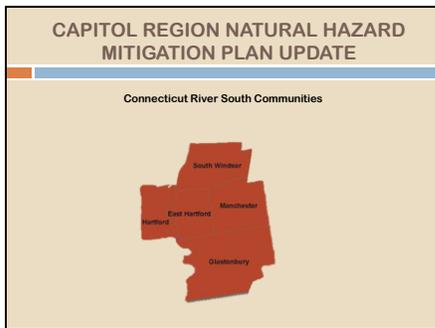
North East Subregion



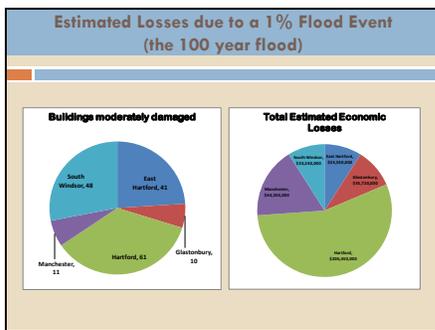
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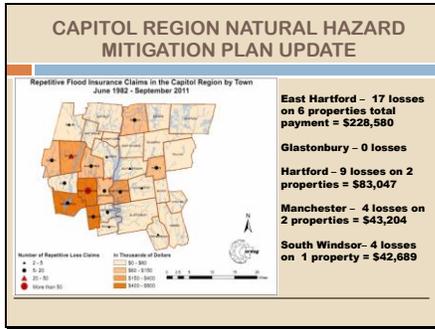
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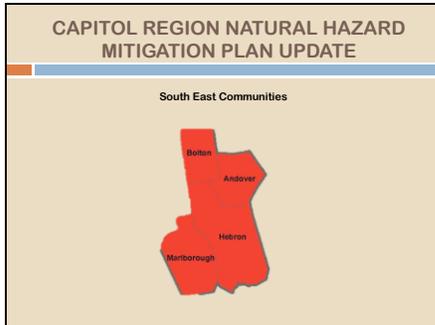
Connecticut River South Subregion



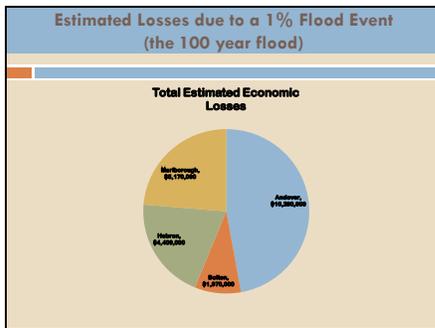
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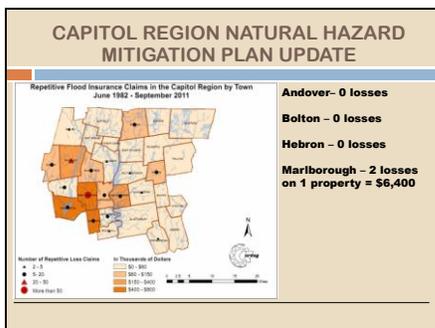
Review repetitive losses due to flooding



South East Subregion



Review loss estimations predicted by Hazus-MH



Review repetitive losses due to flooding

Hurricane/Tropical Storm

- State Plan rates as most destructive risk
- Rains and wind
- HAZUS-MH model predicts debris damage
- Moderate risk for our region

Storm Tracks of Category 3 or Higher Hurricanes Across Connecticut (1900-2010)

Next, we'll discuss the impacts hurricanes and tropical storms have in our area

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Farmington River Watershed Communities

Farmington River Watershed Subregion

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Disaster Damage Amounts Eligible for FEMA Public Assistance Reimbursement
Storm Irene

Community	Amount (\$)
Avon	148,578
Farmington	144,256
Canton	33,659
Simsbury	60,225

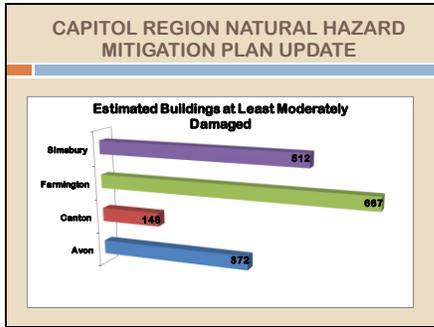
- Costs based on information gathered from CT DEMHS
- A good portion was needed for the cleanup effort
- These are the costs the communities documented as a result of damages from TS Irene in 2011 — they are eligible for reimbursements of up to 75%.

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

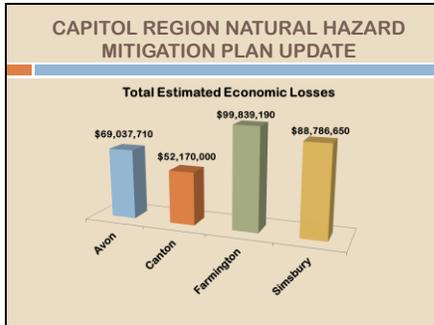
Total Estimated Debris Generated (tons)
Category 3 Hurricane

Community	Estimated Debris (tons)
Avon	39,062
Canton	23,947
Farmington	39,248
Simsbury	44,301

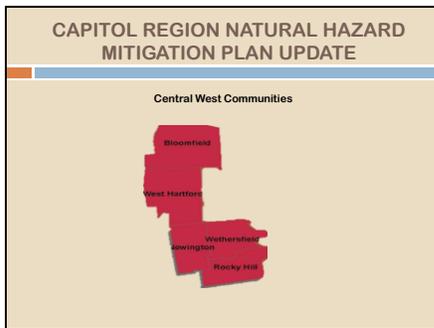
- Debris was a major problem after Irene. Many communities did not have the resources to collect and store the debris until it could be disposed of. This slide shows the amount of debris predicted by the Hazus model for a category 3 hurricane.



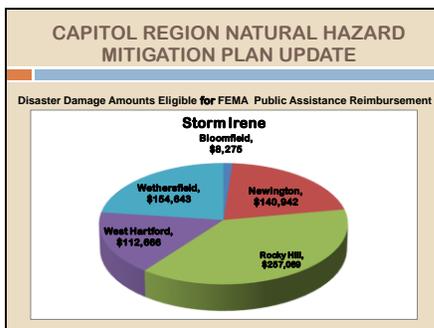
- This damage could be from many factors: water, wind or being hit by falling trees (Category 3 hurricane damage predicted by the Hazus model.)



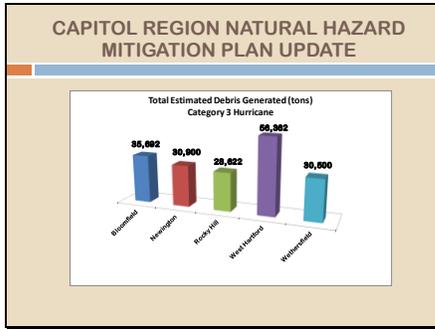
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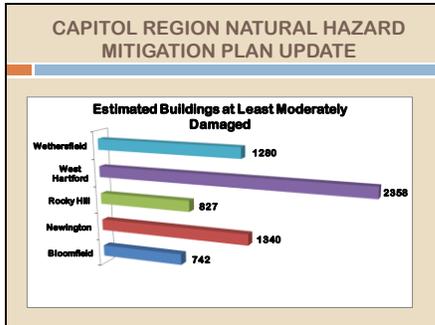
Central West Subregion



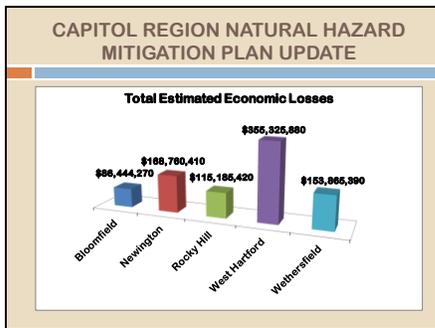
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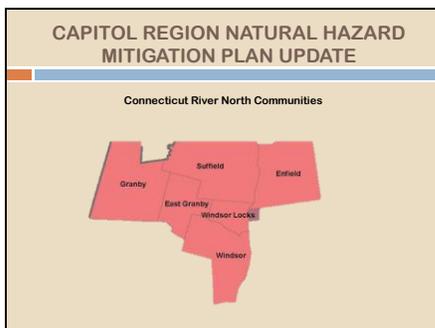
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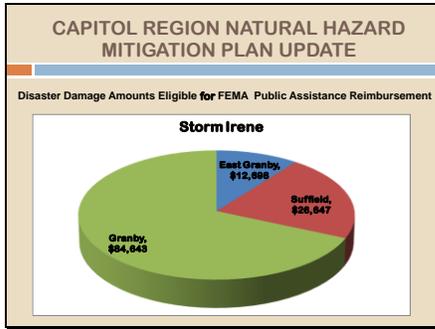
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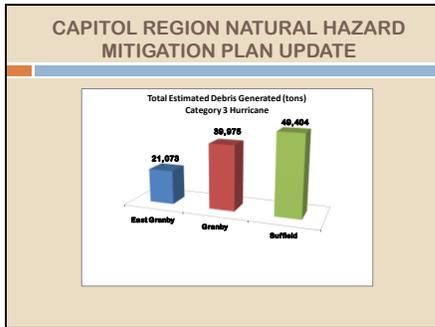
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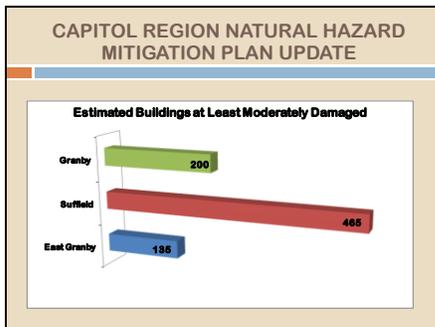
Connecticut River North Subregion



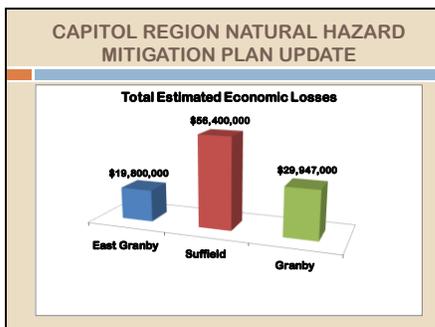
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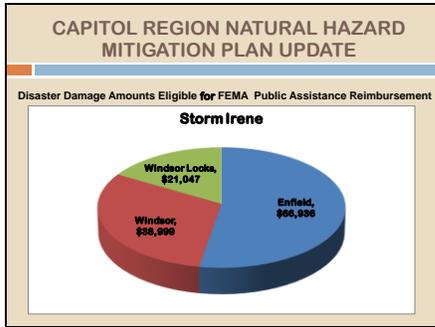
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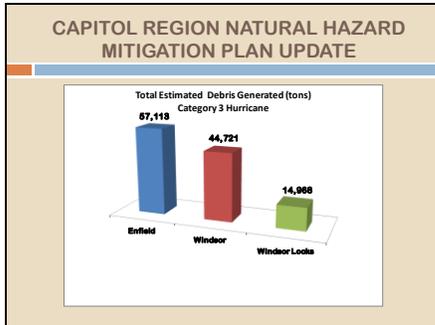
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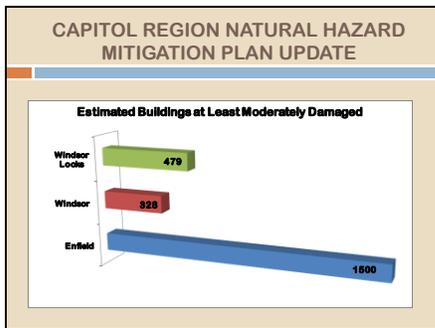
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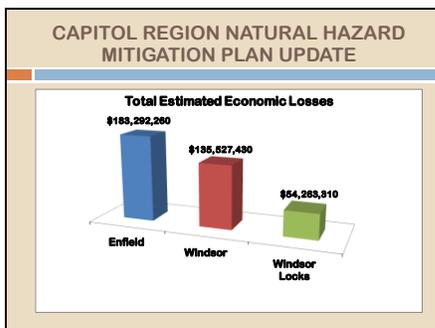
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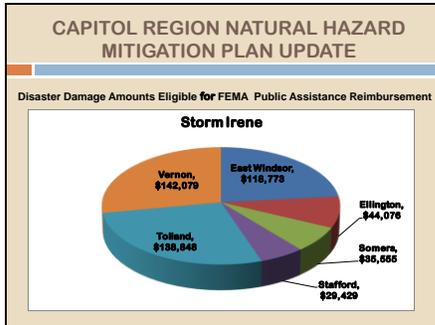
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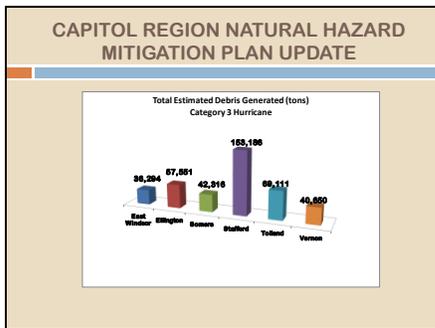
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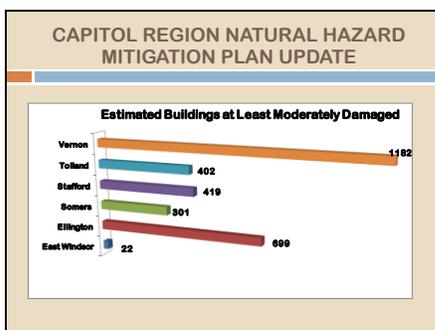
North East Subregion



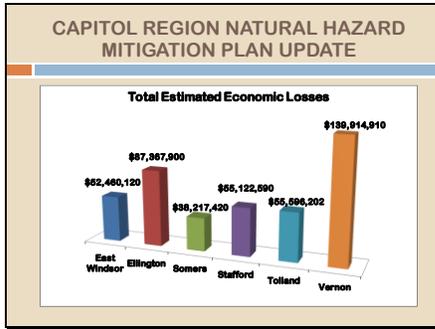
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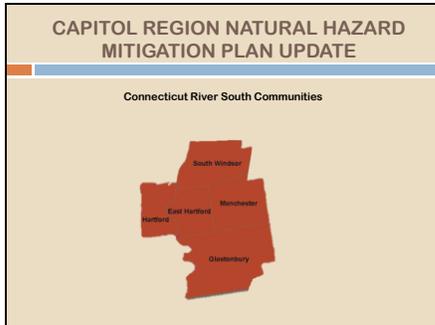
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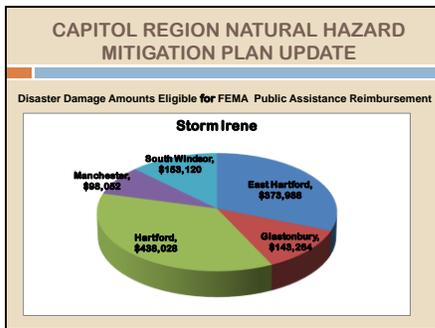
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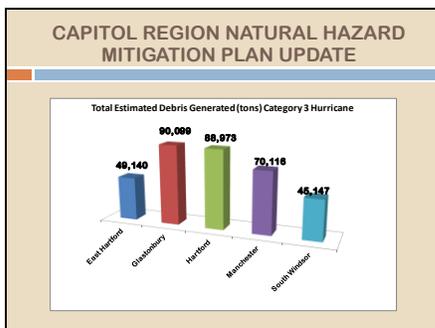
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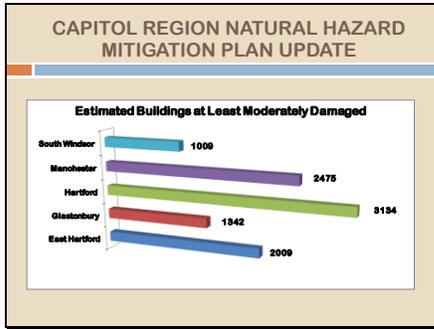
Connecticut River South Subregion



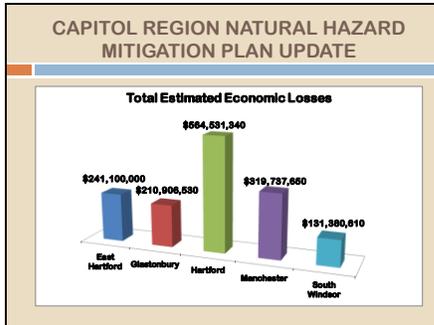
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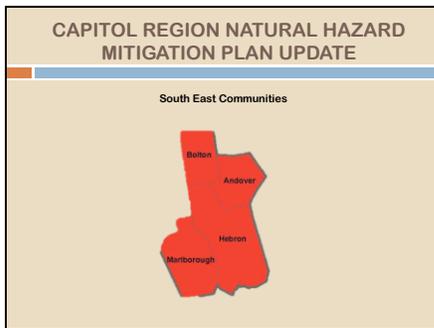
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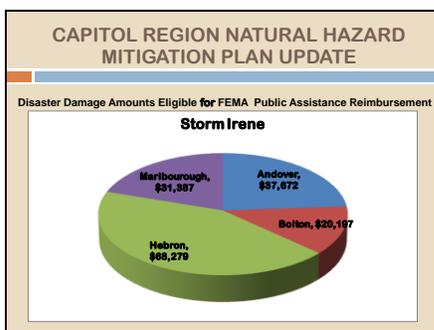
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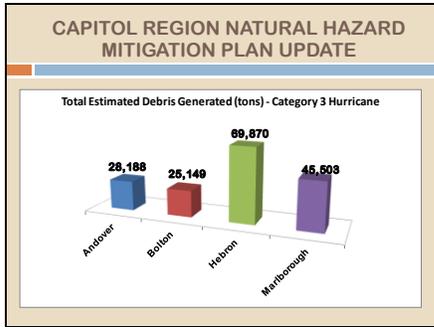
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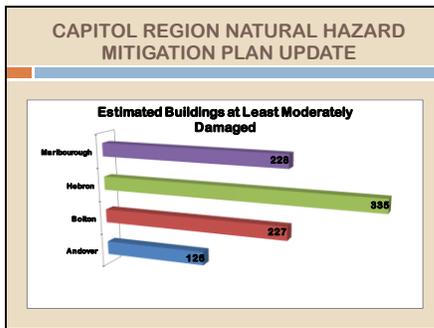
South East Subregion



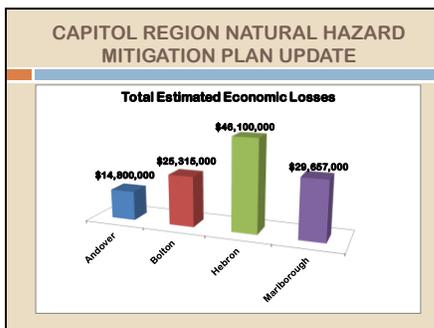
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Winter Storm/Ice Storm

- Relatively frequent
- Can be severe
- Economic impact
- Major risk

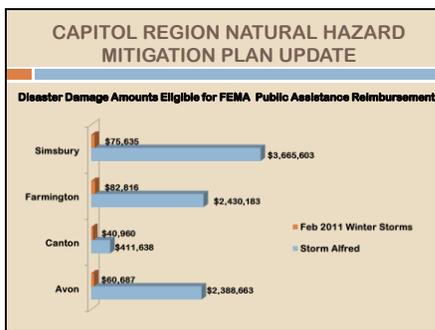


Blizzard 2013

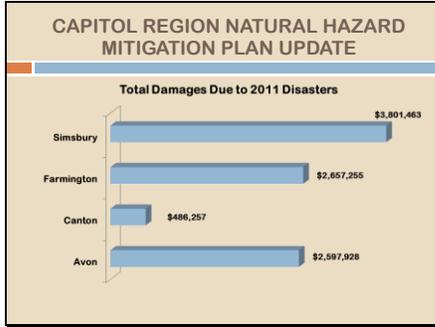
- Relatively frequent
- Ice storms included
- 7 out of 9 federal emergency declarations in CT over past 30 years were for winter storms. Federal assistance was needed to help cover costs of snow/ice removal
- Business disruptions due to power outages/travel impediments account for some of the economic impacts of these storms
- Government operations may be impacted
- Due to frequency and severity, moderate risk
- State and communities not really equipped to handle snow such as the recent Feb 2013 blizzard.

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

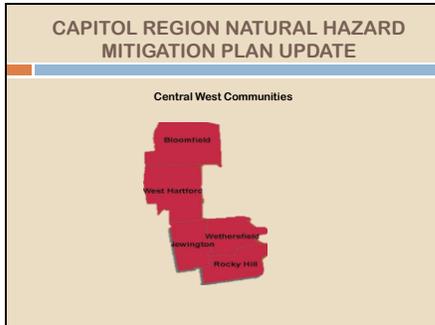
Farmington River Watershed Communities

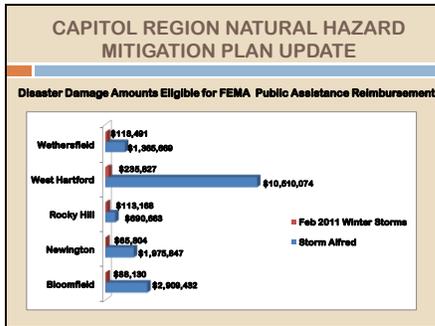
Here is a comparison between the early 2011 winter storms and storm Alfred. You see that Alfred was costlier than the winter storm was, due to the cost of handling the disposal of the debris from the fallen trees caused by Alfred



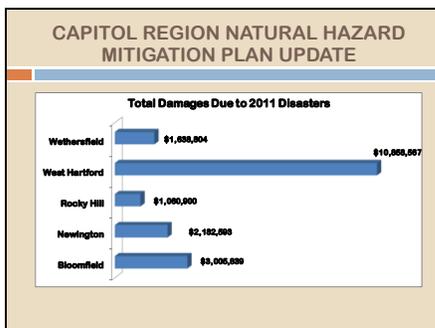
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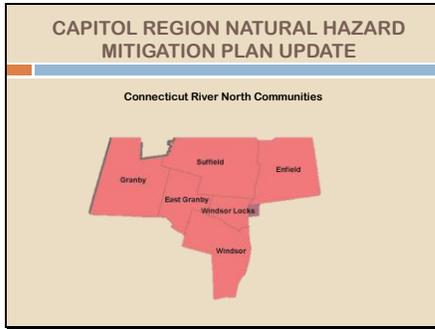
Central West Subregion



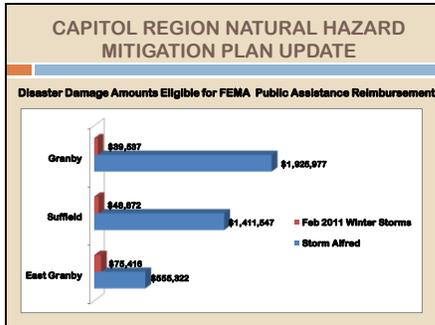
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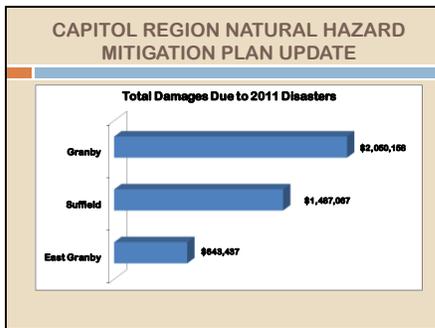
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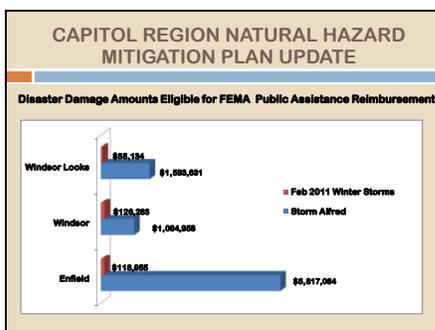
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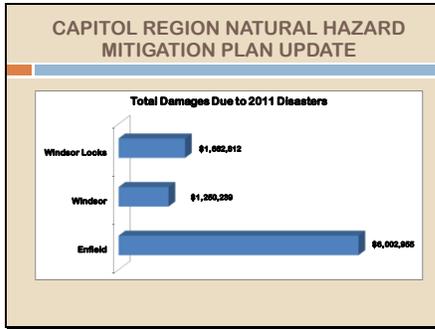


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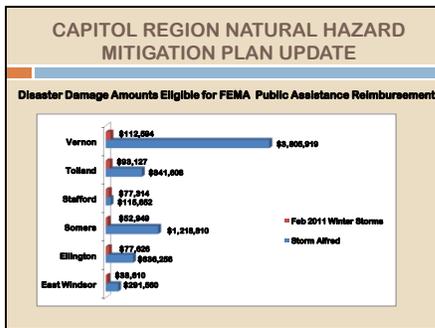


Here is a comparison between the early 2011 winter storms and storm Alfred. You see that Alfred was costlier than the winter storm was, due to the cost of handling the disposal of the debris from the fallen trees caused by Alfred

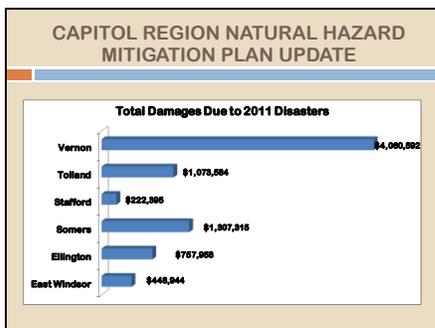




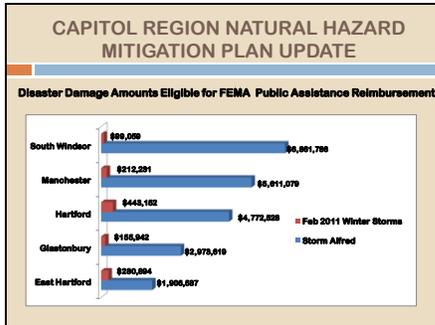
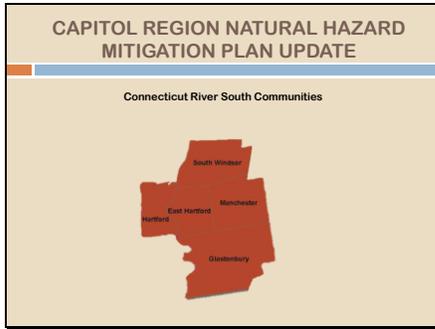
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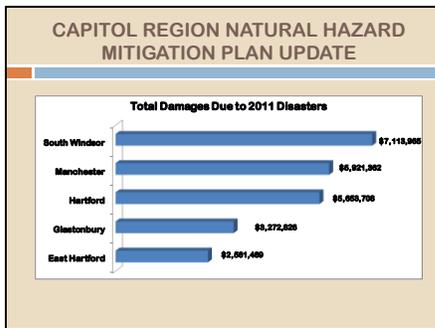
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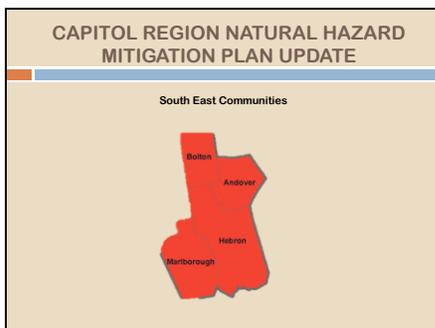
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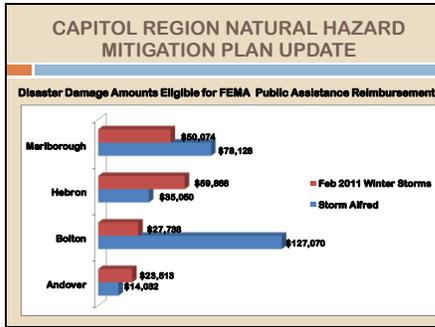


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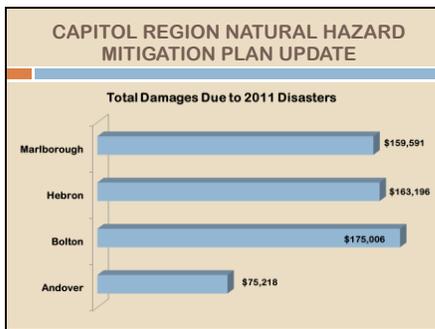


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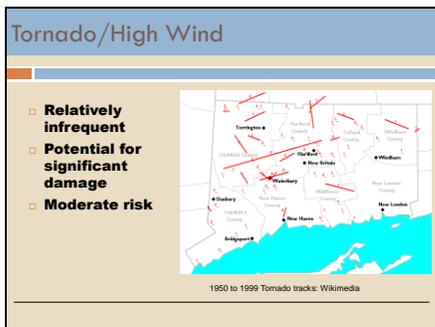




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These are the documented costs to the communities from the three federally declared disasters in 2011 — they are eligible for reimbursements of up to 75%.



- Happen infrequently; although in 2013 we have just had four in the state in early July
- 1979 tornado that hit Windsor Locks and Suffield demonstrated that intense tornados (over 200 miles/hour) are possible in the Region. That tornado was responsible for 3 fatalities, injured 500 and was 11 miles long and 1,400 wide and cost \$50 to \$500 million
- Wethersfield June 6 2009 a tornado touchdown causing damage.
- Wind storms can also be damaging. Again, as landscape is more forested than in past and development is encroaching on woodlands, more risk from debris
- Overall, moderate risk

Dam Failure

- 533 Dams
- 38 Class C (High Hazard)
- 59 Class B (Significant Hazard)

Flood Zones and Dams

DEEP Listed Dams: Class A (High Hazard), Class B (Significant Hazard), Class C (Low Hazard)

Flood Zones: Flood Zone 1, Flood Zone 2, Flood Zone 3, Flood Zone 4, Flood Zone 5, Flood Zone 6, Flood Zone 7, Flood Zone 8, Flood Zone 9, Flood Zone 10, Flood Zone 11, Flood Zone 12, Flood Zone 13, Flood Zone 14, Flood Zone 15, Flood Zone 16, Flood Zone 17, Flood Zone 18, Flood Zone 19, Flood Zone 20, Flood Zone 21, Flood Zone 22, Flood Zone 23, Flood Zone 24, Flood Zone 25, Flood Zone 26, Flood Zone 27, Flood Zone 28, Flood Zone 29, Flood Zone 30, Flood Zone 31, Flood Zone 32, Flood Zone 33, Flood Zone 34, Flood Zone 35, Flood Zone 36, Flood Zone 37, Flood Zone 38, Flood Zone 39, Flood Zone 40, Flood Zone 41, Flood Zone 42, Flood Zone 43, Flood Zone 44, Flood Zone 45, Flood Zone 46, Flood Zone 47, Flood Zone 48, Flood Zone 49, Flood Zone 50, Flood Zone 51, Flood Zone 52, Flood Zone 53, Flood Zone 54, Flood Zone 55, Flood Zone 56, Flood Zone 57, Flood Zone 58, Flood Zone 59, Flood Zone 60, Flood Zone 61, Flood Zone 62, Flood Zone 63, Flood Zone 64, Flood Zone 65, Flood Zone 66, Flood Zone 67, Flood Zone 68, Flood Zone 69, Flood Zone 70, Flood Zone 71, Flood Zone 72, Flood Zone 73, Flood Zone 74, Flood Zone 75, Flood Zone 76, Flood Zone 77, Flood Zone 78, Flood Zone 79, Flood Zone 80, Flood Zone 81, Flood Zone 82, Flood Zone 83, Flood Zone 84, Flood Zone 85, Flood Zone 86, Flood Zone 87, Flood Zone 88, Flood Zone 89, Flood Zone 90, Flood Zone 91, Flood Zone 92, Flood Zone 93, Flood Zone 94, Flood Zone 95, Flood Zone 96, Flood Zone 97, Flood Zone 98, Flood Zone 99, Flood Zone 100

- 533 total dams in Region
- 33 Class C, which are considered High Hazard, meaning a breach would likely cause significant damage to life and property
- According to the 2013 DEEP list of dams:
 - Dams in and of themselves are not the problem it's the rapid onset flooding which causes the damage.

Drought

- History of drought in CT (1929-1931, 1957, 1964-67, 1980-81, 2002)
- Potential economic, environmental, social impacts
- Minor risk

State of Connecticut Drought Response

History of Drought in Connecticut: 1929-1931, 1957, 1964-67, 1980-81, 2002

Potential economic, environmental, social impacts

Minor risk

<http://www.drought.state.ct.us/index3.htm>

- Hazard that happens periodically in CT
- Impacts can range depending on type and severity of drought
- Mostly economic impacts – through agriculture, but can have long-term environmental impacts with loss of certain vegetation
- Also, social impacts if surface and subsurface water depleted – water conservation
- Overall, minor risk HOWEVER BECOMING MORE PREVALENT IN RECENT YEARS

■ CT has a Drought Preparedness and Response plan posted on the internet

Forest Fire

- Often associated with drought
- Residential development near woodlands
- Minor risk

- Mostly a minor risk based on past occurrences
- Risks can increase due to drought
- Risks might be increasing as our forested landscape has increased, and our residential development is encroaching on woodlands
- In areas that don't have or have not enforced their forestry plan the floor fuel has increased and with the damage resulting from TS Irene and Winter Storm Alfred there is an over abundance of dried fuel available.

Earthquake

- **Relatively frequent, but very minor damage in CT**
- **Minor risk**

- Actually occur pretty frequently in the State, although ones felt here mostly have epicenters in upstate NY, NH and MA

- The last major Earthquake in Ct happened in 1791 was epicentered in Moodus and was a magnitude 7

- Since then we have had many earthquakes centered in CT but they are so weak they are barely noticed:

May 2008 1.6 in Moodus

2008 1.8 Norwich

2008 2.3 East Haddam

June 2011 East Hartford

May 2012 there were several 2.1 or less disturbances

- The probability of a strong earthquake affecting the Region is pretty low, so considered a minor risk.

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

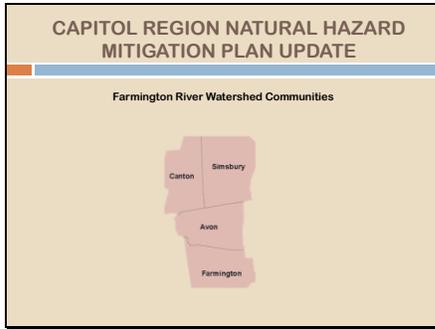
Types of Mitigation Actions

- > **Prevention**
- > **Property Protection**
- > **Public Education & Awareness**
- > **Natural Resource Protection**
- > **Structural Projects**

There are a number of Mitigation Actions available to our region they are:

- **Prevention:** Government actions or processes that influence the way land and buildings are developed such as, zoning regulations, floodplain regulations, building codes, open space preservation and stormwater management regulations.
- **Property Protection:** Modifications to buildings or infrastructure to protect or remove them from harm such as acquisition, elevation, relocation, structural retrofits, flood proofing, shatter resistant glass.
- **Public Education & Awareness:** Outreach to inform and educate citizens, elected officials, property owners.
- **Natural Resource Protection:** Actions that not only minimize hazard losses but also can preserve or restore functions of natural systems such as sediment and erosion control, stream corridor restoration, watershed management and wetlands preservation and restoration.
- **Structural Projects:** Construction of structures to reduce the impact of a hazard such as, culverts and other stormwater controls, flood walls and safe rooms.

Now we will review the types of actions that were identified by your communities



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Municipal Strategic Mitigation Actions, Processes, Projects	Avon
Education & Awareness - Informational Public Outreach	X
Preparedness - Develop/Maintain Enhanced Working Relationships	X
Preparedness - Enhance Emergency Response: Supplies & Procedures	X
Preparedness - Enhance Emergency Response: Training	X
Preparedness - Improve Communications Systems	X
Prevention - Assess Risks & Vulnerabilities	X
Prevention - Strengthen Planning & Development Regulations	X
Prevention - Strengthen Processes Related to Hazard Mitigation	X
Structural Projects - Strengthen Critical Facilities	X

These are the types/categories of projects proposed - Avon

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Municipal Strategic Mitigation Actions, Processes, Projects	Canton
Education & Awareness - Informational Public Outreach	X
Preparedness - Develop/Maintain Enhanced Working Relationships	X
Preparedness - Improve Communications Systems	X
Prevention - Assess Risks & Vulnerabilities	X
Prevention - Assess/Protect Vulnerable Populations	X
Prevention - Strengthen Planning & Development Regulations	X
Property Protection - Establish/Ensure Proper Performance of Protective Measures	X
Structural Projects - Acquisition/Relocation	X

These are the types/categories of projects proposed - Canton

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

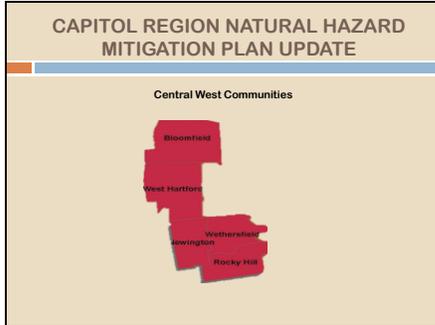
Municipal Strategic Mitigation Actions, Processes, Projects	Farmington
Education & Awareness - Informational Public Outreach	X
Preparedness - Improve Communications Systems	X
Prevention - Assess Risks & Vulnerabilities	X
Prevention - Develop/Implement Process to Prevent Damages to Life & Property	X
Structural Projects - Improve Culvert	X
Structural Projects - Road & Bridge Improvements	X
Structural Projects - Strengthen Critical Facilities	X

These are the types/categories of projects proposed - Farmington

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Municipal Strategic Mitigation Actions, Processes, Projects	Simsbury
Preparedness - Develop/Maintain Enhanced Working Relationships	X
Preparedness - Improve Communications Systems	X
Prevention - Assess/Protect Vulnerable Populations	X
Prevention - Develop/Implement Process to Prevent Damages to Life & Property	X
Prevention - Strengthen Planning & Development Regulations	X
Prevention - Strengthen Processes Related to Hazard Mitigation	X
Structural Projects - Acquisition/Relocation	X
Structural Projects - Improve Drainage	X
Structural Projects - Road & Bridge Improvements	X
Structural Projects - Strengthen Critical Facilities	X

These are the types/categories of projects proposed - Simsbury



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Bloomfield: Municipal Strategic Mitigation Actions, Processes, Projects
Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Training
Prevention - Assess Risks & Vulnerabilities
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Acquisition/Relocation

These are the types/categories of projects proposed - Bloomfield

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Newington: Municipal Strategic Mitigation Actions, Processes, Projects
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Training
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Drainage

These are the types/categories of projects proposed - Newington

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Rocky Hill: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Supplies & Procedures
Preparedness - Enhance Emergency Response: Training
Prevention - Assess Risks & Vulnerabilities
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Acquisition/Relocation
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities
Structural Projects - Road & Bridge Improvements

These are the types/categories of projects proposed – Rocky Hill

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

West Hartford: Municipal Strategic Mitigation Actions, Processes, Projects

Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Supplies & Procedures
Preparedness - Enhance Emergency Response: Training
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Strengthen Critical Facilities

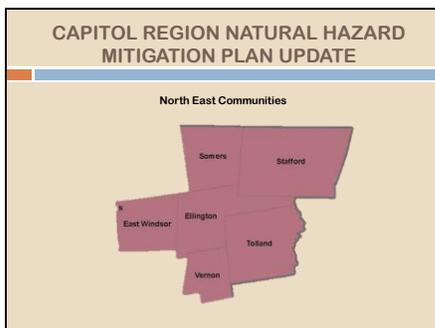
These are the types/categories of projects proposed – West Hartford

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Wethersfield: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Training
Prevention - Assess Risks & Vulnerabilities
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Structural Projects - Acquisition/Relocation
Structural Projects - Improve Drainage
Structural Projects - Protect Infrastructure
Structural Projects - Strengthen Critical Facilities
Structural Projects - Improve Culvert

These are the types/categories of projects proposed - Wethersfield



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

East Windsor: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Improve Communications Systems
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed –East Windsor

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Ellington: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Prevention - Assess Risks & Vulnerabilities
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Road & Bridge Improvements
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed - Ellington

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Somers: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Planning & Development Regulations
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Culvert
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed - Somers

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Stafford: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Natural Resource Protection - Timber Management
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Training
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Culvert
Structural Projects - Protect Infrastructure

These are the types/categories of projects proposed - Stafford

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Tolland: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: Supplies & Procedures
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Improve Culvert
Structural Projects - Improve Drainage
Structural Projects - Road & Bridge Improvements
Structural Projects - Strengthen Critical Facilities

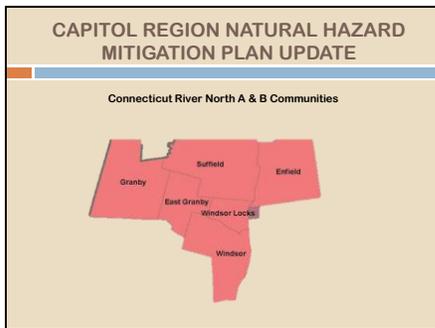
These are the types/categories of projects proposed - Tolland

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

Vernon: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Improve Culvert
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed - Vernon



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE

East Granby: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Targeted Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Culvert
Structural Projects - Protect Infrastructure

These are the types/categories of projects proposed – East Granby

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Suffield: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Strengthen Planning & Development Regulations	
Prevention - Strengthen Processes Related to Hazard Mitigation	
Property Protection - Establish/Ensure Proper Performance of Protective Measures	
Structural Projects - Improve Culvert	

These are the types/categories of projects proposed - Suffield

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Granby: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Natural Resource Protection - Timber Management	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel	
Preparedness - Enhance Emergency Response: Training	
Preparedness - Improve Communications Systems	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Strengthen Planning & Development Regulations	
Prevention - Strengthen Processes Related to Hazard Mitigation	
Property Protection - Establish/Ensure Proper Performance of Protective Measures	
Structural Projects - Improve Culvert	
Structural Projects - Protect Infrastructure	

These are the types/categories of projects proposed - Granby

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Enfield: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Education & Awareness - Workshops and Forums	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Improve Communications Systems	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Assess/Protect Vulnerable Populations	
Prevention - Develop/Implement Process to Prevent Damages to Life & Property	
Prevention - Strengthen Planning & Development Regulations	
Prevention - Strengthen Processes Related to Hazard Mitigation	
Property Protection - Establish/Ensure Proper Performance of Protective Measures	
Structural Projects - Strengthen Critical Facilities	

These are the types/categories of projects proposed - Enfield

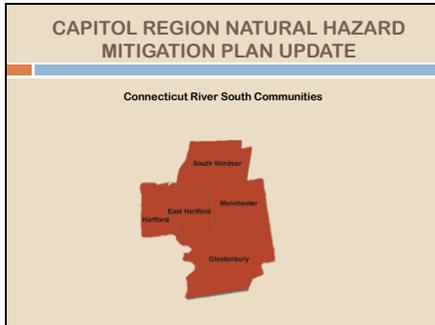
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Windsor: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Natural Resource Protection - Preserve & Restore Natural Functions	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel	
Preparedness - Enhance Emergency Response: Supplies & Procedures	
Preparedness - Enhance Emergency Response: Training	
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Prevention - Assess/Protect Vulnerable Populations	
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Prevention - Strengthen Processes Related to Hazard Mitigation	
Property Protection - Establish/Ensure Proper Performance of Protective Measures	
Structural Projects - Improve Drainage	
Structural Projects - Road & Bridge Improvements	
Structural Projects - Strengthen Critical Facilities	

These are the types/categories of projects proposed - Windsor

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Windsor Locks: Municipal Strategic Mitigation Actions, Processes, Projects
Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: Training
Preparedness - Improve Communications Systems
Prevention - Strengthen Planning & Development Regulations
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Culvert
Structural Projects - Improve Drainage

These are the types/categories of projects proposed – Windsor Locks



**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

East Hartford: Municipal Strategic Mitigation Actions, Processes, Projects
Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Education & Awareness - Workshops and Forums
Preparedness - Enhance Emergency Response: Training
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed – East Hartford

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Glastonbury: Municipal Strategic Mitigation Actions, Processes, Projects
Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Supplies & Procedures
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures

These are the types/categories of projects proposed - Glastonbury

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Hartford: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Education & Awareness - Workshops and Forums
Natural Resource Protection - Preserve & Restore Natural Functions
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: Training
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Improve Drainage
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed – Hartford

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

Manchester: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Property Protection - Modifications to Buildings or Infrastructure
Structural Projects - Protect Infrastructure
Structural Projects - Road & Bridge Improvements
Structural Projects - Strengthen Critical Facilities

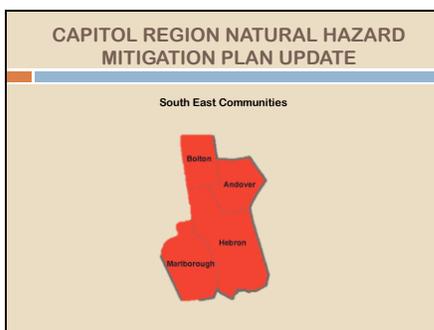
These are the types/categories of projects proposed - Manchester

**CAPITOL REGION NATURAL HAZARD
MITIGATION PLAN UPDATE**

South Windsor: Municipal Strategic Mitigation Actions, Processes, Projects

Education & Awareness - Informational Public Outreach
Education & Awareness - Targeted Outreach
Preparedness - Develop/Maintain Enhanced Working Relationships
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel
Preparedness - Enhance Emergency Response: Supplies & Procedures
Preparedness - Improve Communications Systems
Prevention - Assess Risks & Vulnerabilities
Prevention - Assess/Protect Vulnerable Populations
Prevention - Develop/Implement Process to Prevent Damages to Life & Property
Prevention - Strengthen Planning & Development Regulations
Prevention - Strengthen Processes Related to Hazard Mitigation
Property Protection - Establish/Ensure Proper Performance of Protective Measures
Structural Projects - Strengthen Critical Facilities

These are the types/categories of projects proposed – South Windsor



CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Andover: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Enhance Emergency Response: Training	
Preparedness - Improve Communications Systems	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Assess/Protect Vulnerable Populations	
Property Protection - Establish/Ensure Proper Performance of Protective Measures	
Structural Projects - Strengthen Critical Facilities	

These are the types/categories of projects proposed - Andover

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Bolton: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Improve Communications Systems	
Prevention - Assess Risks & Vulnerabilities	
Structural Projects - Improve Drainage	
Structural Projects - Protect Infrastructure	
Structural Projects - Strengthen Critical Facilities	

These are the types/categories of projects proposed - Bolton

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Hebron: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Natural Resource Protection - Timber Management	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Assess/Protect Vulnerable Populations	
Prevention - Develop/Implement Process to Prevent Damages to Life & Property	
Prevention - Strengthen Planning & Development Regulations	
Prevention - Strengthen Processes Related to Hazard Mitigation	
Property Protection - Modifications to Buildings or Infrastructure	

These are the types/categories of projects proposed - Hebron

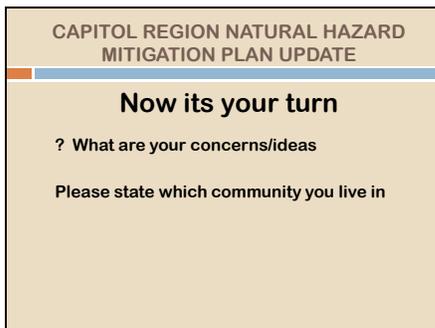
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Marlborough: Municipal Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Natural Resource Protection - Timber Management	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Improve Communications Systems	
Preparedness - Enhance Emergency Response: New Facilities, Equipment, Personnel	
Prevention - Strengthen Processes Related to Hazard Mitigation	
Structural Projects - Strengthen Critical Facilities	

These are the types/categories of projects proposed - Marlborough

CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE	
Regional Strategic Mitigation Actions, Processes, Projects	
Education & Awareness - Informational Public Outreach	
Education & Awareness - Targeted Outreach	
Education & Awareness - Workshops and Forums	
Natural Resource Protection - Preserve & Restore Natural Functions	
Preparedness - Develop/Maintain Enhanced Working Relationships	
Preparedness - Enhance Emergency Response: Training	
Preparedness - Improve Communications Systems	
Prevention - Assess Risks & Vulnerabilities	
Prevention - Develop/Implement Process to Prevent Damages to Life & Property	
Prevention - Strengthen Planning & Development Regulations	
Prevention - Strengthen Processes Related to Hazard Mitigation	

- These are the efforts CRCOG proposes to undertake.
- Regionally CRCOG has no ability to do construction or enact regulations or laws. CRCOG can and will do the following:
 - Encourage all municipalities in the Region to adopt regulations that incorporate or refer to recommended practices from the most current Connecticut Stormwater Quality Manual, Connecticut Guidelines for Erosion and Sedimentation Control and in particular, those which promote low impact development and green infrastructure techniques.
 - Encourage development that is in harmony with natural drainage systems in all municipalities through reviews of development referrals.
 - Foster improved understanding of the importance stream management, maintenance of natural drainage channels, and use of green infrastructure practices among municipal staff, inland wetlands commissions and planning and zoning commissions through education.
 - Continue participation with other regional planning agencies in Connecticut and Massachusetts in the Connecticut River Bi-State Partnership and, in particular, in the development of a Connecticut River Bi-State Corridor Management Plan.
 - Work with member municipalities to maintain this regional pre-disaster natural hazard mitigation plan with updates at least every five years.
 - Work with member municipalities, state and federal agencies to improve availability of relevant data; including, but not limited to current land uses, vulnerable building stock inventories and values, and hazardous materials inventories
 - Train CRCOG staff in HAZUS-MH software.
 - Assist member municipalities in pursuing federal and state funds to implement mitigation measures.
 - Incorporate natural hazard mitigation concerns into the regional plan of conservation and development and encourage municipalities to address natural hazards mitigation in local plans of conservation and development.
 - Encourage municipalities to participate in the National Flood Insurance Program's Community Rating System
 - Work with municipalities to facilitate a process for improved communications with upstream communities to provide timely downstream notifications regarding water levels and releases from dams.
 - Encourage municipalities to increase their citizens' awareness and use of the Get Ready Capitol Region website. (<http://www.getreadycapitolregion.org/>)
 - Encourage FEMA to recognize the cumulative effect of winter storm events.
 - Monitor state efforts to assist municipalities in working with Connecticut Light & Power concerns over appropriate utility right-of-way maintenance, emergency response and the burial of transmission lines.

- Encourage the installation of generators at critical facilities and in developments serving the elderly or special need populations through outreach and associated work with local
- Assist municipalities that do not currently have drought ordinances in enacting such ordinances to enable the enforcement of water conservation.
- Assist in disseminating drought-related information by encouraging municipalities to post drought-related information released by the Connecticut Division of Emergency Management and Homeland Security or Connecticut Department of Public Health through their websites and/or newsletter, and by posting drought-related information on the Get Ready Capitol Region website.
Are there any questions?

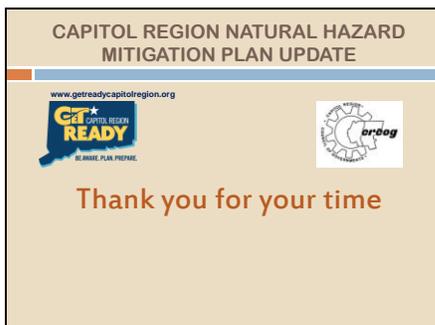


Briefly summarize & review the public comment

Then explain where we go from here: Review & Comment process, Plan Adoption



Thanks to those who attended and the representatives from the communities, and remind them to visit
GETREADYCAPITOLREGION.ORG



**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
FARMINGTON RIVER WATERSHED SUBREGIONAL MEETING**

**JUNE 10, 2013
Farmington Police Department Community Room**

ATTENDANCE

Attendance was not taken at the meeting, however, one resident of Avon, three residents of Canton, two members of the press, two staff persons from Congresswoman Esty's office, State Senator Kevin Witkos, and Michael Haeflich, CL&P's Director of Emergency Coordination were in attendance.

Municipal and CRCOG representatives who attended were:

Adam Libros	Town of Canton, EMD/Fire Marshal
Chief Paul Melanson	Town of Farmington, Police
James DiPace	Town of Avon, EMD
Larry Baril	Town of Avon, Engineering
Bill Perkins	CRCOG
Lynne Pike DiSanto	CRCOG

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CRCOG. He presented information on the costs incurred by the four Farmington Valley communities (Avon, Canton, Farmington and Simsbury) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

QUESTIONS AND PUBLIC COMMENTS

The following is a summary discussion of the comments and questions (in italics, followed by responses) raised during the meeting:

- *Following the two major storms of 2011, there was a proposal for a utility liaison program. Has that happened?*

CL&P has designated liaisons for each municipality in the state. The municipal representatives present indicated the program has been working well and communications between municipal officials and CL&P have improved. AT&T has held drills with local officials to improve processes when central offices are out, however, a municipal liaison program has not been established yet.

- *Can flood plain maps be manipulated and redrawn so that nearly everyone would be required to carry flood insurance?*

It is unlikely the flood plain boundaries would be redrawn in such a way without evidence of risk of flooding in a given location. Nonetheless, there are currently inaccuracies in the FIRMs because in many areas the maps are not based on flood studies. Municipal officials can assist residents in

obtaining LOMAs (Letters of Map Amendments) if needed.

- *Rather than pursuing CROG's proposed initiative to encourage FEMA to recognize the cumulative effect of winter storm events, it would be more appropriate to advocate for changes in building codes to restrict the use of flat roofs.*

Current building codes limit the use of flat roofs in new construction.

- *What is the emergency communications system used now?*

No single system is used. Some municipalities use proprietary systems provided by Everbridge and some use Code Red. The state's CTAlert system is an Everbridge product which allows only mass broadcast messaging through the Enhanced 911 (E 9-1-1) database. Municipalities can purchase upgrades to the Everbridge system which will allow targeted outreach. The E 9-1-1 database includes only traditional land line phone numbers. Individuals must provide their contact numbers for cell phones and other phone lines not in the E 9-1-1 system.

- *Often when there is a power outage, phone lines are also out. How can people be contacted in emergencies if phone lines are out?*

Depending on the situation, emergency personnel can make door to door notifications. Towns, such as Simsbury, which have loud speaker systems, can use those. Newer digital systems which allow verbal broadcasts are expensive. In hilly areas multiple speakers will be needed adding to the cost.

- *More attention should be paid to encouraging people to shelter in their homes.*

The Get Ready Capitol Region website has a wealth of information for residents on how to prepare for emergencies.

- *Residents and governments learned much about sheltering and other storm response needs as a result of October 2011's Storm Alfred, particularly the need for greater numbers of trained volunteers.*

The Red Cross is a good source for training and advice on sheltering needs. Local Community Emergency response Teams (CERTs) can provide valuable assistance but need appropriate training. If disasters are more localized and not statewide, shelter volunteers and emergency response specialists can be recruited from other parts of the state. There are efforts going on now to explore establishing regional shelters which would help ensure that there is adequate staffing.

- *Is there a list of equipment and resources available to be shared among communities in the event of disasters?*

There is a list of available assets with contact information. If a municipality is in need, they can contact the ESF-5 duty officers who will assist in making arrangements for use of equipment and other assets. Municipalities and ESF-5 can also call the state DEMHS if assistance is not available locally.

- *What is happening with the proposal to provide micro grids so local governments can function through extended power outages? Are wind and solar power being considered as energy sources for micro grids?*

A pilot program was developed by DEEP. It is expected about 10 systems will be approved. Solar and wind power aren't considered reliable energy sources because they depend on environmental conditions. There is also a large capital cost involved which limits their use.

- *When major storms are expected, too many people hoard water, groceries, batteries and other supplies. Availability of goods is also affected by just-in-time inventory practices many businesses now use. What can be done to ensure supplies are available for all in need?*

A checklist of recommended amounts of goods based on household size and circumstances could be developed and posted on the Get Ready Capitol region website. Grocery stores could also be encouraged to have back-up generators. Legislation has been proposed to allow restaurants to donate food to shelters.

- *What can be done to deal with tornados, solar flares and refuges from other areas?*

People can be encouraged to subscribe to emergency alert systems. Cell phones companies are now

working to provide alerts; in the future, the federal government will likely require such alerts. Residents can be encouraged to buy weather radios which provide early and detailed warnings of impending tornados and severe weather. The state has plans to deal with major disasters affecting New York City and Millstone.

WRAP UP

Mr. Perkins informed the attendees that after all public meetings have been held a draft plan will be made available for public comment. He outlined the approval and adoption process. He reminded attendees to hand in their completed surveys and said their input would be passed on to the municipalities. He invited attendees to visit the CRCOG and the Get Ready Capitol Region websites. The meeting ended at approximately 8:30 pm.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
SOUTH EAST SUBREGIONAL MEETING**

**JUNE 17, 2013
GILEAD HILL SCHOOL, HEBRON, CONNECTICUT**

ATTENDANCE

Attendance was not taken at the meeting, however, two residents of Amston (a section of Hebron) and an unidentified man attended.

Municipal and CROCOG representatives who attended were:

Mike Gut	Town of Marlborough, Selectman
Joyce Stille	Town of Bolton, Town Administrator
Bill Kramer	Town of Hebron, EMD
Robert Burbank	Town of Andover, First Selectman
Bill Perkins	CROCOG
Lynne Pike DiSanto	CROCOG

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CROCOG. He presented information on the costs incurred by the four communities (Andover, Bolton, Hebron and Marlborough) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

QUESTIONS AND PUBLIC COMMENTS

The following is a summary discussion of the comments and questions (in italics, followed by responses) raised during the meeting:

- *Much of the damage we see from major storms results from downed trees and power outages. The National Guard could help clear roads and clean up debris but they don't seem to be called out. Why not?*

The National Guard was deployed after Irene but they did not have enough equipment and vehicles for all the personnel who were called up. Also, if there are downed wires, the power company must ensure they are not live before clean-up can be undertaken. CL&P's municipal liaison program appears to be working well and in the future, there should be better coordination regarding clean-up efforts.

- *Will people be able to stay with their pets at the shelter?*

People with service animals will be able to shelter with their animals, however, others will not because of the need to limit the exposure of those with allergies to the animals. Hebron's proposal for an animal shelter at the fairgrounds includes plans for shuttle service so that people

staying at the shelter can visit their pets.

- *Trees should be trimmed more aggressively.*

Trees within the rights-of-way can be trimmed but permission needs to be granted by the property owners for those on private property. Rights-of-way vary greatly in the area, and along many roads, trees which could down power lines are on private property.

- *There should be more effort made to recruit volunteers especially those with medical training.*

Marlborough is proposing to organize a CERT; Bolton is training CERT volunteers now; Andover and Hebron have CERTs. Hebron is looking into recruiting for more CERT and MRC volunteers at the Hebron Fair later this summer. (The Amston residents exchanged contact information with Hebron's EMD for follow-up on participating in the CERT and Chatham Health District's MRC.)

- *It is advisable to hire forester to evaluate a town's timber resources and oversee cutting operations prior to hiring a tree cutting firm.*

WRAP UP

Mr. Perkins informed the attendees that after all public meetings have been held a draft plan will be made available for public comment. He outlined the approval and adoption process. He reminded attendees to hand in their completed surveys and said their input would be passed on to the municipalities. He invited attendees to visit the CRCOG and the Get Ready Capitol Region websites. The meeting ended at approximately 8:30 pm.

MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
CONNECTICUT RIVER NORTH (WEST SIDE) SUBREGIONAL MEETING

JULY 1, 2013
Granby Senior Center

ATTENDANCE

Attendance was not taken at the meeting; however, fourteen members of the public were in attendance including at least ten residents of Granby, at least one resident of Suffield, and at least one resident of Manchester.

Municipal and CROCOG representatives who attended were:

John Woods	Town of Suffield, EMD
Bill Hawkins	Town of Suffield, Town Planner
Fran Armentano	Town of Granby, Town Planner
Gary Haynes	Town of East Granby, Town Planner
Jim Hayden	Town of East Granby, First Selectman
Bill Perkins	CROCOG
Lynne Pike DiSanto	CROCOG

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CROCOG. He presented information on the costs incurred by the three communities (Granby, East Granby and Suffield) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

QUESTIONS AND PUBLIC COMMENTS

The following is a summary discussion of the comments and questions (in italics, followed by responses) raised during the meeting:

- *Our towns should help teach the public how to deal with natural hazards.*
- *Towns offer training through the CERT program. People are advised to be prepared to shelter at home for three days.*
- *A good resource for dealing with horses in times of natural disasters is the book entitled, Horses of the Storm.*
- *If power is out for a prolonged period, means of communication such as cell phones may not be available. We need another way to reach out to people. Amateur radio can provide a back-up means of communication.*

Amateur radio operators are part of the Emergency Support Function - Communications (ESF-2) and can be called on as to assist with emergency response. The Regional Coordination Center (RCC) and State EOC have made provisions for using ham operators if needed.

- *The cell phone companies should be better prepared to provide back power in times of*

outages.

Cell towers usually have about four hours of back-up power. The cell providers were not prepared to deal with the extended outages in the aftermath of the two major storms of 2011, Irene and Alfred, and had difficulties finding enough generators. We learned a lot from our experiences with these storms. Since that time, much analysis and planning has been done to prepare for major disasters such as the CL&P Liaison program and tree trimming efforts. The State has activated the Emergency Support Function for utilities (ESF-12) which now meets monthly to develop response procedures. The cellular providers are part of this effort and are developing plans to put generators in place more quickly when needed.

WRAP UP

Mr. Perkins informed the attendees that after all public meetings have been held a draft plan will be made available for public comment. He outlined the approval and adoption process. He reminded attendees to hand in their completed surveys and said their input would be passed on to the municipalities. He invited attendees to visit the CROCOG and the Get Ready Capitol Region websites. The meeting ended at approximately 8:30 pm.

Note: The meeting was taped by Granby Community Television which serves Granby and East Granby.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
CENTRAL WEST SUBREGIONAL MEETING**

**JULY 2, 2013
Bloomfield Volunteer Ambulance**

ATTENDANCE

Attendance was not taken at the meeting; however, seven members of the public were in attendance including at least one resident of West Hartford, State Senator Kevin Witkos, Michael Haeflich, CL&P's Director of Emergency Coordination, Jack Arsego, CL&P's Town Liaison Program Director, a reporter from Life Publications and two other persons were in attendance.

Municipal and CRCOG representatives who attended were:

John Lawlor	Town of Bloomfield, Public Works
Ray Carpentino	Town of Rocky Hill, Economic Development
William Keehner	Town of Rocky Hill, Police
Michael Morgan	Town of Newington, Police
Mike Turner	Town of Wethersfield, EMD, Public Works
Bill Perkins	CRCOG
Lynne Pike DiSanto	CRCOG
Bill Austin	CRCOG, CREPC ESF-5

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CRCOG. He presented information on the costs incurred by the five communities (Bloomfield, Newington, Rocky Hill, West Hartford, and Wethersfield) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

PUBLIC COMMENTS

The following is a summary discussion of the comments raised during the meeting:

- Michael Haeflich of CL&P described the utility's efforts to lessen the potential for power outages due to severe weather. He said the utility has 17,000 miles of above ground wires. At a cost of \$1 million to \$8 million per mile, it is estimated to cost \$50 billion to bury electric lines system-wide. He said that because this approach is not affordable, the utility is undertaking efforts to harden its infrastructure in other ways such as aggressive tree trimming, coating wires to strengthen them, and selectively undergrounding wires and equipment. He said CL&P has committed \$300 million to reduce power outage susceptibility by 30%.
- David Murphy, a West Hartford resident and consultant experienced in hazard mitigation planning, suggested that municipalities be encouraged to include mitigation projects likely to qualify for FEMA's Hazard Mitigation Grant Program (HMGP) funding through the Connecticut Division of Emergency

Management and Homeland Security (DEMHS). (After the meeting, he also suggested that CRCOG should encourage DEMHS to sponsor a workshop for municipalities on developing successful applications for HMGP grants.)

WRAP UP

Mr. Perkins informed the attendees that after all public meetings have been held a draft plan will be made available for public comment. He outlined the approval and adoption process. He reminded attendees to hand in their completed surveys and said their input would be passed on to the municipalities. He invited attendees to visit the CRCOG and the Get Ready Capitol Region websites. The meeting ended at approximately 8:30 pm.

Note: After the meeting, Mr. Murphy also suggested that the Town of West Hartford should be encouraged to evaluate flood mitigation measures that could be implemented on the University of Connecticut West Hartford campus after UConn moves to its new Hartford location.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
CONNECTICUT RIVER NORTH (EASTERN) SUBREGIONAL MEETING**

**JULY 9, 2013
Windsor Locks Town Hall**

ATTENDANCE

Two representatives from Connecticut Light & Power (CL&P) attended.

Municipal and CRCOG representatives who attended were:

Billy Taylor	Town of Enfield, Director of Public Works
Patrice Carson	Town of Windsor Locks, Consulting Town Planner
Scott Lappen	Town of Windsor Locks, Director of Public Works
Paul Goldberg	Town of Windsor, Fire Administrator
Bill Perkins	CRCOG
Lynne Pike DiSanto	CRCOG

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CRCOG. He presented information on the costs incurred by the three communities (Enfield, Windsor and Windsor Locks) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally. Ms. Pike DiSanto outlined the input needed from the towns in the next few weeks.

PUBLIC COMMENT

There was no public comment.

The meeting ended at approximately 7:45 pm.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
CONNECTICUT RIVER SOUTH SUBREGIONAL MEETING**

**JULY 11, 2013
Academy Building Cafeteria, Glastonbury**

ATTENDANCE

Attendance was not taken at the meeting, however, representatives of the Glastonbury Chamber of Commerce, the press, and Connecticut Light & Power, as well as a staff person from State Senator Gary LeBeau's office were in attendance.

Municipal and CRCOG representatives who attended were:

Daniel Dube	Town of East Hartford, Emergency Management
Michael Bisi	Town of Glastonbury, Sanitation
Robert DiBella	Town of Glastonbury, Emergency Management
Richard Johnson	Town of Glastonbury, Town Manager
Chief Carlos Huertas	City of Hartford, Fire
Captain Helene Lynch	City of Hartford, Fire
Constantin Banciulesco	City of Hartford, Engineering
Matthew Bordeaux	Town of Manchester, Planning
Fred Shaw	Town of South Windsor, Public Works
Bill Perkins	CRCOG
Lynne Pike DiSanto	CRCOG

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CRCOG. He presented information on the costs incurred by the five communities (East Hartford, Glastonbury, Hartford, Manchester, and South Windsor) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

PUBLIC COMMENTS

Jack Arsego of CL&P described the utility's efforts to lessen the potential for power outages due to severe weather. He said the utility has 17,000 miles of above ground wires and 2,000 miles of underground wires. He said because of the cost of burying lines and facilities is \$1 million or more per mile, the utility is working to harden its system through such means as tree trimming, use of sturdier wires, and selectively undergrounding of infrastructure.

WRAP UP

Mr. Perkins informed the attendees that a draft plan will be made available for public comment and outlined the approval and adoption process. He asked attendees to encourage others to complete the online survey. The meeting ended at approximately 8:15 pm.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
NORTHEAST SUBREGIONAL MEETING**

**JULY 18, 2013
Vernon Senior Center**

ATTENDANCE

Attendance was not taken at the meeting; however, a head count indicated at least thirty-two people were in attendance. These included residents and municipal representatives of the six communities (East Windsor, Ellington, Somers, Stafford, Tolland, and Vernon), as well as representatives of Vernon's CERT, Stafford and Tolland Public Schools, the press, and Connecticut Light & Power.

Municipal and CROCOG representatives who attended were:

Leonard Norton	Town of East Windsor, Public Works
Joseph Sauerhoefer	Town of East Windsor, Public Works
Tim Webb	Town of Ellington, Public Works
Don Davis	Town of Ellington, Emergency Management
Jeff Bord	Town of Somers, Public Works, Land Use
Todd Rolland	Town of Somers, Public Works
Dennis Milanovich	Town of Stafford, Engineering, Land Use
Patricia Collin	Stafford Public Schools
Mike Wilkinson	Town of Tolland, Administrative Services
Clem Langlois	Town of Tolland, Public Works
Douglas Racicot	Town of Tolland, Public Safety
Chris White	Tolland Public Schools
John Carroll	Tolland Public Schools
George Apel	Town of Vernon, Mayor
Michael Purcaro	Town of Vernon, Emergency Management
Terry McCarthy	Town of Vernon, Engineering
Chief William Call	Town of Vernon, Fire
Chief James Kenny	Town of Vernon, Police
Robert Kleinhans	Town of Vernon, Public Works
Harry Boyko	Town of Vernon, Building Official
Ray Walker	Town of Vernon, Fire Marshal
Bill Perkins	CROCOG
Lynne Pike DiSanto	CROCOG

PRESENTATION

Mayor Apel opened the meeting and welcomed attendees. Mr. Perkins gave a PowerPoint presentation describing the planning process, the natural hazards affecting the region and the mitigation efforts being taken by the municipalities and CROCOG. He presented information on the costs incurred by the six communities (East Windsor, Ellington, Somers, Stafford, Tolland, and Vernon) as a result of the three federally declared disasters of 2011 and damage estimations which might result from 100-year floods

and category 3 hurricanes. He also outlined the mitigation actions identified by the towns and region to help prevent or lessen the impacts of natural hazards locally.

QUESTIONS AND PUBLIC COMMENTS

The following is a summary discussion of the comments and questions (in italics, followed by responses) raised during the meeting:

- *Can you put the slides from tonight's presentation online or e-mail them to the towns?*

We will post the slides on CRCOG's website:

(http://www.crcog.org/community_dev/current_p_fema.html) and can e-mail the presentation to town representatives and those attending who have provided e-mail addresses.

- *Although the alert systems used now are better than in the past, alerts of imminent danger still can come after the fact as some of the warnings about the recent tornadoes did.*

No alert system or technology is foolproof; however, our ability to communicate with the public is continuing to improve.

- *We would like to encourage CRCOG to assist with acquisition of equipment such as generators and chippers.*

We will inform the CRCOG Purchasing Council staff of this request.

- *The State DOT's response to clearing state roads following the Blizzard and Storm Alfred was very poor. State roads in the area were impassable for days. Ellington had to ask the National Guard to take aerial photos to convince DOT to clear the roads. The State's response regarding traffic signage around blockages is also poor.*

CRCOG can facilitate discussions with the State regarding municipal concerns. The State has a plan for dealing with highway safety issues and CRCOG can arrange a presentation of the plan for municipal officials.

Note: Following the meeting, an attendee added that the State's use of Rentschler Field as a distribution point for water and supplies following disasters was very inefficient for municipalities. The municipalities may not have proper trucks for transporting supplies and essential staff can be taken away from local responsibilities for hours. He suggested the state should arrange for more local deliveries of water and supplies.

After the Storm Alfred, the State instituted a new policy of delivering commodities to each municipality as requested.

Also, after the meeting another attendee emphasized the need for municipal and public school staff to work together and be involved together in the planning for disaster response. He said the schools play an important role in disaster response including often providing emergency shelters but are not always involved in the planning for the use of their resources. He said municipalities and school boards often have different funding sources available to address disasters and both could benefit by working more closely together to address community needs.

WRAP UP

Mr. Perkins informed the attendees that a draft plan will be made available for public comment and outlined the approval and adoption process. He reminded attendees to hand in their completed surveys and said their input would be passed on to the municipalities. The meeting ended at approximately 8:45 pm.

Newspaper Advertisements

Hartford News (September 26)

Opportunity for Public Comment

Natural Hazard Mitigation Plan Update: The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Region have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. There will be opportunities for public comment at meetings:

Tuesday, October 1st at Hartford Public Library (500 Main Street) starting at 5:30 pm, and

Wednesday, October 2nd at Enfield Town Hall Council Chambers (820 Enfield Street) starting at 7 pm.

Written comments may be submitted by October 11, 2013 to: CRCOG, 241 Main St., Hartford, CT 06106, or via e-mail: lpikedisanto@crcog.org.

For more information: Visit CRCOG's website - <http://www.crcog.org>

NOTE TO PERSONS WITH SPECIAL NEEDS: We do not discriminate on the basis of disability. Individuals who need auxiliary aids are invited to make their needs known by contacting us by mail, phone or email as soon as possible. Un traductor estará disponible para esta reunión si usted lo solicita al 860 522-2217, lo más pronto posible.

Oportunidad para Comentario Público

Plan de Actualización de Mitigación de Riesgos Naturales: El Concilio de Gobiernos de la Región Capital (The Capitol Region Council of Governments) CRCOG (siglas en Inglés) y las treinta municipalidades en la región, han preparado un borrador del Plan de Actualización de Mitigación de Riesgos Naturales. Este Plan describe cómo trabajarán los municipios de la región para reducir o prevenir los efectos de las inundaciones, huracanes, tormentas invernales y otros desastres naturales en nuestras comunidades. Habrá oportunidad para comentarios públicos en las reuniones.

Martes, Octubre 1 en la Biblioteca Pública de Hartford (500 Main Street) comienza a las 5:30 pm, y

Miércoles, Octubre 2 en el Enfield Town Hall Council Chambers (820 Enfield Street) comenzando a las 7 pm.

Comentarios escritos pueden enviarse hasta el 11 de Octubre, 2013 a: CRCOG, 241 Main St., Hartford, CT 06106, o por e-mail: lpikedisanto@crcog.org.

Para Mayor información: Visite la pagina web de CRCOG - <http://www.crcog.org>

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Hartford Courant (September 24 and October 1)

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Opportunity for Public Comment

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Appeared in: *Hartford Courant* on 09/24/2013 and 10/01/2013

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Opportunity for Public Comment

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Screen shot of Town of Stafford website

The screenshot shows the Town of Stafford website with a navigation menu on the left and a main content area. The main content area features a blue header with the text "Opportunity for Public Comment - Hazard Mitigation Plan" and a "Print this Page" link. Below this is a section titled "Opportunity for Public Comment" with the following text:

Natural Hazard Mitigation Plan Update: The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Region have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. There will be opportunities for public comment at meetings:

Tuesday, October 1st at Hartford Public Library
(500 Main Street) starting at 5:30 pm, and

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(820 Enfield Street) starting at 7 pm.

Written comments may be submitted by October 11, 2013 to:
CRCOG, 241 Main St., Hartford, CT 06106,
or via e-mail: lpikedisanto@crkog.org.

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Screen Shot of Town of Windsor website

The screenshot shows the Town of Windsor website with a navigation menu at the top and a main content area. The main content area features a blue header with the text "Opportunity for Public Comment" and a "Print this Page" link. Below this is a section titled "Opportunity for Public Comment" with the following text:

Natural Hazard Mitigation Plan Update: The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Region have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. There will be opportunities for public comment at meetings:

Tuesday, October 1st at Hartford Public Library
(500 Main Street) starting at 5:30 pm, and

Wednesday, October 2nd at Enfield Town Hall Council Chambers
(820 Enfield Street) starting at 7 pm.

Written comments may be submitted by October 11, 2013 to:
CRCOG, 241 Main St., Hartford, CT 06106,
or via e-mail: lpikedisanto@crkog.org.

For more information: Visit CRCOG's website - <http://www.crcog.org>

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Screen shot of Town of Windsor Locks website

Town of Windsor Locks

<http://www.windsorlocksct.org/news/#317>



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- SOCIAL SERVICES
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- TOWN CLERK
- WATER POLLUTION CONTROL
- YOUTH SERVICES BUREAU
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Site Search

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Today's Date is
September 26, 2013



Town of Windsor Locks News

Annual October Festival

Posted 2013-09-25 by Sue Barsanti

The Annual October Festival Celebration will be held at Noden Reed Park on Sunday, October 6th from 11:00 a.m. - 3:00 p.m. The event is sponsored each year by the Community Advisory Council. All events & entertainment is free to the public. For a list of events that day click on: [October Festival](#)



Blood Drive - HillsPoint Hotel

Posted 2013-09-24 by Sue Barsanti

There will be a Blood Drive on Thursday, September 26th at HillsPoint Hotel located at 383 South Center Street in Windsor Locks. For more information click on: [Red Cross Blood Drive](#)

Natural Hazard Mitigation Plan

Posted 2013-09-19 by Jennifer Rodriguez

Opportunity for Public Comment - The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Region, including Windsor Locks, have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. There will be opportunities for public comment at meetings:

Tuesday October 1st Hartford Public Library 500 Main Street, Hartford CT starting at 5:30 PM and,

Wednesday October 2nd Enfield Town Hall Council Chambers 820 Enfield Street, Enfield CT starting at 7:00 PM

Written comments may be submitted by October 11, 2013 to:

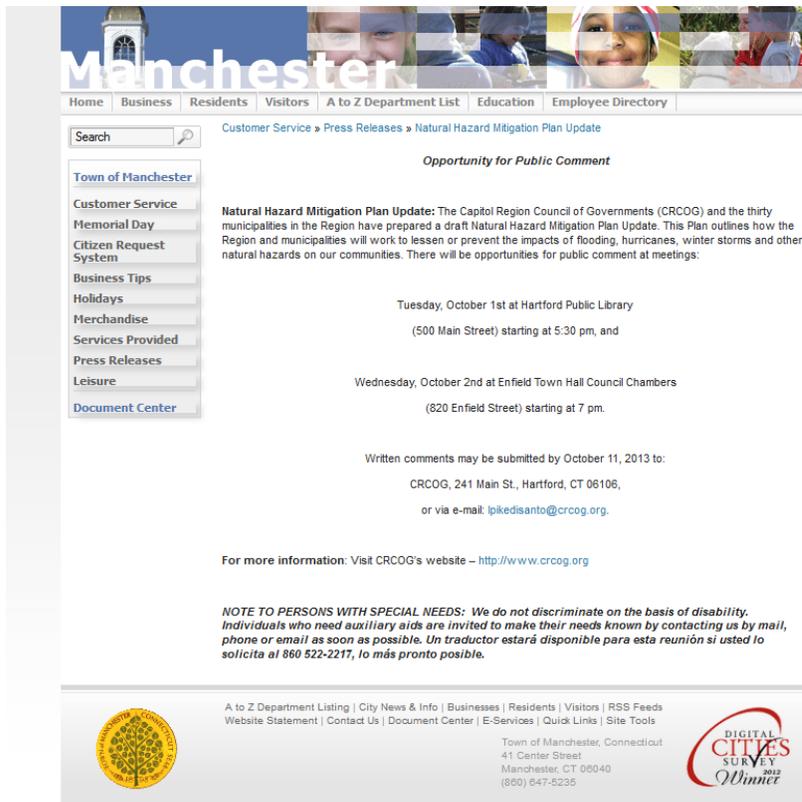
CRCOG, 241 Main Street, Hartford CT, 06106, or via email: lpikedisanto@crkog.org

To view the document visit CRCOG's website

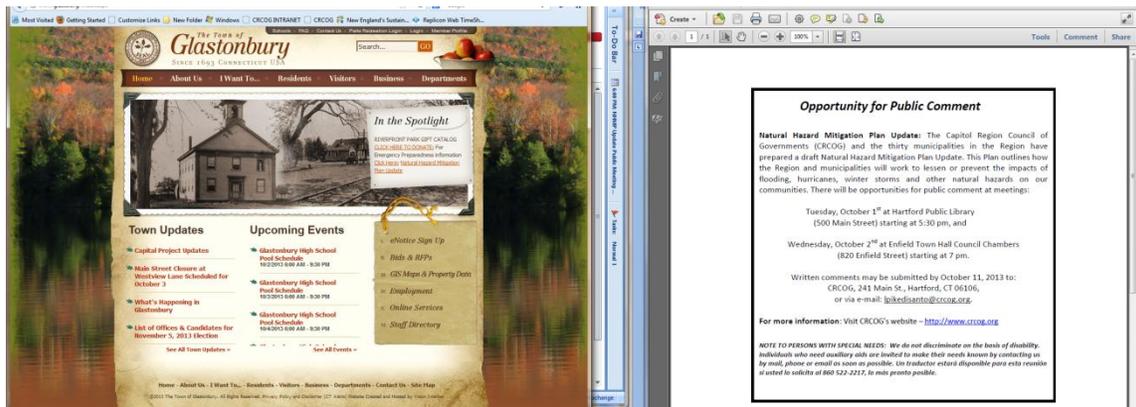
<http://www.crcog.org>

Persons with special needs are invited to make their needs known including but not limited to auxilliary aids. Un traductor astara disponible para esta reunion si usted lo solicita al 860 522 2217, lo mas pronto posible.

Screen shot of Town of Manchester website



Screen shot of Town of Glastonbury website



Screen shot of Town of South Windsor website

Town of South Windsor, CT - Natural Hazards Mitigation Plan Update -... http://www.southwindsor.org/Pages/SWindsorCT_BBBoard/04284FA2-0...

South Windsor

Natural Hazards Mitigation Plan Update - Available for Public Comment
Printer-Friendly Version

Attachments:
[Draft Plan Notice.pdf / Adobe Acrobat Document](#) Size: 52K Last Updated: 2013/9/19

Attached please find the draft Capitol Region Natural Hazards Mitigation Plan Update for public review and comment.

Home Page
 Town Hall - 1540 Sullivan Ave., South Windsor, CT 06074 (860) 644-2511
 Office hours: Monday - Friday 8:00 am to 4:30 pm unless otherwise stated.

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 Virtual Towns & Schools Website

Screen shot of Town of Enfield website

The Town of Enfield CT

View the complete Meetings Calendar.

Events for 10/2/2013
 Start Time: 7:00 PM
 End Time: 5:00 PM
 Title: Public Informational Meeting
 Location: Town Hall - Council Chambers
 Extra Details

Opportunity for Public Comment

Natural Hazard Mitigation Plan Update: The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Region have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. There will be opportunities for public comment at this meeting:

Wednesday, October 2nd at Enfield Town Hall Council Chambers, 820 Enfield Street, At 7 pm.

Written comments may be submitted by October 11, 2013 to:
 CRCOG, 241 Main St., Hartford, CT 06106,
 or via e-mail: lpikedisanto@crco.org.

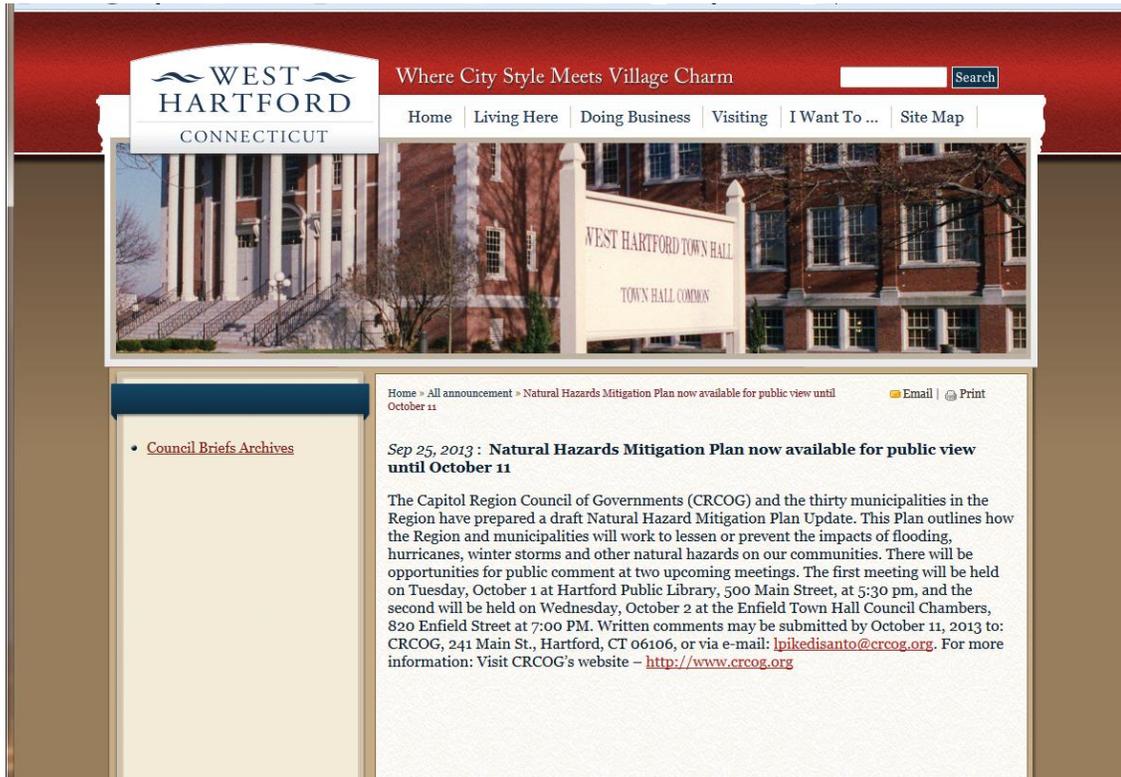
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MEETINGS/HOLIDAYS
 Wednesday, October 2, 2013
 Public Informational Meeting
 All Meeting Agendas & Minutes
 --Select Entry--

MOST REQUESTED
 It's All Happening In Enfield!
 Where Do I Vote?
 EPD Public Information (Daily Logs)
 Town of Enfield Job Openings
 Enfield Public Library
 Assessment & Revenue Collection (Tax)
 Bids / Requests for Proposals
 Public Works Department
 Refuse & Recycling Information
 Town Clerk
 Senior Center
 Permits & Licenses

Screen shots of Town of West Hartford website



Hartford Public Library Calendar Screen shot

Type: Closed

Oct 01 Capitol Region Council of Governments Natural Hazards Mitigation Plan Review
Description: This event is sponsored by the Hartford Fire Department, it is an informational forum on the regions natural hazards mitigation plan. The review will inform the public how their communities are preparing for natural hazards such as Tornados, Hurricanes, Floods, and Severe Winter Storms. There will be a power point presentation of the draft plan and then an open session for question.
Date: Tuesday - October 1 2013
Time: 3:30 PM - 7:30 PM
Location: Center for Contemporary Culture
Program: Community Program
Type: Community Program
No Registration Required

Oct 01 Writers Block: Education (Blue Hills)
Description: Ages 8 and up. Challenged by your schoolwork these days? Drop in to create a pencil sure to erase your worries.
Date: Tuesday - October 1 2013
Time: 5:00 PM - 6:00 PM
Location: BLUE HILLS
Program: Homework Help
Type: Homework Help
Closed

Oct 01 How to Escape Your Prison (Downtown)
Description: The U.S. Probation Office in partnership with the Library will offer ex-offenders the opportunity to read and discuss the book, How to Escape Your Prison. You will learn

Patch.com News Article Content

Public Hearing to be Held Next Week on Natural Disaster Plan

The Capitol Region Council of Governments wants your input as it updates its response plan to disasters like hurricanes and flooding.

Posted by [Ronald DeRosa](#) (Editor) , September 25, 2013 at 04:52 PM



Residents of Somers, Ellington and 28 other towns in Hartford County are encouraged to attend a public hearing next week on a regional disaster response plan.

The Capitol Region Council of Governments, along with assistance from 30 municipalities in the Hartford area, is currently updating their Natural Hazard Mitigation Plan, which is a plan that outlines how the region and its cities and towns would work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities.

Somers First Selectman Lisa Pelligrini said the plan is to help determine what the towns should be doing now before something happens and using past experience to do that. Each town provides input, and Pelligrini said she has been working on Somers' version of the plan along with the town engineer and the deputy director of public works.

According to the Somers portion of the plan, flooding is outlined as a concern in the town, with the National Flood Insurance Program having paid to-date 10 property damage claims in totaling \$243,412.

The Somers version outlines what the impacts could be from such a massive event like the Hurricane of 1938. As an example, it could likely cost over \$83 million in economic losses and \$30 million in residential building losses, the plan detailed.

"Our team in Somers feels really good about this plan and believes that the work we do in the next five years will greatly benefit the town and the residents by reducing the impact of natural hazards," Pelligrini said.

There will be two separate public hearings. The first is on Tuesday, Oct. 1, at 5:30 p.m. at the Hartford Public Library, 500 Main St.

The second is on Wednesday, Oct. 2, beginning at 7 p.m., at the Enfield Town Hall Council Chambers, 820 Enfield St.

Written comments may be submitted by Oct. 11 to: CRCOG, 241 Main St., Hartford, CT 06106 or via email at: lpikedisanto@crcog.org.

Thursday, September 26, 2013- ENFIELD PRESS

'un Run

Support the cause without giving may make donations to the LEGO Family Run through Active.

LEGO Systems Inc. is the Americas division of the LEGO Group, a privately-held, family-owned firm based in Billund, Denmark. The mission of Channel 3's Camp is to provide year-round opportunities to children, families and communities through recreational and educational programs that promote friendship, learning and growth.

leaf bags for purchase

Tipper Barrels are now in Enfield residents who provide for the brown yard waste season at the Town of Enfield.

Public meeting will outline natural hazard mitigation plan

ENFIELD - The Capitol Region Council of Governments (CROCOG) and the 30 municipalities in the region have prepared a draft Natural Hazard Mitigation Plan Update. This Plan outlines how the region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on local communities. There will be opportunities for public comment at this meeting, which will take place at 7 p.m. on Wednesday, Oct. 2 in the council chambers at Enfield Town Hall.

Written comments may be submitted by October 11, 2013 to: CROCOG, 241 Main St., Hartford, CT 06106 or via email to lpikedisanto@croco.org. For more information, go to www.croco.org.

Hartford Courant News Article

88 THURSDAY, OCTOBER 3, 2013 THE HARTFORD COURANT
CONNECTICUT

HARTFORD
vdelaatorre@courant.com
www.courant.com/community/hartford

JESSE LEAVENWORTH
 MANCHESTER
jleavenworth@courant.com
www.courant.com/community/manchester

BILL LEUKHARDT
 SOUTHWINGTON, BERLIN, PLAINVILLE
bleukhardt@courant.com
www.courant.com/community/southwington
www.courant.com/community/berlin
www.courant.com/community/plainville

PETER MARTEKA
 GLASTONBURY
pmarteka@courant.com
www.courant.com/community/glastonbury

MIKAELA PORTER
 ENFIELD
mporter@courant.com
www.courant.com/community/enfield

NICK BONDINONE
 FARMINGTON, SIMSBURY

ENFIELD

Disaster Preparations Discussed

By MIKAELA PORTER
mporter@courant.com

ENFIELD - With an eye toward dealing with natural disasters, residents met with regional officials in town hall Wednesday night to comment on an updated five-year plan.

The plan, proposed by the Capitol Region Council of Governments, looks to obtain generators for shelters, modify zoning and planning regulations, and increase and update the public works fleet by upgrading or replacing snow plows.

Mayor Scott Kaupin invited CROCOG officials to meet with residents and discuss some of the approaches the town looks to

take in the next five years after the plan is adopted.

CROCOG works with the 30 municipalities in the Hartford region, and plans natural disaster preparations for each town and ways they can work together.

Most of the concerns the CROCOG has for Enfield deal with snow removal and flooding along Route 5, Enfield Square and Enfield High School.

Few residents attended the meeting. One who did, Melissa Everett, voiced concern about community involvement and communication in disaster preparation.

Though the town's website has an emergency contact system, Everett said she was interested in opportunities to get local

residents together and spread awareness.

According to Senior Planner and Policy Analyst Lynne Pike DiSanto, a senior planner and policy analyst for CROCOG, the town's disaster plans were put in place in 2008 and must be updated this year as part of the five-year plan.

The plan goes beyond flooding, DiSanto said, and includes a geographic information-gathering system; a computer mapping system with a database; a road resurfacing program; access issues regarding flooding; ways to tackle slope deterioration along the west bank of the Scantic River; updating the emergency alert system through social media; and a Community Emergency Response Team.

Enfield E-TV Posting of October 2, 2013 Public Meeting

The Town of Enfield, Connecticut - Town Meeting Videos On-Demand

<http://www.enfield-ct.gov/content/91/109/13102/20588.aspx>



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E-TV Web Video On-Demand

RECENT MEETINGS

Visit the [Enfield Television YouTube Channel](#) for a full list of available videos.



[Enfield, CT, USA - Capitol Region Natural Hazards Mitigation Plan Update - October 2, 2013](#)



[Enfield, CT, USA - Planning and Zoning Commission - September 19, 2013](#)



[Enfield, CT, USA - Inland Wetlands and Watercourses Agency - September 17, 2013](#)



[Enfield, CT, USA - Elections 2013 - Ballot Drawing - September 17, 2013](#)



Visit the [Enfield Television YouTube Channel](#) for a full list of available videos.

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Monday - Friday 9:00 am to 5:00 pm
(860) 253-6300 | [Directions to Town Hall](#)

Last Modified: 7/23/2013 3:30:44 PM

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[Weather Forecast](#)



State of Connecticut

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
DRAFT PLAN REVIEW**

**October 1, 2013 5:30 pm
Hartford Public Library, Hartford**

ATTENDANCE

A Hartford resident, Stephan Thal, who serves on the Capitol Region Emergency Planning Committee's (CREPC) Regional Emergency Support Function RESF-19 Functional Needs Management attended. Another Hartford resident and representative of the Connecticut Coalition for Environmental Justice, Martha Kelly, attended after the meeting ended at 6:45 pm.

Municipal and CROCOG representatives who attended were:

Mike Bisi	Town of Glastonbury, Sanitation Superintendent
Chief Carlos Huertas	City of Hartford, Fire
Deputy Chief Leigh Shapiro	City of Hartford, Fire
Bill Perkins	CROCOG
Lynne Pike DiSanto	CROCOG

SUMMARY OF PUBLIC COMMENTS

Because Mr. Thal had attended another recent presentation on the draft plan update, he said it was not necessary for Mr. Perkins to present his prepared PowerPoint presentation. He commended those who worked on the update for their efforts. He asked if all eight natural hazards described in the plan affected the area. Mr. Perkins confirmed that the Capitol Region had experienced all eight of the profiled hazards although some, such as forest fires, are not of concern to all communities of the region. Ms. Pike DiSanto added that earthquakes are experienced here frequently but do not usually cause damage.

Mr. Thal said there was a need for towns to involve those with functional needs in emergency planning and preparedness drills. He said it is difficult for some with functional needs to participate because often they cannot drive. He said there are also difficulties in identifying those with functional needs who may need to be contacted in the event of emergencies because relatively few are included in registries. He said participation in registries is voluntary. He said CROCOG should assist in helping towns reach out to those with functional needs. He suggested CROCOG should consider hosting a workshop. He said it would be helpful to involve agencies and organizations that work with people who have various functional needs to help reach out to their clientele. Ms. Pike DiSanto said one of the regional objectives proposed in the plan is for CROCOG to assist municipalities in implementing hazard mitigation strategies and CROCOG could organize a session in conjunction with CREPC. Mr. Thal also asked if the plan dealt with recovery issues and Mr. Perkins explained that the plan focused on mitigation rather than on recovery.

After those in attendance left and the Library staff had closed the audio visual equipment, Ms. Kelly entered. She asked for information about the plan and Mr. Perkins and Ms. Pike DiSanto briefly described the plan and types of mitigation measures proposed. She also expressed concern for those with functional needs. She was advised of the upcoming meeting in Enfield and was given copies of the Executive Summary, Hartford's section of the plan and the draft plan to review.

**MEETING SUMMARY
CAPITOL REGION NATURAL HAZARD MITIGATION PLAN UPDATE
DRAFT PLAN REVIEW**

**October 2, 2013 7:00 pm
Enfield Town Hall Council Chambers, Enfield**

ATTENDANCE

The mayor of Enfield, Scott Kaupin, two Enfield residents and a reporter from the Hartford Courant attended the meeting. CROCOG representatives who attended were Bill Perkins and Lynne Pike DiSanto.

PRESENTATION

Mr. Perkins gave a PowerPoint presentation describing the purpose of the plan, planning process, the natural hazards affecting the region, and the mitigation efforts identified by the municipalities and CROCOG. He discussed the region's experience with flooding, hurricanes, winter storms, tornados, dam failures, droughts, earthquakes and forest fires. He outlined the types of mitigation actions proposed by the towns and region to help prevent or lessen the impacts of natural hazards locally. Attendees were given copies of the executive summary and Enfield's section of the plan.

SUMMARY OF PUBLIC COMMENTS

Prior to the presentation, one Enfield resident expressed his concern about the flooding in the vicinity of I-91 and Route 5. The Mayor explained that the Town was seeking funding to make improvements in this area.

Following the presentation, the other Enfield resident asked about other public meetings held on the plan update. Mr. Perkins explained that seven meetings were held throughout the region this summer to gather input on residents concerns and suggestions for mitigation measures. He said a meeting on the draft plan was also held the previous evening in Hartford. This same resident expressed interest in Low Impact Development (LID) Techniques. Mr. Perkins said CROCOG provides some guidance in publications available on the CROCOG website. Ms. Pike DiSanto said that towns may need to amend their zoning and erosion control regulations and revise engineering design standards to allow Low Impact Development Techniques to be used. Mr. Kaupin said the Town of Enfield also has information on its website regarding LID. The resident expressed her concern about public alerting systems and outreach to the public on preparedness. She asked about techniques towns are using to get citizens more involved in disaster preparation and response. Mr. Perkins said techniques vary from town to town and include website postings, notices to accompany tax bills, and efforts to develop Community Emergency Response Teams. He said the Capitol Region has developed a new website, Get Ready Capitol Region, to provide helpful information to residents.

WRAP UP

Mr. Perkins thanked the attendees for coming and reminded them the public comment period is open until October 11th. (Note: The presentation was recorded for posting on the Town of Enfield's E-TV website.)

Lynne Pike DiSanto

From: Peck Hiram [hpeck@simsbury-ct.gov]
Sent: Wednesday, October 23, 2013 9:59 AM
To: Lynne Pike DiSanto
Cc: Emily Hultquist; Glassman Mary; Cooke Thomas; Mazurski Susan; Vibert Carrie; Beach Howard; Roy Thomas; Sawitzke Richard
Subject: CRCOG Natural Hazards Mitigation Plan 2013

Lynne; I wanted to let you know that I have reviewed the Executive Summary of the 2013-2018 Natural Hazards Mitigation Plan with the Simsbury Land Use Commissions. The Zoning Commission, The Planning Commission and the Design Review Board all voted to agree to generally support the Plan with specific attention to:

Objective 1: Improve stormwater management and groundwater recharge throughout the region to prevent increased flooding and lessen the effects of drought. Especially Mitigation actions 1.1. through 1.4.

The Commissions all agreed that these actions will provide valuable backup for local policies and regulations on LID and green infrastructure that the Town has been working hard on for some time. They also fit in well with our recent Beyond LID Stormwater Management, Stormwater module and design guidelines for LID and green infrastructure.

Thank you for the opportunity to review this Plan and comment. We hope these comments are helpful to you regarding the formal adoption of the Plan by the various municipalities in the CRCOG region.

Yours truly,

Hiram Peck
Director of Planning and Community Development.
Simsbury



PEDRO E. SEGARRA
MAYOR

CITY OF HARTFORD

HARTFORD FIRE DEPARTMENT
253 High Street
Hartford, Connecticut 06103
P: (860) 757-4500
Fax: (860) 722-8205
<http://www.hartford.gov/fire>



CARLOS M. HUERTAS
INTERIM FIRE CHIEF /
EMERGENCY
MANAGEMENT
DIRECTOR

PUBLIC COMMENT DEADLINE OCTOBER 31, 2013

--- MEDIA ADVISORY ---

Hartford, CT -- (October 23, 2013) The Capitol Region Council of Governments (CRCOG) and the thirty municipalities in the Capitol Region have prepared a draft Natural Hazards Mitigation Plan Update. This Plan outlines how the Region and municipalities will work to lessen or prevent the impacts of flooding, hurricanes, winter storms and other natural hazards on our communities. We invite you to review the draft plan and give us your comments.

Written comments may be submitted by October 31, 2013 to:

CRCOG, 241 Main St., Hartford, CT 06106,
or via e-mail: lpikedisanto@crcog.org.

For more information and to review the full draft plan: Visit CRCOG's website –
http://www.crcog.org/community_dev/current_p_fema.html

The plan includes:

- Improving the region's ability to deal with natural disasters and reduce losses
- Reducing the need for emergency response to natural disasters
- Enabling municipalities to access FEMA Hazard Mitigation Assistance Grants upon formal adoption of an approved plan
- Improving post-disaster recovery implementation

The plan considers the following natural hazards that affect the region:

- | | |
|---------------|----------------------------------|
| • Dam failure | • Forest and Wild Land Fires |
| • Drought | • Hurricanes and Tropical Storms |
| • Earthquake | • Tornados and High Winds |
| • Flooding | • Severe Winter Storms |

Contact: Captain James McLoughlin, PIO
Office: 860-757-4505 Mcloj001@hartford.gov

City of Hartford Fire Department

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