# APPENDIX C. ADDITIONAL DOCUMENTATION

This appendix provides additional documentation of the plan development process as described in Section 2. This includes copies of meeting agendas, sign-in sheets, summary notes, and presentation slides for all Hazard Mitigation Planning Committee and Public Meetings. It also includes copies of meeting advertisements, notices, media articles, and other example documentation to demonstrate the Town of Fairhaven's efforts to promote public and stakeholder engagement in the planning process. Lastly, this section includes a copy of a completed FEMA Regulation Checklist to confirm that the plan meets all requirements of Title 44 Code of Regulations (CFR) 201.6.

Appendix C consists of the following three subsections:

# **C.1. Hazard Mitigation Planning Committee Meetings** (beginning on page C-2)

- Meeting Agendas
- Sign-in Sheets
- Summary Notes
- Presentation Slides

## **C.2. Public and Stakeholder Engagement Activities** (beginning on page C-56)

- Public Engagement Strategy
- Screenshots of Project Websites
- Project Fact Sheet
- Press Releases
- Media Articles
- Public Meeting Notices/Advertisements
- Public Meeting Sign-in Sheets
- Public Meeting Presentation Slides
- Postcard Notifications (Public Opinion Survey)
- Public Opinion Survey
- Public Opinion Survey Results

## C.3. FEMA Local Mitigation Plan Review Tool (beginning on page C-140)

# **C.1. HAZARD MITIGATION PLANNING COMMITTEE MEETINGS**

- Meeting Agendas
- Sign-in Sheets
- Summary Notes
- Presentation Slides



# **Town of Fairhaven**

# Department of Planning & Economic Development

Town Hall • 40 Center Street • Fairhaven, MA 02719 Telephone (508) 979-4082, Ext. 9 • FAX (508)-979-4087

# MEETING NOTICE

# **Hazard Mitigation Plan**

Local Planning Team

PLACE OF MEETING: <u>Town Hall</u>

DATE AND TIME: Thursday, January 12, 2017 at 1:30PM

MEETING TYPE: <u>Meeting</u>

William D. Roth December 22, 2016

Director Date

# **AGENDA**

# Thursday, January 12, 2017 at 1:30 PM Banquet Room

# 1:30–3:00 P.M. (Local Planning Team (LPT))

- 1. Introductions
- 2. Overview of Plan Development Process
  - a. Purpose
  - b. Scope of work
  - c. Schedule
- 3. Review LPT Member Roles and Responsibilities
- 4. Review Draft Public Engagement Strategy
- 5. Identify Key Data and Resources
- 6. Open Discussion
  - a. Potential opportunities/synergies
  - b. Potential conflicts/impediments
  - c. Other local issues, concerns, or ideas
- 7. Next Steps



# **Town of Fairhaven**

# Department of Planning & Economic Development

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# MEETING NOTICE

# **Hazard Mitigation Plan**

Stakeholder Group

PLACE OF MEETING: <u>Town Hall</u>

DATE AND TIME: Thursday, January 12, 2017 at 3PM

MEETING TYPE: <u>Meeting</u>

William D. Roth December 22, 2016

Director Date

# **AGENDA**

Thursday, January 12, 2017 at 3PM Banquet Room

# 3:00-4:00 P.M. (Stakeholder Group with LPT)

- 1. Welcome and Introductions
- 2. Project Overview
- 3. Initial Hazard Identification and Needs Assessment
- 4. Other Local Issues, Concerns, or Ideas
- 5. Next Steps

Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #1 January 12, 2017

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Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #1 January 12, 2017

Name	Title / Affiliation	Phone	E-mail	
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# Town of Fairhaven, Local Hazard Mitigation Plan Local Planning Team (LPT) Meeting #1

**Date:** January 12, 2017

Time: Steering Committee at 1:30 PM EST; Stakeholder Committee at 3:00 PM EST

## **Meeting Summary**

Assembled the LPT for an introduction and overview of the plan development process, including descriptions of individual roles and responsibilities of committee members. Facilitated initial hazard identification, needs assessments, and other data collection efforts to capture early input and ideas on all aspects of the plan development process. Most discussion surrounded local issues, concerns, and ideas as it relates to the greatest risk and resilience challenges facing the town. The meeting also provided the opportunity for the Steering Committee to solicit input on the draft Public Engagement Strategy designed to generate public interest, solicit citizen input, and engage additional partners in the plan development process.

## **Meeting Attendees**

# **Steering Committee:**

- William Roth, Director of Planning and Economic Development
- Timothy Francis, Fire Chief
- Wayne Fostin, Building Commissioner / Conservation Agent
- Vincent Furtado, BPW Superintendent
- Marc Jodoin, Director, Emergency Management Agency
- Roger Gautreau, Deputy Director, Emergency Management Agency
- Darrin Punchard, Punchard Consulting LLC (consultant)
- Jamie Caplan, Jamie Caplan Consulting LLC (consultant)

#### Stakeholder Committee:

- Susan Sullivan, Citizen / Floodplain Resident
- Terrence Meredith, West Island Representative
- Kris Sheedy, Fairhaven Housing Authority
- Warren Rensehausen, Recreation Center
- Wayne Hayward, Planning Board Chair
- Barbara Acksen, Fairhaven Improvement Association
- Kevin McLaughlin, Fairhaven Shipyard Company
- Mark Rees, Town Administrator (partial attendance)

#### **Meeting Notes: Steering Committee**

#### **General Points**

- Recommend holding a future public meeting on West Island
- Sea Level Rise Report includes all pump stations (prepared by SeaPlan for Buzzards Bay National Estuary Program)
- West Island Weather Station (<u>www.westislandweather.com</u>) Run by M.L. Baron, excellent resource for pictures, videos, and local info
- Stantec is working on sewer/WWTP report for DPW

#### **Critical Facilities**

- Hastings Middle School is #1 shelter
- Wood Elementary School is back-up shelter
- No more trailers. MEMA and regional HS council now considering concept of regional caches for people to go to for what they need versus pre-staging shelters with everything (spread out over 96 community region)
- Only dam washed away (Mill Rd); though series of very small structures near sewer dept. facility
- WWTP not located in floodplain; FST/Stantec now working on plans for upgrades, energy efficiency improvements, etc.

## Capabilities

- EMA has 60 cots
- Fire Chief works on Sheltering/Animal Shelter, and serves as vice-chair for S.E. MA Regional Homeland Security Council (representing 96 communities)
- Fire Department opens and closes Slew Way at Egypt Lane
- Fire Truck 32 years old
- Rt 6 not a manned fire station, has some reserve equipment
- ISO Fire Rating = 3. BCEGS? (TBD)
- Hurricane Barrier
  - HURRICANE BARRIER: Fort Street and Old Fort Road, daylight hours. Built by the U.S.
     Army Corps of Engineers in the mid-1960s to protect the inner harbor from storm surges, this granite barrier is the largest man-made stone structure on the east coast.
     The public may walk on the barrier to the massive gates for views of the inner and outer harbor and for a close-up view of boat traffic.

# **High Hazard Areas**

- Wildfires not a major concern, aside from usual brushfires which are usually suppressed quickly
  - o Cat Tails and invasive phragmites catch fire near Town Beach
  - Also wide swath of wildfire risk from New Boston Rd to Mill Rd, north of interstate (densely forested area with no fire roads)
  - o Bayview lost houses in early 1980's when cat tails caught fire
  - Southern end of Farmfield St. also considered risk area
  - Fires near old Town dump on West Island
  - Three homes burned during winter storm/blizzard of 2015/2016?
- Nash Riverway floods during every 100-year storm
- Flood concern = dyke/culvert near G Bourne Knowles (267 Huttleston Avenue, Route 6)
- Egypt Lane seaward of hurricane barrier
- Causeway to West Island floods during king tides, major storms, etc. restricting access to/from. Fire risk = No fire trucks will ever be pre-positioned on island before/during storm.
- Lots of hazardous materials in shipyard / industrial waterfront area

#### **Meeting Notes: Stakeholder Committee**

# **General Points**

- CRS very important to a small percentage of people
- Learn about the Hurricane Barrier, maintained by Army Corps of Engineers
- Town doesn't have an adequate animal sheltering plan people won't leave home without animals and no shelters equipped (though required by State?)

- Hurricane barrier not closing is biggest concern for Shipyard (controlled by USACE). Only slough ways operated/maintained by Town
- Citizen concerns:
  - Coordination on post-storm power/phone line repairs/restoration has gotten better over years.
  - Stormwater runoff, old drain pipes
  - Gas leaks

# **Housing Department Information**

- Has its own EM plan
- 278 1 bedroom apartments
- 6 different locations with family units
- Power loss is big issue. Have 1 portable generator with transfer switches at 2 buildings only provides power to common areas
- Oxford Terrace is primarily for elderly
- Common Areas could be a rest area for 1<sup>st</sup> responders, a shelter, a warming station need a generator at Oxford Terrace to run more than just kitchen and common areas.
- McGann Terrace (for seniors) 1 common building can accept generator hookup, but individual units won't get power
- Do NOT have a transportation plan

#### **Education and Future Public Outreach**

- Recommend educating people about electrical safety, also solar installations still need some electricity
- Would like a robust web page

#### Tree Warden

- Can't handle a disaster on his own
- Trees pose widespread threats across town for property damage, ingress/egress, power outages, etc.

#### Communication

Many elderly still listen to radios – maybe capture that info in survey

#### Insurance

• Is this for named storms only? Darrin has more info and will research.

## **West Island Concerns**

- These folks have a higher level of preparedness
- Long history of not leaving during a storm
- Causeway impassible following a storm, residents are concerned about re-entry
- Water gets shut off which leaves residents isolated

#### **Recreation Center**

- In the early stages of it becoming an adequate shelter, have showers, kitchen and room for pets
- Needs a generator

#### To Do List

Additions to LPT List (or at least add to targeted mailing list for public meetings, survey, etc.)

News columnist to the stakeholder list

- Nye Lubricants, other business owners?
- Make sure all Improvement Associations are included, Fairhaven, West Island, East Fairhaven,
   North Fairhaven
- Invite President of Fairhaven Business Association
- Local insurance agency reps
- Church Representatives
- Tree Warden
- Board of Health
- Police Department
- Harbormaster
- Jeff Osuch previous Town Manager and DPW Director
- Representative from Town's Sustainability Committee (Green Fairhaven)

#### **Get Additional Information**

- Housing Authority has an Emergency Response Plan and detailed data on all special needs for vulnerable populations.
- GIS data most current/accurate data can be made available from CAI and/or MassGIS; and DPW (water/sewer layers)
- West Island Weather Station ML Barron, find on Facebook he has pictures
- Hurricane All Hazards Plan (Ann has a copy, updated in June)
- Ann also has list of all propane gas tanks in town
- EOP plan filed with MEMA
- CAV from FEMA in early 90's?

#### **Possible Mitigation Actions**

- Oxford Terrace generator elderly housing, with large common area suitable to serving the Town and 1<sup>st</sup> Responders
- New First Responder Facility (fire and police)
- New EMA Clubhouse
- Rehab Rogers School (which is "rotting")
- \$7M needed for HS rehab/preservation
- Pet-friendly shelters
- Quick connects and generators for Rec Center and Senior Center, and Housing Authority properties (see above). Address critical social vulnerabilities.
- Education and awareness (e.g. website/flyer, PSAs, etc.) on electrical/generator safety (homes and businesses)
- Outreach on seismic design/supply standards for large commercial facilities
- Outreach to farming community on climate change adaptation (beekeepers, etc.)
- Dealing with West Island residents who won't evacuate? Many accept risks that they don't fully understand, others feel they have no place to go (especially w/ pets). Delayed re-entry to island also another major disincentive to leave.
  - 250+ people stayed on island during Hurricane Carol in 1954.
  - o Causeway was not passable after Hurricane Bob in 1991

## **Future Meetings**

- Schedule a 1x1 meeting with DPW, Vinny responsible for highway, water, sewer
- Schedule public meeting on West Island
- Future LPT meetings:

- Late afternoons work best.
- Keep Stakeholder and Steering Committee meetings separate? Most say yes, but let's revisit with Bill.
- o Make sure they are well advertised as open to the public, and televised!
- Future public meetings:
  - Need to use more creative/persuasive ads and notices (tell people why this process affects them)
- Jeff Osuch former Town Administrator with decades of history/experience in Fairhaven. Key resource for local anecdotal data on hazard events, etc.
- Next LPT Meeting, March 14<sup>th</sup> @ 1:30pm

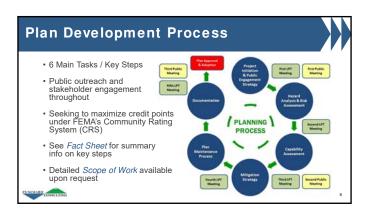


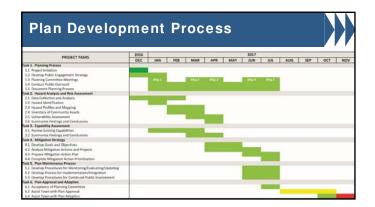




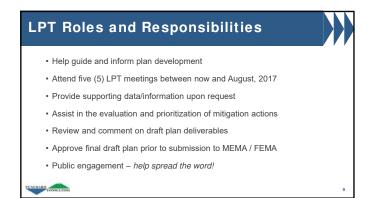




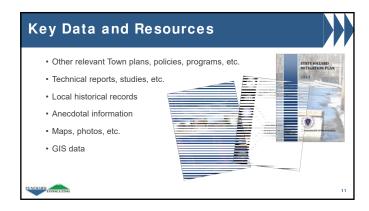


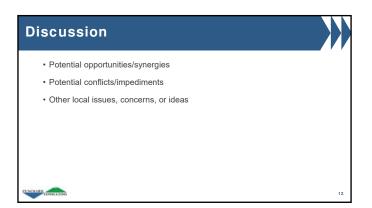












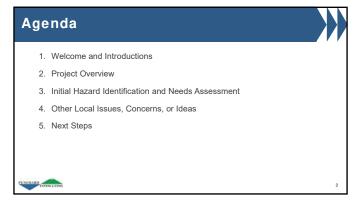
# **Next Steps**

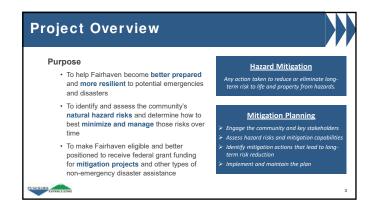
- Finalize Public Engagement Strategy and begin outreach efforts
- Finalize membership for Stakeholder Committee; gain formal recognition of LPT from Board of Selectmen
- Continue data and information collection efforts
- Complete hazard identification task
- Schedule next LPT meeting (March 2017)



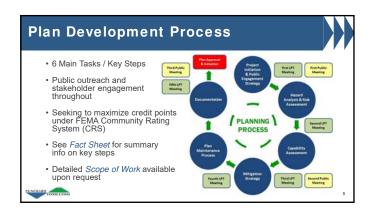
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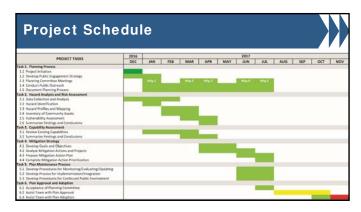














# LPT Roles & Responsibilities

- · Help guide and inform plan development
- Attend five (5) LPT meetings between now and August, 2017
- · Provide supporting data/information upon request
- · Assist in the evaluation and prioritization of mitigation actions
- · Review and comment on draft plan deliverables
- · Approve final draft plan prior to submission to MEMA / FEMA
- Public engagement help spread the word!



**Public Engagement Strategy** Objective To generate public interest, solicit citizen input, and engage additional partners in the plan development process · Local Planning Team · Stakeholder Committee Public Outreach > Project Fact Sheet > Public Meetings > Public Opinion Survey > Project Website ➤ Media

# Initial Hazard ID and Needs Assessment

- 1. What type of **natural hazard** is of most concern to you?
- 2. What **potential impacts** are the greatest threat to you, your home, your neighborhood, your business, or the community as a whole?
- Which locations, populations or community assets do you consider to
- 4. What types of mitigation actions are most needed?

# Natural Hazards (current SHMP)

- Coastal Hazards
- Dam Failure
- Earthquake
- (including Ice Jam)
- · Hurricane/ Tropical Storm
- Major Urban Fires
- Nor'easter

- · Severe Weather (including Thunderstorm, High Wind, Tornado, Drought, and Extreme Temperature)
- Severe Winter Weather (including Snow & Blizzard, and Ice Storm)
- Tsunami
- · Wildland Fire



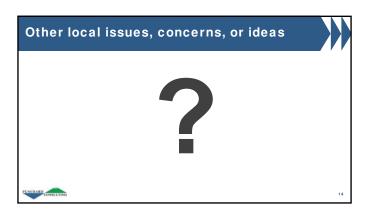
# Natural Hazards (SHMP update)

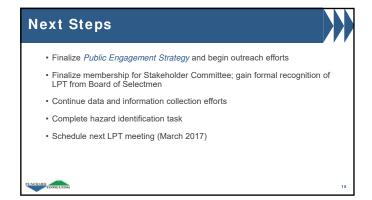
- · Average/Extreme Temperatures
- · Coastal Erosion
- · Coastal Flooding
- Dam Failure
- Drought
- Earthquake
- Flooding
- · Hurricanes/Tropical Storms
- Landslide
- · Sea Level Rise

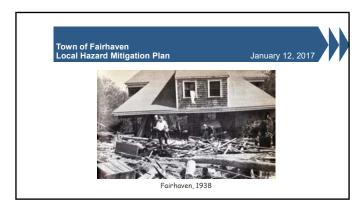
- · Severe Weather
- · Severe Winter Storm
- Tsunami
- Wildfires

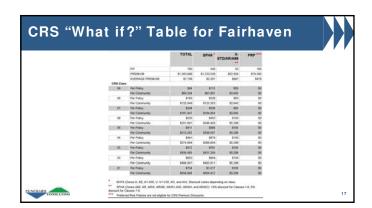


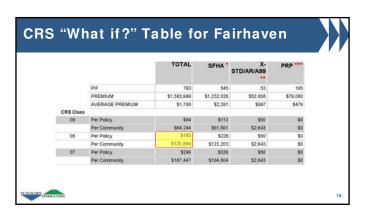


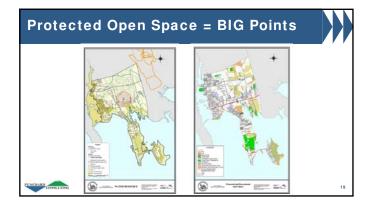














# **Town of Fairhaven**

# Department of Planning & Economic Development

Town Hall • 40 Center Street • Fairhaven, MA 02719 Telephone (508) 979-4082, Ext. 9 • FAX (508)-979-4087

> MEETING NOTICE <u>**REVISED**</u>

**Hazard Mitigation Plan** 

Local Planning Team Stakeholder Committee

PLACE OF MEETING: <u>Town Hall</u>

DATE AND TIME: Thursday, March 16, 2017 at 2:00PM

MEETING TYPE: <u>Meeting</u> \_\_\_\_\_

William D. Roth March 9, 2017

Director Date

# **AGENDA**

# Thursday, March 16, 2017 at 2:00 PM **Banquet Room**

2:00-3:30 P.M. Local Planning Team & Stakeholder Committee

- 1. Introductions
- 2. Project Status
  - a. Overview
  - b. Data collection & analysis
  - c. Public outreach
- 3. Hazard Identification
  - a. Results and recommendations
  - b. Hazard ID exercise
  - c. Priority Risk Index (PRI) review
- 4. Capability Assessment
- 5. Open Discussion
- 6. Next Steps

Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #2 March 16, 2017

Name	Title / Affiliation	Phone	E-mail	
FOWLE, PATRICIA	BOH-HYENT	508-919-4022	BOHO FRIRHMEN MA.GOV	20
WAYNE FOSTIN	Buining Dent	3108-518-8015	Building Frai RAREN- MN. 600	50
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BRIAN BONCULL	TREE WARDEN	1180576417	drbow co west come	
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Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #2 March 16, 2017

E-mail	Chief & fairhader police. 519	rasmussen @ Savebonadaben, og				
Phone	508-997-7421	SS 499-6363				
Title / Affiliation	Chiefof Police	Burrauch Bay Coolution				
Name	Michael J. Mes	Mark-Pasmuseen	,			

# Town of Fairhaven, Local Hazard Mitigation Plan Local Planning Team (LPT) Meeting #2

Date: March 16, 2017 Time: 2:00 PM EST

## **Meeting Agenda**

- 1. Introductions
- 2. Project Status
  - a. Overview
  - b. Data collection & analysis
  - c. Public outreach
- Hazard Identification
  - a. Results and recommendations
  - b. Hazard ID exercise
  - c. Priority Risk Index (PRI) review
- 4. Capability Assessment
- 5. Open Discussion
- 6. Next Steps

### **Meeting Attendees**

#### Steering Committee:

- William Roth, Director of Planning and Economic Development
- Wayne Fostin, Building Commissioner / Conservation Agent
- Vincent Furtado, BPW Superintendent
- Gary Lavalette, Emergency Management Agency
- Darrin Punchard, Punchard Consulting LLC (consultant)

#### Stakeholder Committee:

- Terrence Meredith, West Island Representative
- Warren Rensehausen, Recreation Center
- Wayne Hayward, Planning Board Chair
- Barbara Acksen, Fairhaven Improvement Association
- Mark Rasmussen, Buzzards Bay Coalition
- Patricia Fowle, Board of Health
- Michael Myers, Police Department
- Brian Bowcock, Tree Warden

## **Meeting Summary**

- Presented an overview of project progress and discussed public outreach and data collection and analysis efforts completed to date.
- Reviewed and confirmed the current inventory of best available data and information to support
  the hazard analysis and risk assessment and shared initial hazard identification findings to date.
  This included some additional discussion on critical facilities and other community assets to be
  included in the GIS-based exposure analysis completed as part of the risk assessment.

<sup>\*</sup> Also in attendance: Bobby Bruso, Public Access Television (meeting video recorded for rebroadcast)

- Provided a summary of the Public Opinion Survey and sought additional ideas for the next Open Public Meeting, including possible locations, dates/times, and ways to promote and encourage higher attendance.
- Presented and discussed the detailed, draft outline for the plan document.
- Presented a high-level summary of each hazard identified as significant risk for Fairhaven, including preliminary hazard maps and statistics on historical events and impacts. Final hazard identification and screening determinations were made upon completion of an interactive Hazard ID exercise with all LPT members.
- Shared and affirmed Priority Risk Index (PRI) methodology via consensus from all LPT members.
- Began to solicit input from applicable Steering Committee members on the capability assessment, including confirmation of existing relevant plans, regulations, studies, and other technical reports.
- Discussed next steps, including the completion of the risk and capability assessments and the beginning of mitigation strategy development, as well as future LPT and Open Public Meetings.

# Notes/Key Takeaways:

#### **General Points**

- Hard copy version of the Public Opinion Surveys would be helpful for seniors and others without
  internet access. Punchard Consulting noted that a printable/PDF version of the survey is
  available and the team will include hard copy responses in the summary presentation of survey
  results, and possibly manually enter into SurveyMonkey.
- Ideas for next Public Meeting
  - o PSAs via Public Access TV
  - Combine ads with outreach/promotion for other upcoming events
  - Raffle/door prizes (Punchard Consulting already has some)
  - Guest speaker(s)?
  - Provide project update at annual Hurricane Preparedness / BOS meeting to be held on West Island in June/July (separate from Public Meeting)
- Current FIRMs include a Shaded X Zone, illustrating areas that are protected from the 100-year event by the hurricane barrier. Would be nice to include exposure data for this zone in addition to A Zones and V Zones. Punchard Consulting indicated this could likely be done.
- Wayne Fostin indicated there was a confirmed tornado in Fairhaven in July 1998, despite not showing up in NWS records that were presented. He will share photos of damage at Fairhaven Lumber and additional info as available.
- Outstanding GIS data
  - Vinnie indicated he will get with Linda ASAP to make sure the consultant team has access to any/all requested data layers from BPW.

# Other Critical Facilities / Community Assets?

- Hastings Middle School (#1 shelter)
- Wood Elementary School (#2/back-up shelter)
- Town Animal Shelter referring to sunny day shelter (not for emergency sheltering)
- Rec/Senior Center (Council on Aging)
- EMA facility?
- Housing Authority properties
- Pump stations

#### Hazard ID Exercise (Ranking Results)

After reviewing and discussing the nine hazards identified as significant for Fairhaven, Punchard Consulting facilitated an interactive exercise to help gain an understanding and some consensus on what the LPT deemed to be the most significant hazards for mitigation planning purposes. Each attending LPT member was given \$50 in mock currency and presented with the following challenge question: "You are a modern-day Henry Huttleston Rogers. How will you spend your mitigation money?"

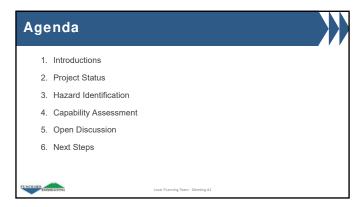
Each LPT member was then provided the opportunity to deposit their money into nine different buckets – one for each hazard. The results were as follows:

- 1. Coastal Storms (\$155)
- 2. Coastal Erosion and Shoreline Change (\$155)
- 3. Flood (\$120)
- 4. Severe Winter Storm (\$115)
- 5. Severe Weather (\$30)
- 6. Drought (\$15)
- 7. Extreme Temperatures (\$5)
- 8. Fire (\$5)
- 9. Earthquake (\$0)

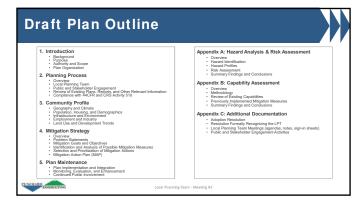
## **Future Meetings**

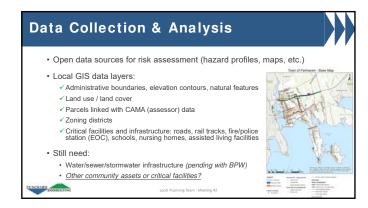
- Next LPT Meeting (#3) and Open Public Meeting (#2) will likely be held in late May or early June (still TBD). Town is aiming for the Open Public Meeting to be held at the Rec/Senior Center.
- During next visit, schedule additional CRS interviews and set up meeting with Vinnie Furtado,
   DPW (responsible for highway, water, sewer)
- Schedule possible meet up with Jeff Osuch former Town Administrator with decades of history/experience in Fairhaven. Key resource for local anecdotal data on hazard events, etc.



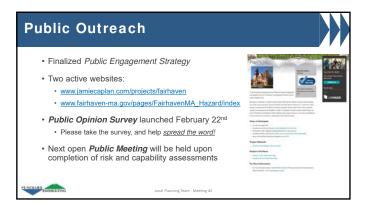




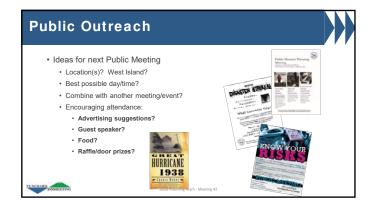


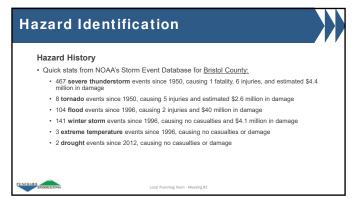


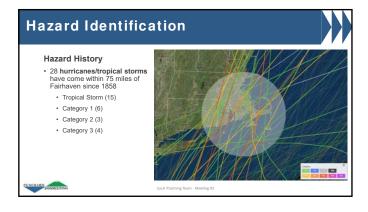


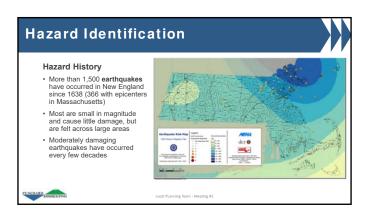


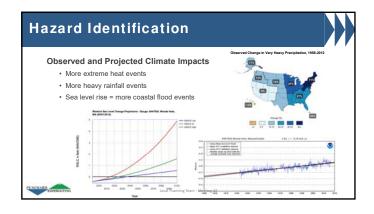


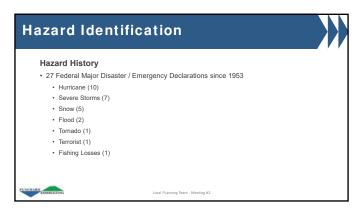


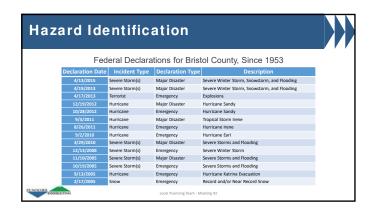


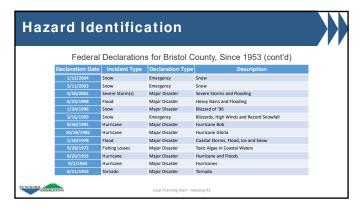


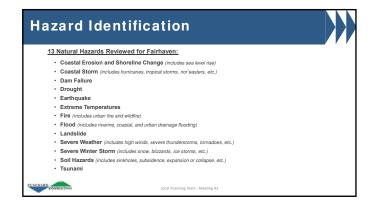


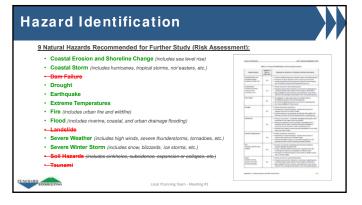


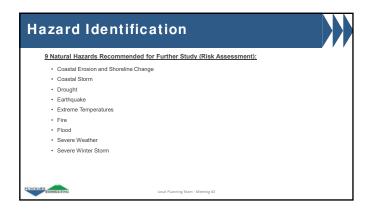




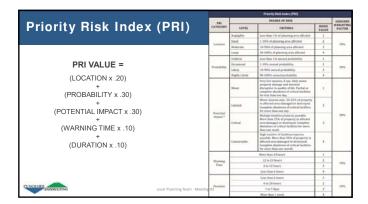


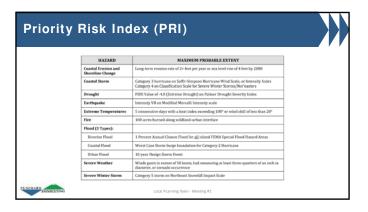


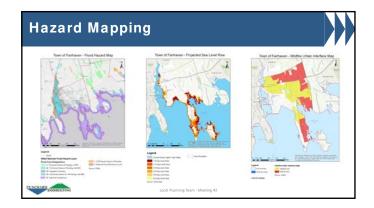


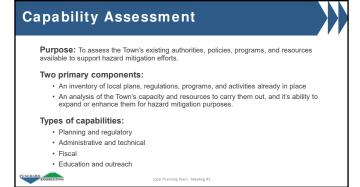


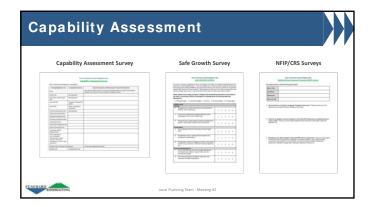


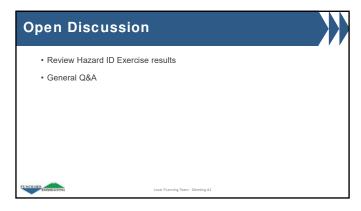


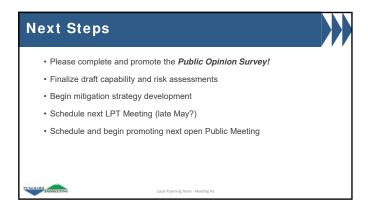














# **Town of Fairhaven**

# Department of Planning & Economic Development

Town Hall • 40 Center Street • Fairhaven, MA 02719 Telephone (508) 979-4082, Ext. 9 • FAX (508)-979-4087

# MEETING NOTICE

# **Hazard Mitigation Plan**

<u>Local Planning Team</u> <u>Stakeholder Committee</u>

PLACE OF MEETING: <u>Town Hall</u>

DATE AND TIME: Wednesday, June 7, 2017 at 1:30PM

MEETING TYPE: Meeting \_\_\_\_\_

William D. Roth May 31, 2017

Director Date

# **AGENDA**

# Wednesday, June 7, 2017 at 1:30 PM **Banquet Room**

1:30–4:00 P.M. Local Planning Team & Stakeholder Committee

- 1. Introductions
- 2. Project Status
- 3. Risk Assessment Results
  - a. Hazard Profiles
  - b. Vulnerability Analysis
  - c. Summary Conclusions
- 4. Capability Assessment Results
- 5. Public Survey Results
- 6. Mitigation Goals & Strategies \* *Brainstorming Exercise*
- 7. Next Steps

Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #3 June 7, 2017

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Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #3 June 7, 2017

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Phone						
Title / Affiliation	TOWN ADM. Fairehave	6,720				
Name	MARK H. REES	SUSANDULIVAN				

# Town of Fairhaven, Local Hazard Mitigation Plan Local Planning Team (LPT) Meeting #3

**Date:** June 7, 2017 **Time:** 1:30 PM EST

## **Meeting Agenda**

- 1. Introductions
- 2. Project Status
- 3. Risk Assessment Results
  - a. Hazard Profiles
  - b. Vulnerability Analysis
  - c. Summary Conclusions
- 4. Capability Assessment Results
- 5. Public Survey Results
- 6. Mitigation Goals & Strategies
  - \* Brainstorming Exercise
- 7. Next Steps

## **Meeting Attendees**

### **Steering Committee:**

- William Roth, Director of Planning and Economic Development
- Todd Correia, Deputy Chief, Fire Department
- Vincent Furtado, BPW Superintendent
- Gary Lavalette, Emergency Management Agency
- Darrin Punchard, Punchard Consulting LLC (consultant)

# Stakeholder Committee:

- Timothy Cox, Harbormaster
- Krisanne Sheedy, Fairhaven Housing Authority
- Susan Sullivan, Citizen / Floodplain Resident
- Robert Konicki, West Island Representative
- Barbara Acksen, Fairhaven Improvement Association
- Patricia Fowle, Board of Health

# **Meeting Summary**

- Provided status update on entire project, including high-level summary of tasks completed, milestones reached, and draft deliverables submitted and posted for LPT review and input.
- Reviewed and discussed final hazard analysis and risk assessment results, including hazard profiles, map figures, and vulnerability analyses.
- Shared results of the capability assessment and captured additional input and feedback to help finalize the evaluation.
- Shared results of the Public Opinion Survey (169 responses to date)
- Began to review and discuss specific hazard mitigation actions for the Town to consider as part
  of its overall mitigation strategy, based on the results of the risk and capability assessments and
  the public input received to date.

#### Meeting Notes/Key Takeaways

Comments on Risk Assessment Results (see PPT slides for copies of all information presented and discussed):

Storm surge – is a big problem. Storms historically have sent surge into the southeastern side of Sconticut Neck where the house are raised, then pushes to the other side where they aren't.

Sea level rise – should be considered a long-term concern, not a big problem today. It is expected to be a problem in the future with stronger and more frequent storms.

Drought – Not a huge concern.

Earthquake – Felt 2-3 tremors in the last year, one sounded like a "sonic boom."

Extreme Temperatures – Extreme heat is a concern, it lasts longer and there are vulnerable populations

#### Fire

- Consider housing density
- Look at the intermix between housing and wildfire
- Firefighter suggested West Island on the map should be a higher amount of danger had an incident last year, over 70 acres are wooded

#### Flood

- 17 repetitive loss properties located throughout town (see map of rep loss "areas")
- Hurricane Barrier never really been tested, by today's standards wouldn't be able to put a dike
   in
- Question What is the impact to each side of the barrier with and without it?
- Flooding problems around Cushman Park mostly resolved, through CDBG-funded stormwater improvement projects (box culvert, catch basins, and pipe size increased = can pump 18 gallons a minute)
- Flooding on July 4, 2014 120 calls in 24 hours for flooded basements

#### Severe Weather

- Includes winds, hail, lightning
- July 1, 1998 event was a microburst not a tornado as reported in draft risk assessment, but resulted in similar to tornado damage. Further research recommended.

Initial Identification/Discussion of Potential Mitigation Actions (in addition to those discussed at the first and second LPT meeting):

- 3-4 areas where snow drift creates a problem
- Education and awareness from hurricane amnesia
- Shelter System improvement
  - Seniors are not comfortable leaving home without pets to live on a cot in a gym
  - Educate them about what is available. Retrofit and fortify the Rec/Senior Center and FHA properties (senior housing) to function as shelters, as much as possible – even if just for during/after winter storms, power outages, etc.

- Do outreach and transportation for seniors
- Develop an evacuation and sheltering plan that addresses pets, in compliance with FEMA requirements
- Retrofit pump stations in critical areas pull recommendations from sewer and water report prepared by SeaPlan (per Vinnie Furtado). Includes elevation, floodproofing, generators, etc.
- Fairhaven Housing Authority needs generators
  - They have 1 generator and 4 buildings (2 have transfer switches)
- Educate seniors, especially those who are isolated, about the relative safety and comfort of shelters this isn't New Orleans, no "Superdome issues" to fear
- Conduct drills to educate seniors and better prepare the Town for evac and sheltering
  - MA Commission on Disability distributed disaster kits/backpacks in the past and the seniors really liked this
- Send a letter to everyone (versus only the owners of the 17 repetitive loss properties) to promote techniques to mitigate risk, and learn about grant funding. Consider using water utility hills
- Address the long-term sustainability and potential repair/restoration of the causeway to West Island following a major storm that destroys it.
- Prepare a PDRP (suggested by Darrin and received positive support from LPT)

#### Hazard ID Exercise (Ranking Results)

After reviewing and discussing potential mitigation actions for Fairhaven, Punchard Consulting facilitated an interactive exercise to help gain an understanding and some consensus on what the LPT considered to be the most important category/technique for potential mitigation strategies to include in the plan. Each attending LPT member was given \$50 in mock currency and presented with the following challenge question: "You are a modern-day Henry Huttleston Rogers. How will you spend your mitigation money?"

Each LPT member was then provided the opportunity to deposit their money into four different buckets – one for each identified mitigation category/technique. The results were as follows:

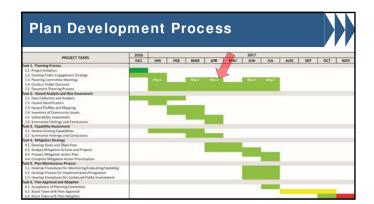
- Education and Awareness \$140
- Local Plans and Regulations \$125
- Structure and Infrastructure Projects \$95
- Natural Systems Protection \$75

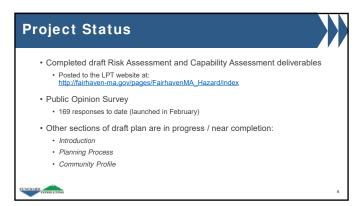
#### Other Notes:

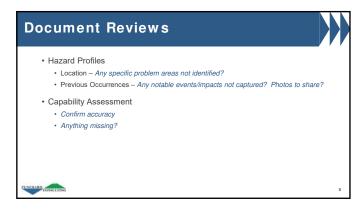
- CRS How low can we get? Not past a 7 until building code effectiveness changes.
- Get hard copy of surveys (278) to head of elderly housing and to Council on Aging. Team will manually input responses back into SurveyMonkey.
- Wind Turbines do have an emergency plan and they shut down if it's too windy
- Hazard Committee Website
  - Posted draft plans
  - Suggestions get sent to Bill for edits

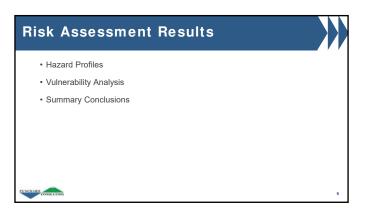




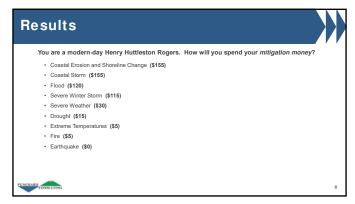




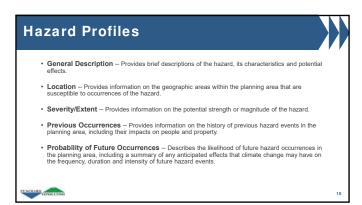


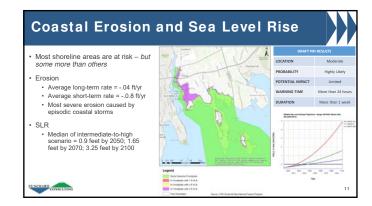


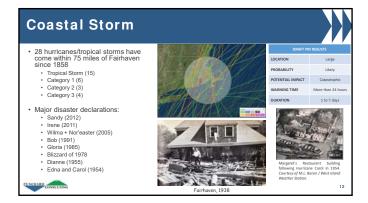


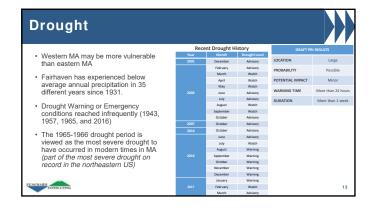


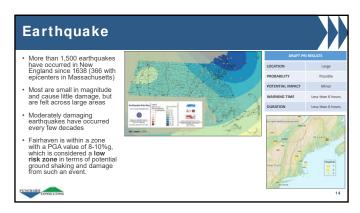


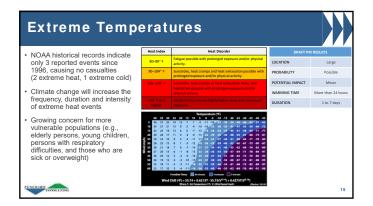


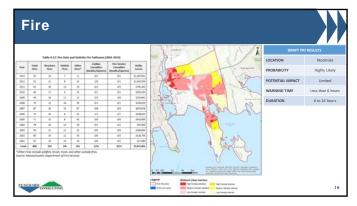


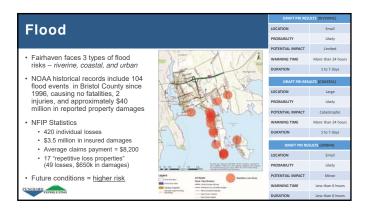


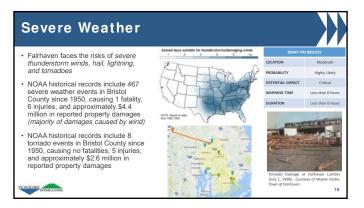


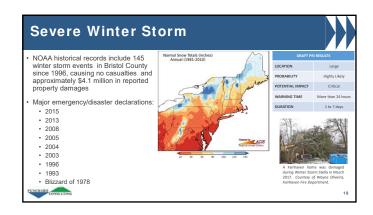


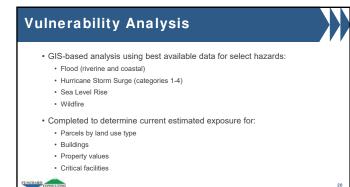


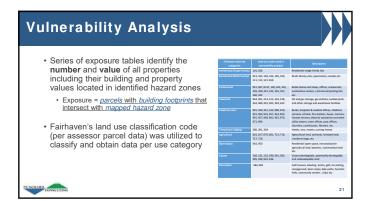


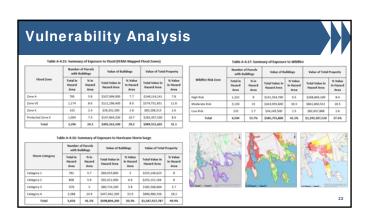


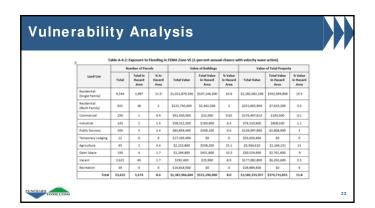


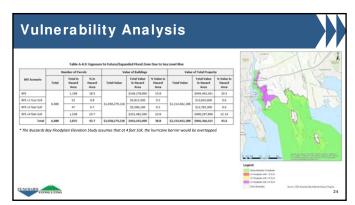


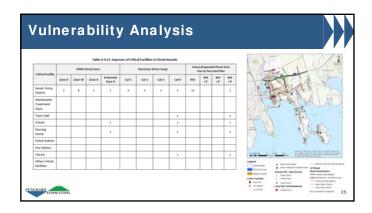


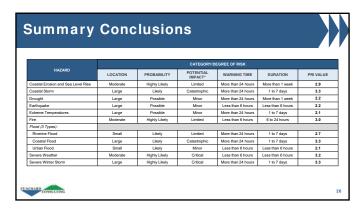


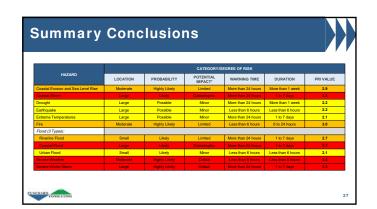


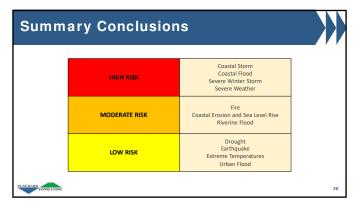


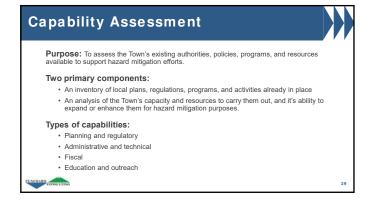


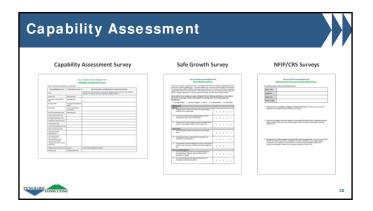


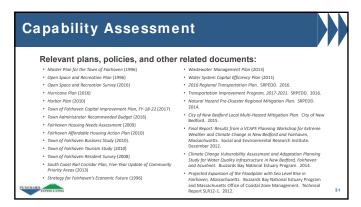


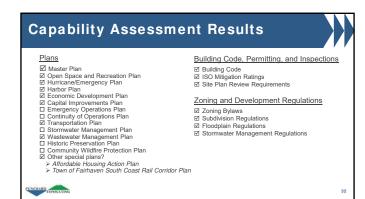


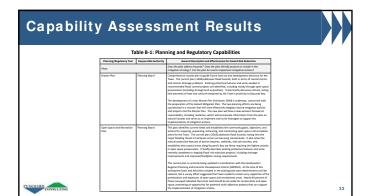


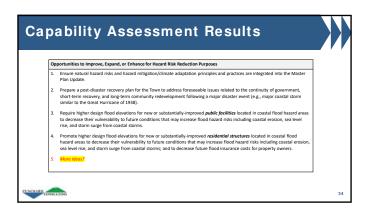


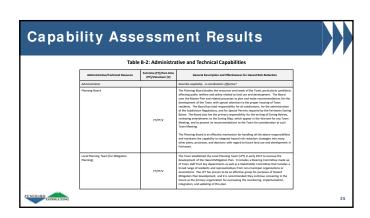


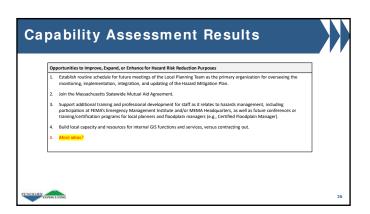


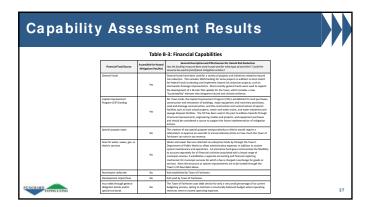


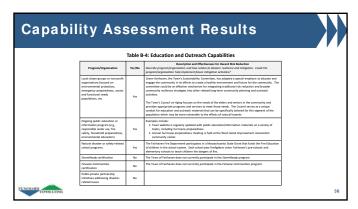


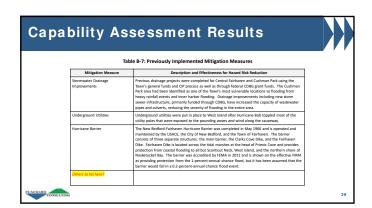


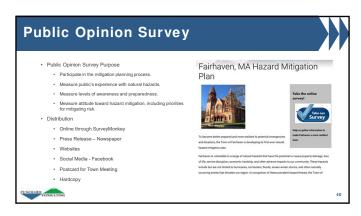


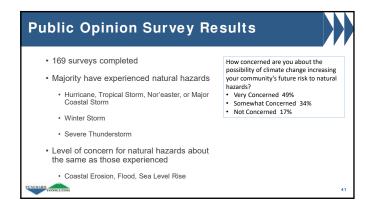


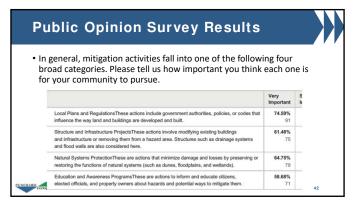


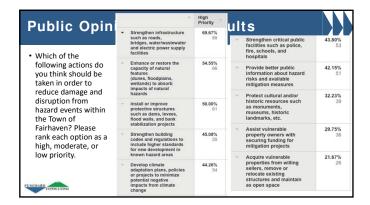


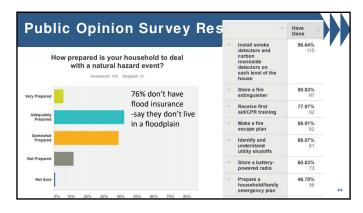


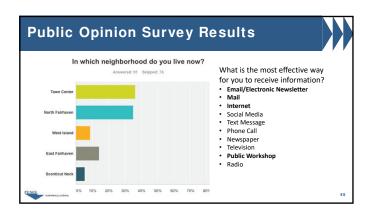


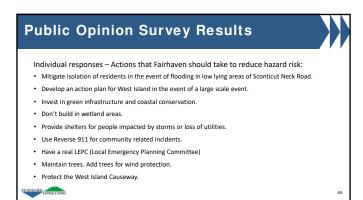






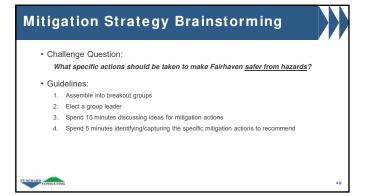


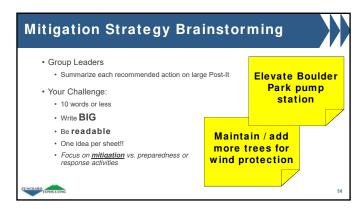


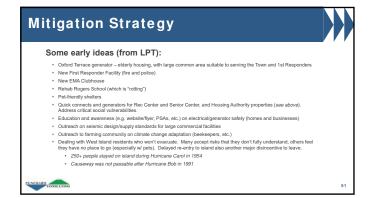


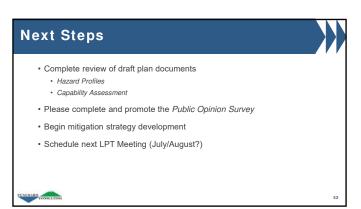


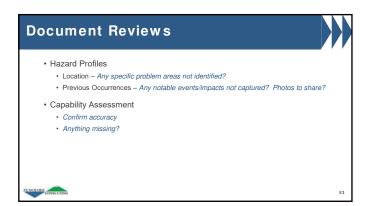














## Town of Fairhaven

## Department of Planning & Economic Development

Town Hall • 40 Center Street • Fairhaven, MA 02719 Telephone (508) 979-4082 • FAX (508)-979-4087

## MEETING NOTICE

Hazard Mitigation Plan and Local Planning Team Meeting

PLACE OF MEETING: <u>Town Hall</u>

DATE AND TIME: Tuesday, October 24, 2017 at 10 AM

MEETING TYPE: Meeting \_\_\_

William D. Roth, Jr. October, 11, 2017

Planning Director Date

## **AGENDA**

Hazard Mitigation Plan Local Planning Team Meeting #4 Tuesday, October 24, 2017 at 10:00 AM Banquet Room

10:00 AM - 12:00 PM

- 1. Introductions
- 2. Project Update
- 3. Mitigation Strategy Development
  - a. Mission Statement
  - b. Mitigation Goals
  - c. Review Possible Mitigation Activities
  - d. Selection and Prioritization of Mitigation Actions
- 4. Plan Maintenance Procedures
- 5. Next Steps

The purpose of this meeting is to reconvene Fairhaven's Local Planning Team (Town staff and invited stakeholders) to receive an update on the development of the Town's first hazard mitigation plan, and to capture ideas and input on the Town's overall strategy to mitigate natural hazards. This includes the creation of long-term goals for the plan, in addition to the review and discussion of specific mitigation actions and projects for the Town to pursue. Recommended procedures for future implementation and maintenance of the plan will also be discussed.

Please note that final draft versions of the <u>Risk Assessment and Capability Assessment</u> plan sections have been posted to our website here: <a href="http://www.fairhaven-ma.gov/pages/FairhavenMA">http://www.fairhaven-ma.gov/pages/FairhavenMA</a> Hazard/DraftPlans/

You are encouraged to review these documents prior to the meeting, and even if you can't attend, please send along any additional comments or suggested edits to me.

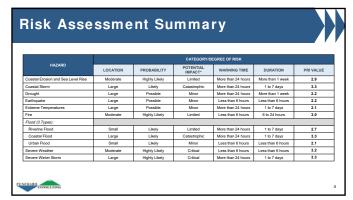
Town of Fairhaven - Local Hazard Mitigation Plan Local Planning Team, Meeting #4 October 24, 2017

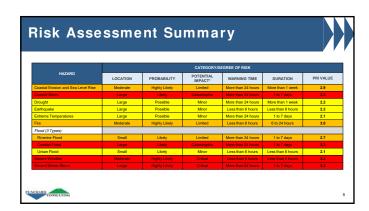
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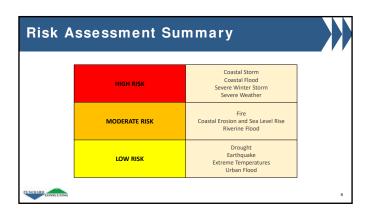


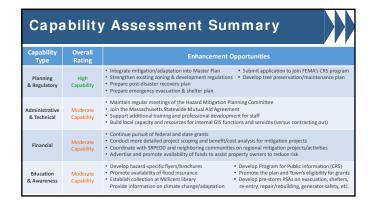




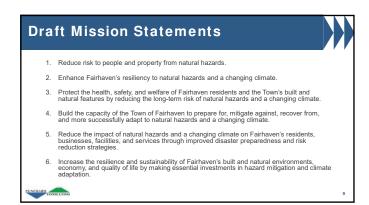


















## **Possible Mitigation Activities**

Structure and Infrastructure Projects - modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. Also involves constructing new manmade structures to reduce hazard

- · Acquisitions and elevations of structures in flood prone areas
- Utility undergrounding
- Structural retrofits and upgrades
- · Seawalls, floodwalls, and retaining walls
- Detention and retention structures
- · Storm drain improvements, culverts, and channel modifications

## **Possible Mitigation Activities**

Natural Systems Protection - actions that minimize damage and losses and also preserve or restore the functions of natural systems.

- · Dune and coastal barrier protection
- Sediment and erosion control
- · Stream corridor restoration
- · Forest management
- Conservation easements
- · Wetland restoration and preservation · Natural area and functions protection

## **Possible Mitigation Activities**

Education and Awareness Programs - actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them.

- · Radio or television spots
- Library collections and websites with hazard maps and information
   Real estate disclosure
- Technical assistance on hazard mitigation
- · Presentations to school groups or neighborhood organizations
- Mailings to residents in hazard-prone areas
- Participation in national risk awareness or emergency preparedness programs

#### Other Types of Activities (not mitigation)

## **Emergency Preparedness**

- · Hazard warning systems
- · Disaster response operations (including evacuation, sheltering, etc.)
- Backup power generation and supply (e.g., generators)
- · Post-disaster recovery and mitigation actions

## **Mitigation Actions**

#### Some early ideas from LPT:

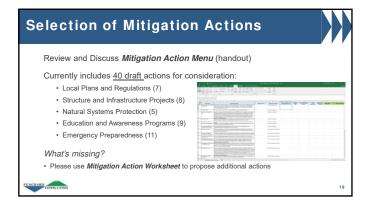
- Oxford Terrace generator elderly housing, with large common area suitable to serving the Town and 1st Responders
- New First Responder Facility (fire and police)
- · New EMA Clubhouse
- Rehab Rogers School (which is "rotting")
- · Pet-friendly shelters
- Quick connects and generators for Rec Center and Senior Center, and Housing Authority properties (see above). Address critical social vulnerabilities.
- Education and awareness (e.g. website/flyer, PSAs, etc.) on electrical/generator safety (homes and businesses)
- Outreach on seismic design/supply standards for large commercial facilities
- · Outreach to farming community on climate change adaptation (beekeepers, etc.)
- Dealing with Vest Island residents who won't evacuate. Many accept risks that they don't fully understand, others feel they have no place to go (especially w/ pets). Delayed re-entry to island also another major disincentive to leave.

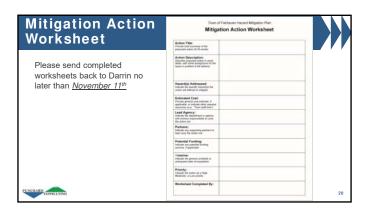
## **Public Opinion Survey Results**

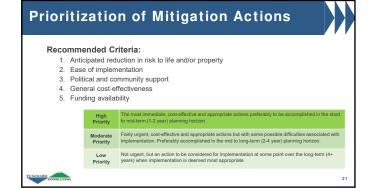
Sample survey responses (actions that Fairhaven should take to reduce hazard risk):

- Mitigate isolation of residents in the event of flooding in low lying areas of Sconticut Neck Road
- Develop an action plan for West Island in the event of a large scale event.
- Invest in green infrastructure and coastal conservation. · Don't build in wetland areas.
- · Provide shelters for people impacted by storms or loss of utilities.
- · Use Reverse 911 for community related incidents
- · Maintain trees. Add trees for wind protection
- · Protect the West Island Causeway.

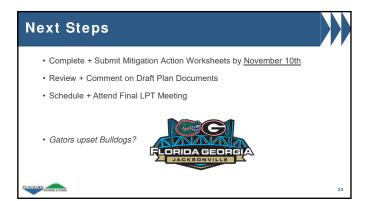












## **AGENDA**

## Hazard Mitigation Plan Local Planning Team Meeting #5

## Thursday, January 11, 2018 at 2:00 PM Banquet Room

2:00 PM - 3:00 PM

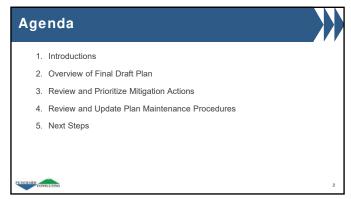
- 1. Introductions
- 2. Overview of Final Draft Plan
- 3. Review and Prioritize Mitigation Actions
- 4. Review and Update Plan Maintenance Procedures
- 5. Next Steps

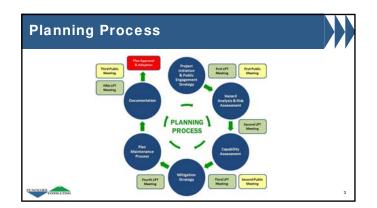
The purpose of this meeting is to reconvene Fairhaven's Local Planning Team (Town staff and invited stakeholders) to review and discuss the final draft plan document, with special emphasis on finalizing and prioritizing the list of proposed mitigation actions. Procedures for future implementation and maintenance of the plan will also be discussed. Following this meeting and a subsequent public meeting, the draft plan will be revised as needed for local approval and submitted to the Massachusetts Emergency Management Agency for their review.

Town of Fairhaven - Local Hazard Mitigation Plan HMCC Public Meeting #9- ハートス・俳5 January 11, 2018

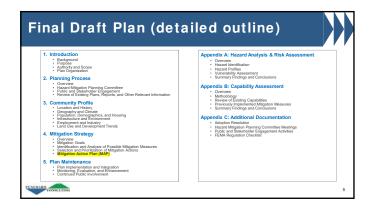
Mic Rety Fam		Phone	E-mail
	FAMMAREA PLANOUS.	503-572-4-82	
Poger Gutreau K.	MA		
Larry Sgarg EM	MA		
MMUN Rees Fam	Fairhaved Town		Wrees of Elinhaummangi
Vine Etads BR	3		
WAYNE POSTIN BUILDING	N. 5	3	
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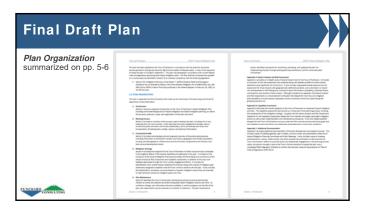


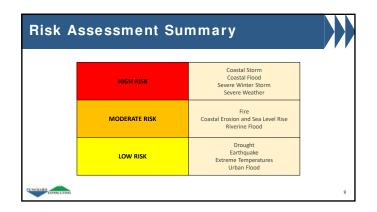


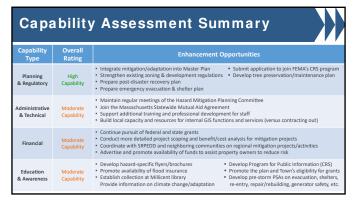




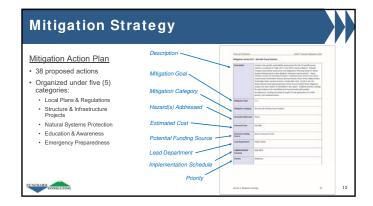


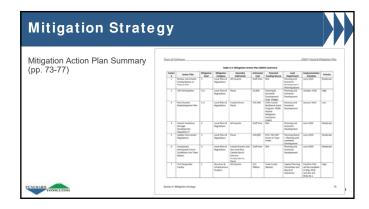


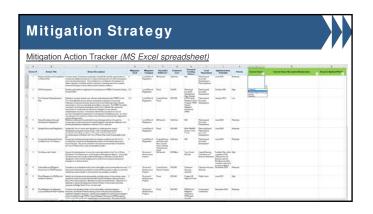


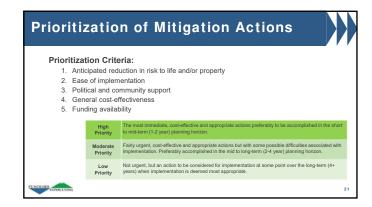














## **Next Steps**

- YOU: Review + Comment on Draft Plan Documents by <u>January 31st</u>
  - Focus special attention on Mitigation Action Plan (pp. 34-72), especially any actions that are assigned to your department or agency

    • Please send all questions, comments, or revisions to Bill Roth

  - Feel free to contact Darrin directly at <a href="mailto:darrin@punchardconsulting.com">darrin@punchardconsulting.com</a> or 617-777-2001
- ME: Create Final Plan!
  - Update Mitigation Action Plan (funding sources, priorities, etc.)
  - Update Risk Assessment with \*new\* climate projections for MA
  - Address any additional comments/revisions for local approval of Final Plan
- Final Plan will be completed + submitted to MEMA for review in February

## **C.2. PUBLIC AND STAKEHOLDER ENGAGEMENT ACTIVITIES**

- Public Engagement Strategy
- Screenshots of Project Websites
- Project Fact Sheet
- Press Releases
- Media Articles
- Public Meeting Notices/Advertisements
- Public Meeting Sign-in Sheets
- Public Meeting Presentation Slides
- Postcard Notifications (Public Opinion Survey)
- Public Opinion Survey
- Public Opinion Survey Results

# Local Hazard Mitigation Plan Town of Fairhaven, Massachusetts Public Engagement Strategy January 12, 2017

Fairhaven is vulnerable to a range of natural hazards that have the potential to cause property damage, loss of life, service disruption, economic hardship, and other adverse impacts to our community. These hazards include but are not limited to hurricanes, nor'easters, floods, severe winter storms, and other naturally occurring events that threaten our region. In recognition of these prevalent hazard threats, the Town of Fairhaven is developing a Local Hazard Mitigation Plan to help improve our community's preparedness for such events and to reduce our vulnerability to their potential impacts. The Public Engagement Strategy details ways to involve the public and key stakeholders throughout the planning process.

#### **PUBLIC ENGAGEMENT STRATEGY SUMMARY**

To generate public interest, solicit citizen input, and engage additional partners in the plan development process, this strategy has been developed. The strategy identifies specific opportunities and methods for citizens and targeted stakeholders to participate at various points in the planning process, including but not limited to inperson meetings, a project website, web-based surveys, and the use of social media.

#### LOCAL PLANNING TEAM

To coordinate the project with the Town, a Local Planning Team (LPT) has been formed. The LPT includes a steering committee made up of key Town staff that will provide overall executive direction for the project, as well as a broader stakeholder committee that includes a representative cross section of the community (as further described below). The LPT will meet a minimum of five times throughout the duration of the project. Each meeting provides an opportunity to gain valuable input from team members and to keep them apprised of project progress. The meeting schedule will cover the following key agenda items.

- Meeting #1: Assemble LPT for introduction and overview of the plan development process, including
  descriptions of individual roles and responsibilities of committee members. Facilitate initial hazard
  identification, needs assessments, and other data collection efforts to capture early input and ideas on all
  aspects of the plan development process. Solicit input on the draft public engagement strategy. Meeting
  scheduled for January 12, 2017.
- Meeting #2: Present and discuss public outreach and data collection and analysis efforts completed to
  date. Review and confirm the current inventory of best available data and information to support the
  hazard analysis and risk assessment and share initial hazard identification findings to date. Begin to solicit
  input from applicable team members on the capability assessment. Meeting scheduled for March 2017.
- Meeting #3: Review and discuss final risk assessment results, including hazard profiles, map figures, and
  vulnerability analyses. Share results of the capability assessment and capture additional input or adjust as
  required. Establish draft vision and goal statements for the plan based on the results of the risk and
  capability assessments and the public input received to date. Begin to review and discuss specific hazard
  mitigation actions for the Town to consider as part of its overall mitigation strategy. In addition, this

#### PUBLIC ENGAGEMENT STRATEGY

meeting will be divided into three separate breakout meetings with agendas that are primarily focused on three different key steps of the FEMA Community Rating System (CRS) 10-step planning process: assess the hazard; assess the problem; and set goals. These breakout meetings may or may not be held on the same day, but will be scheduled within the same general timeframe. Meeting(s) scheduled for April 2017.

- Meeting #4: Present initial draft plan. Review and discuss initial list of possible mitigation actions, assuring
  that specific hazard vulnerabilities or other hazard-related problems identified in the risk assessment are
  addressed. Review updated summary of public input received to date, particularly as related to hazard
  risks or mitigation needs/activities. Begin drafting mitigation action plans that align with established goal
  statements and specify required implementation procedures that include prioritizing, scheduling, and
  assigning resources and responsibilities for carrying each identified action out. Solicit initial input on plan
  maintenance procedures. Meeting scheduled for June 2017.
- Meeting #5: Present and discuss final draft plan document. Review and make final updates or revisions as required for committee approval and submission of final plan to MEMA and FEMA for their review.
   Meeting scheduled for July 2017.

#### STAKEHOLDER COMMITTEE

The Public Engagement Strategy includes the creation of a separate "Stakeholder Committee" that includes members of the Local Planning Team as well as additional Town staff, members of the public, and other stakeholders from outside Town government. This includes but is not limited to floodplain residents, representatives of neighborhood associations, local businesses, environmental groups or other non-profit organizations, real estate agents, insurance agencies, staff from other governmental entities, and others to be determined in coordination with the LPT during its first official meeting. These stakeholders will meet in conjunction with the Local Planning Team for all their meetings. Individual meetings may also be held with specific stakeholders as needed to gather data regarding hazard risk, capabilities and mitigation actions.

#### PUBLIC OUTREACH

Public engagement and outreach serves the purpose of sharing the project with the public and gathering information and opinions from them. It also satisfies FEMA requirements and maximizes CRS credit points. The public outreach process includes, at a minimum, a project fact sheet, stakeholder meetings, three open public meetings, a public opinion survey, a project website and media announcements. In addition, coordination with local and regional agencies involved in hazard mitigation activities or that have the authority to regulate development, neighboring communities, businesses, academia, and other private and non-profit interests identified as stakeholders or desired planning partners for this project will be involved. Targeted representatives from each of these sectors will be provided opportunities to participate in the planning process through invitations to attend LPT meetings, respond to web-based surveys, and through formal requests to review draft deliverables.

In terms of coordinating with other agencies, the Town and its consulting team will seek to maximize CRS credit points by developing and maintaining a list of those agencies and other qualifying organizations for us to contact and engage with as part of the Public Engagement Strategy (see Attachment A).

## PROJECT FACT SHEET

A double-sided, one-page Project Fact Sheet will be developed to describe the plan update process and to solicit participation in the planning process. The Fact Sheet will also include information that will promote the project website and public opinion survey. The Fact Sheet will be available in print and in digital form to be downloaded from the project website.

#### **PUBLIC MEETINGS**

The Town and its consulting team will coordinate and conduct three in-person public outreach meetings to engage the public and targeted stakeholders. The public outreach meetings will be scheduled to coincide on the same days as LPT Meetings #1, #3, and #5 at appropriate locations to be determined by the Town. The meetings will be used to educate the community about existing natural hazard risks, as well as potential hazard mitigation and climate adaptation strategies, and to gain public feedback that will be used during the drafting of the actual Local Hazard Mitigation Plan. The Town and its consulting team will prepare press releases, flyers, media announcements and presentations for each meeting.

#### PUBLIC OPINION SURVEY

An online public opinion survey will be used so individuals throughout the Town can provide valuable information and feedback to the project team. The online survey will give individuals that were unable to attend the in-person meetings the opportunity to participate in the plan update process. Information from the online survey will allow the project team to better understand the types of hazards that most concern the public and the mitigation actions that are of interest. The survey will be hosted by Survey Monkey, an online survey tool, and made accessible through hyperlinks posted on the project website and the Town of Fairhaven website. Additionally, hard copies of the survey will be distributed at all in-person meetings.

#### PROJECT WEBSITE

The Town and its consulting will host and manage information related to the project, on a web page dedicated to the Town of Fairhaven (<a href="http://www.jamiecaplan.com/projects/fairhaven">http://www.jamiecaplan.com/projects/fairhaven</a>). Information will include the project timeline, a link to download the Project Fact Sheet, information on in-person public outreach meetings, a link to the public opinion survey, and draft plan update deliverables for review. The public and stakeholders will be encouraged to help promote the project website and add links connecting to it from their own websites.

## **MEDIA**

To promote the plan update process (and related benefits, such as credit points under FEMA's CRS program) and to solicit participation of local citizens and targeted stakeholders, press releases and media alerts will be developed in coordination with the Town of Fairhaven to engage local media outlets, including local, regional, and/or ethnic newspapers, local, regional, and/or ethnic television/radio broadcasts (for public service announcements), and Internet/social media postings. The Town and its consulting team will work with the Town of Fairhaven to determine the appropriate local newspapers, radio stations, and television stations that are popular with residents to place public service announcements.

## **Screenshot of Project Website**

## Fairhaven, MA Hazard Mitigation Plan



To become better prepared and more resilient to potential emergencies and disasters, the Town of Fairhaven is developing its first-ever natural hazard mitigation plan.

Take the online survey!

Take our Survey

Help us gather information to make Fairhaven a more resilient town.



Fairhaven is vulnerable to a range of natural hazards that have the potential to cause property damage, loss of life, service disruption, economic hardship, and other adverse impacts to our community. These hazards include but are not limited to hurricanes, nor easters, floods, severe winter storms, and other naturally occurring events that threaten our region. In recognition of these prevalent hazard threats, the Town of Fairhaven is developing a hazard mitigation plan to help improve our community's preparedness for such events and to reduce our vulnerability to their potential impacts.

#### Ways to Participate

- Visit this web page often
- Download and review the Fairhaven Hazard Mitigation Plan Fact Sheet
- Participate in Public Meetings (scheduled tentatively for April and July)
- Complete the Public Opinion Survey (https://www.surveymonkey.com/r/FairhavenMA)
- Review the Draft Plan (tentatively scheduled for July 2017)

#### **Project Materials**

Fairhaven Hazard Mitigation Plan Fact Sheet

#### Project in the News

- January 13, 2017 South Coast Today
- December 28, 2016 South Coast Today

#### For More Information

 For more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 122 or billr@fairhaven-ma.gov.



## TOWN OF

## FAIRHAVEN, MASSACHUSETTS









Residents

Businesses

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About Fairhaven

**Departments** 

**Boards & Committees** 

**Documents & Contracts** 

Online Bill-Pay

**Downloadable Forms** 

Minutes & Agendas

Calendars

Library

Schools

**Police Department** 

Fire Department

**Directions** 

**Virtual Suggestion Box** 

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Job Opportunities

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Welcome

Parks and Recreation

Education

**Quality of Life** 

Home · Hazard Mitigation Planning Committee · Hazard Mitigation Planning Committee

## **Hazard Mitigation Planning Committee**

Printer-Friendly Version

William Roth Contact:

Planning & Economic Development

Director, EXT. 122 **Darrin Punchard** Punchard Consulting LLC

Jamie Caplan

Jamie Caplan Consulting LLC

40 Center Street Address:

Fairhaven, MA 02719

508-979-4082, Ext. 9 Phone:

Monday to Friday 8:30am -Hours:

4:30pm

**Meeting Agendas Meeting Minutes** 

## Hazard Mitigation Planning Documents

Virtual Suggestion Box **Project Web Page** 

Public Opinion Survey

Term

## Steering Committee

Name Title

William Roth Planning Director

Timothy Francis Fire Chief

Todd Correia **Deputy Fire Chief** Wayne Fostin **Building Commissioner** 

Vincent Furtado **BPW Superintendent** 

Marc Jodoin **EMA Director** 

## Fairhaven Hazard Mitigation Plan

Under the direction of the Department of Planning & Economic Development, the Town has hired a consulting team to assist the Town in developing a Local Natural Hazards Mitigation Plan encompassing the entire Town of Fairhaven. The development of a Local Natural Hazards Mitigation Plan is essential to the Town's efforts towards improving the overall emergency preparedness and identifying ways to mitigate the impacts of future natural hazards. Upon compleation the Hazard Mitigation Plan will be submitted to State and Federal plan

Real Estate and Relocation

**Tourism** 

Community Organizations reviewers for approval and then adopted by the Board of Selectmen. This planning process will take 18 months and is anticipated to conclude in May of 2018.

#### **Plan Overview**

The development of the Hazard Mitigation Plan is comprised of the following key task:

- Task 1. Planning Process
- Task 2. Hazard Analysis and Risk Assessment
- Task 3. Capability Assessment
- Task 4. Mitigation Strategy
- Task 5. Plan Maintenance Process
- Task 6. Plan Approval and Adoption

#### **More Information**

This page has been set up to provide an overview of the hazard mittigation planning process and detailed information about the plan and its individual elements. Here you can access the plan in electronic and downloadable formats as it evolves, gain a deeper understanding of Fairhaven's hazard mitigation issues by viewing maps, tables, and other data elements and provide crucial feedback to the Department of Planning & Economic Development and plan consultants. You may view more information about Hazard Mitigation Plan here and on the Project Web Page button above.

Website Disclaimer

40 Center Street, Fairhaven, MA 02719 ph: 508.979.4023 fx: 508.979.4079 Virtual Towns & Schools Website

**Privacy Statement** 



## FAIRHAVEN HAZARD MITIGATION PLAN

## Planning for a Safer Future

To become better prepared and more resilient to potential emergencies and disasters, the Town of Fairhaven is developing its first-ever natural hazard mitigation plan. This fact sheet provides a brief description of the project, a summary of the key steps involved in the planning process and ways you can participate, and how to obtain additional information.

## **Project Overview**

Fairhaven is vulnerable to a range of natural hazards that have the potential to cause property damage, loss of life, service disruption, economic hardship, and other adverse impacts to our community. These hazards include but are not limited to hurricanes, nor'easters, floods, severe winter storms, and other naturally occurring events that threaten our region. In recognition of these prevalent hazard threats, the Town of Fairhaven is developing a hazard mitigation plan to help improve our community's preparedness for such events and to reduce our vulnerability to their potential impacts.

### What is hazard mitigation?

Hazard mitigation may be defined as any action taken to reduce or eliminate long-term risk to life and property from hazards. Mitigation actions are the things we do today to become better prepared and more protected in the future. They can include structural measures, such as strengthening a building to withstand high winds, or non-structural measures, such as increasing public awareness or creating a pre-disaster plan to avoid future damage or loss.

In 2015, the Town of Fairhaven's Planning and Economic Development Department applied to the Massachusetts Emergency Management Agency (MEMA) for a grant to develop a comprehensive natural hazard mitigation plan. Local communities with a state and federally-approved hazard mitigation plan are eligible and better positioned to receive additional grant funding through MEMA and

FEMA for mitigation projects. In 2016 the Town was awarded the planning grant from MEMA, and in turn hired a consultant team to assist with the plan development process. A draft plan is scheduled for completion by August 2017 and the Town hopes to have the final plan approved and adopted by December 2017.

Upon completion, Fairhaven's hazard mitigation plan will serve as a road map to planning for a safer future. As further described below it will include the identification, evaluation, and communication of natural hazard risks; an assessment of local capabilities to reduce those risks; a strategy for implementing practical hazard mitigation actions; and a process for maintaining the plan over time.

## **Planning Process**

The hazard mitigation plan is being developed through a process consisting of six key steps as outlined below, including: (1) Project Initiation & Public Engagement Strategy; (2) Hazard Analysis & Risk Assessment; (3) Capability Assessment; (4) Mitigation Strategy; (5) Plan Maintenance Process; and (6) Documentation. The process will be facilitated by mitigation planning consultants and overseen by a Local Planning Team (LPT) established by the Town, with numerous opportunities for community members and other stakeholders to participate and provide input along the way.

## Project Initiation & Public Engagement Strategy

The first step focuses on the organization of resources to help prepare the plan. This includes the collection of relevant data and information, as well as the creation of a local team of people to provide input and lend support throughout the planning process. This also includes preparing a strategy to generate public interest, solicit citizen input, and engage additional partners or stakeholders at various points in the process.

### Hazard Analysis & Risk Assessment

This step includes the identification and detailed analysis of all potential natural hazards in Fairhaven. It involves the collection and review of best available data and information to determine the potential impacts of hazards on the people, economy, and built and natural environments of the community. The risk assessment identifies specific vulnerabilities that become the basis for evaluating and prioritizing risk reduction actions for the mitigation strategy.

### Capability Assessment

The purpose of the capability assessment is to determine the Town's ability to effectively implement hazard mitigation measures. It includes the review of existing plans, policies, programs, or activities relevant to hazard risk, and an analysis of the Town's current capacity and resources to carry them out. The assessment helps to identify which types of mitigation actions are practical and achievable over time, as well as any opportunities to leverage or improve measures already in place.

## Mitigation Strategy

The mitigation strategy serves as the blueprint for reducing Fairhaven's vulnerability to natural hazards. It includes the overall community goals, objectives, and specific mitigation actions required to achieve the vision of a more disaster resilient community. The mitigation strategy is based on the results of the risk assessment, capability assessment, and a thorough review of potential mitigation measures that include policies, projects, and other activities. It also includes a detailed implementation plan for carrying out each proposed mitigation action.

### Plan Maintenance Process

The step includes the creation of a method and schedule for the Town to routinely monitor, evaluate, and update the plan after it becomes adopted. It also identifies ways the plan and its specific mitigation actions can be integrated into other existing plans and procedures. A key objective for the plan maintenance process is to ensure the plan remains a relevant and effective tool for the Town over the long-term, and within the Town's existing planning framework.



The Town's mitigation planning process includes a series of meetings for community members and other stakeholders to be involved.

#### **Documentation**

The final step includes the drafting of a complete plan document for review prior to moving forward with local plan approval and adoption procedures. Once a final draft plan is approved by the Local Planning Team, it will be submitted along with all other documentation required for review and approval by state and federal plan reviewers. Once these approvals are issued the Town proceed with local adoption of the final plan.

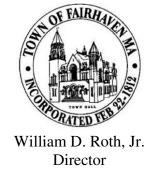
#### **Public Participation**

There are several ways for community members and other stakeholders to participate in the plan development process, including but not limited to:

- Public Meetings
- Public Opinion Survey
- Local Planning Team and Stakeholder Committee Meetings
- Draft Plan Reviews

#### For More Information

To learn more about this project, or to find out more details on how you can be involved, please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 ext. 122 or at <a href="mailto:broth@fairhaven-ma.gov">broth@fairhaven-ma.gov</a>. Additional information and regular updates through the duration of the project may be found on the project website at <a href="https://www.jamiecaplan.com/projects/fairhaven">www.jamiecaplan.com/projects/fairhaven</a>



## Town of Fairhaven

## Department of Planning and Economic Development

Town Hall 40 Center Street Fairhaven, MA 02719
Telephone (508)-979-4082 FAX (508) 979-4087

## FOR IMMEDIATE RELEASE

DATE: December 22, 2016

TO: Media Outlets

RE: TOWN OF FAIRHAVEN

**HAZARD MITIGATION PLAN** 

CONTACT: William D. Roth, Jr.

Director of Planning & Economic Development

(508) 979-4082, Ext. 9

## **Public Meeting – Hazard Mitigation Plan (HMP)**

In January 2017, the Town of Fairhaven is officially launching the process to develop a Local Hazard Mitigation Plan. This new plan is considered essential to the Town's efforts to improve emergency preparedness and identify ways to become less vulnerable to disasters caused by natural hazards. The Town's first Public Meeting will be on Thursday, January 12, 2017, at 6:30 at Town Hall, 40 Center Street, Fairhaven, MA.

The purpose of the local Hazard Mitigation Plan is to identify and assess the community's natural hazard risks and determine how to best minimize and manage those risks over time. All members of the community are invited and encouraged to attend to share ideas for reducing or eliminating the impacts of natural hazards such as hurricanes, floods, and severe winter storms. During the meeting, attendees will learn about the process for developing Fairhaven's hazard mitigation plan and how they can help in making the community more resilient to natural hazards.

The Planning and Economic Development Department will lead the planning process with assistance from Punchard Consulting LLC. An approved HMP will make the Town eligible for federal mitigation project funding through FEMA's Hazard Mitigation Assistance grant programs.

If you have any questions regarding the Public Meetings, or would like to learn about more ways you can participate in the development of the Town's first hazard mitigation plan, please contact Bill Roth, Director of Planning & Economic Development, by phone at (508-979-4082, ext.9) or by email at <a href="mailto:billr@fairhaven-ma.gov">billr@fairhaven-ma.gov</a>.

## **SouthCoast**TODAY

# Fairhaven to develop a Hazard Mitigation Plan to tame weather events

## Wednesday

Posted Dec 28, 2016 at 7:33 PM Updated Dec 28, 2016 at 7:33 PM

## By Steve Urbon

Follow

FAIRHAVEN - To better fend off natural disasters and extreme weather events, the town is embarking on the creation of a FEMA-supported Hazard Mitigation Plan.

A program of the Federal Emergency Management Agency, the new plan is considered essential to the town's efforts to improve emergency preparedness and identify ways to become less vulnerable to disasters caused by natural hazards, "wrote Town Planner Bill Roth in his announcement.

The first meeting to begin the process will be Thursday, Jan. 12 at 6:30 p.m. at Town Hall.

Roth wrote, "The purpose of the local Hazard Mitigation Plan is to identify and assess the community's natural hazard risks and determine how to best minimize and manage those risks over time. All members of the community are invited and encouraged to attend to share ideas for reducing or eliminating the impacts of natural hazards such as hurricanes, floods, and severe winter storms."

Attendees will learn about the process for developing Fairhaven's Hazard Mitigation Plan and how they can help in making the community more resilient to natural hazards.

The Planning and Economic Development Department will lead the planning process with assistance from Punchard Consulting LLC. An approved HMP will make the town eligible for federal mitigation project funding through FEMA's Hazard Mitigation Assistance Grant programs, the announcement said.

"Mitigation planning is a key process used to breaking the cycle of disaster damage, reconstruction, and repeated damage," FEMA states on its website.

It adds, "State, tribal, and local governments" are engaging in planning to identify risks and vulnerabilities associated with natural disasters, and develop long-term strategies for protecting people and property from future hazard events."

FEMA requires state, tribal, and local governments to develop and adopt hazard mitigation plans as a condition for receiving certain types of non-emergency disaster assistance, including funding for HMA mitigation projects.

Those with questions regarding the public meetings, or who would like to learn
about more ways to participate in the development of the town's first HMP, car
contact Bill Roth, director of Planning & Economic Development, by phone at
508-979-4082, ext.9 or by email at
Eallary Starra Limbon on Tyrittan
Follow Steve Urrbon on Twitter

# Fairhaven Neighborhood News

## Ad proof

Contact Beth David with approval or changes: 508-979-5593 • Fax: 508-991-5580



The NeighbNews is not responsible for any errors approved by client.

Town of Fairhaven Notice of Public Meeting Hazard Mitigation Plan

The Town will hold a Public Meeting on January 12, 2017, at 6:30 p.m. at Town Hall. The purpose of the meeting will be to take public input on the development of a Local Hazard Mitigation Plan. This new plan is essential to the Town's efforts to improve emergency preparedness and identify ways to reduce or eliminate the impacts of natural hazards such as hurricanes, floods, and severe winter storms. This is the first meeting of an 8 month planning process. This meeting will be an overview of the entire planning process, followed by time for questions and general discussion. All members of the community are encouraged to attend and bring their local knowledge, concerns, and ideas to help Fairhaven become safer from natural hazards. For more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 122 or billr@fairhaven-ma.gov.

One week: 1/5/17 1x2.25", \$45/week



## Public Disaster Planning Meeting

January 12, 2016 6:30 pm-8:00 pm Town Hall, 40 Center Street, Fairhaven, MA







# Learn About Hazard Mitigation

Fairhaven is developing a Local Hazard Mitigation Plan. The plan is essential to the Town's efforts to improve emergency preparedness and identify ways to mitigate the impacts of natural hazards such as hurricanes, floods, and severe winter weather.

## Share Your Ideas for Reducing Risk

An overview of the entire project will be provided at the meeting. There will be plenty of time for questions and general discussion.

# Multiple Opportunities to Participate

On January 12<sup>th</sup>, the Town will also host initial meetings for its Local Planning Team and Stakeholder Committee, these meetings are open to the public.

For more information contact: Bill Roth, Director of Planning & Economic Development Phone: 508-979-4082 or Email: billr@fairhaven-ma.gov

## **Public Meeting on Hazard Mitigation Plan**

January 12, 2017 6:30–8:00 P.M. Town Hall, 40 Center Street, Fairhaven, MA

On January 12<sup>th</sup>, 2017, the Town of Fairhaven will hold its first Public Meeting on the development of a local **hazard mitigation plan**. This new plan is essential to the Town's efforts to improve emergency preparedness and identify ways to reduce or eliminate the impacts of natural hazards such as hurricanes, floods, and severe winter storms. It will be prepared over the course of 6-8 months, and upon completion, a draft plan will be submitted to the Massachusetts Emergency Management Agency and Federal Emergency Management Agency for review and approval.

The Public Meeting will begin at 6:30 P.M. with an overview of the entire planning process, followed by plenty of time for questions and general discussion. All members of the community are encouraged to attend and bring their local knowledge, concerns, and ideas to help Fairhaven become safer from natural hazards.

As part of the project kickoff events the Town will also be holding initial meetings for its Local Planning Team and Stakeholder Committee on the afternoon of January 12<sup>th</sup>, which are also open to the public.

For more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 122.

## **AROUND TOWN HAPPENINGS**

## **Rogers School Mtg**

The Town of Fairhaven will hold a **Public Meeting at 6:30 p.m. on Thurs., 1/5, at Town Hall, 40 Center St., Fairhaven.** The purpose of the meeting will be for the Town's consultant, Kirk & Company to present an initial draft report with their preliminary findings about the potential future reuses of the Rogers School.

## TM Deadlines

Deadline for articles for the Fairhaven Town Meeting in May is **Jan. 12 at 4 p.m. at the Selectboard office.** Contact the town clerk or the Selectboard's office for details on how to get an article on the warrant.

## **Christmas Tree PU**

The town of Fairhaven will pick up Christmas trees from **Jan. 10–13.** 

Christmas Tree Collection will be one day after your regular rubbish day. Place trees curbside by 7 a.m. on the day of pickup. Remove all ornaments and tinsel. Do not put in plastic bag.

Hazard Mitigation
The Town of Fairhaven is officially

The Town of Fairhaven is officially launching the process to develop a Local Hazard Mitigation Plan. This new plan is considered essential to the Town's efforts to improve emergency preparedness and identify ways to become less vulnerable to disasters caused by natural hazards. The Town's first Public Meeting will be on Thurs., 1/12, at 6:30 at Town Hall, 40 Center St., Fairhaven, MA.

**Nomination papers** 

Nomination papers are available for candidates interested in running for office in Fairhaven. The annual town election will be held on Monday, April 3, 2017. The last day for requesting nomination papers is Thurs., 2/9, at 5 p.m. The last day for Town Meeting incumbents to file written requests for re-election is Mon., 2/6, at 5 p.m. The last day to file all nomination papers with the Town Clerk's Office is Mon., 2/13, at 5 p.m.

The last day for residents to register to vote in the town election is Tues., 3/14.

Papers for town-wide office require 50 certified signatures. Papers for Town Meeting Members require 10

certified signatures.

You may register to vote any day from 8:30 AM to 4:30 PM – Monday through Friday Mail-in Voter Registration Forms are available at the Town Clerk's Office, 40 Center St., Fairhaven, 508-979-4023, Ext. 3.

## Cultural Council Awardees

The Fairhaven Cultural Council is pleased to announce the Fairhaven Local Cultural Council Grant award winners for 2017!

In addition to demonstrating compliance with Mass. Cultural Council and local grant project guidelines, winning projects demonstrated the most benefit to our community and specifically for residents of Fairhaven, providing opportunities for all ages to participate in a variety of arts and humanities areas.

Projects funded this year include NBAM/ArtWorks! Teen Internship Program, New Bedford Symphony's Learning in Concert program for East and Wood Elementary Schools, the Millicent Library's Summer Reading Kick-Off Concert with Jackson Gillman, Zeiterion Theater field trips for St. Joseph and East Fairhaven Schools. New Bedford Ballet in-school programs for East and Wood Elementary Schools, New Bedford Festival Theater's production of "My Fair Lady", transportation funding for Whaling Museum field trips for Fairhaven schools, Seaglass Opera's "Amoré" Gala Concert, and the Greater New Bedford Choral Society's 2017 concert season.

Support for the Local Cultural Council (LCC) grant program is provided annually by the Mass. Cultural Council as well as from the town of Fairhaven. Funding allotted by the town of Fairhaven is earmarked to support events that promote tourism and attract visitors to our local businesses

In 2017, town funds will be supporting the Whitfield-Manjiro Friendship Society's Manjiro Festival, North Fairhaven Improvement Association's Community Concert, Roger Tinknell's "From Ireland to America" at the Council on Aging, the Fairhaven Lions Club's "Family Ties/Honoring Our Elderly" Community Event, and the Fishing Heritage Center's "Work & Culture in the Fishing Industry: Three

Photography Exhibits".

Events and programs are offered at affordable or free ticket prices; many offer senior citizen discounts as well. Visit the Fairhaven council's blog at http://fairhavenculturalcouncil. blogspot.com/ or Facebook page at https://www.facebook.com/ FairhavenCulturalCouncil throughout the year for updates on when these projects will be taking place and links to more information.

The council is always interested in new members. If you are a resident of Fairhaven and would like more information about joining the council, contact chairperson Abigail Hevey at abigail.hevey@gmail.com.

## Free presentation

Keeping the American Promise: Challenging Corporate Power and Money in Politics

SouthCoast Progressive Voices, along with co-sponsor Citizens for Economic Justice (both subcommittees of the Fairhaven UU church's Social Justice Committee), invites all to attend this free educational presentation at 7:00 PM Wednesday, January 11, 2017 in the Church Auditorium, 102 Green Street in Fairhaven.

The speaker will be Jeffrey D. Clements, Founder and President of American Promise: Former Massachusetts Assistant Attorney General; and author of the book "Corporations Are Not People: Reclaiming Democracy from Big Money and Global Corporations". This book has been deemed the definitive guide to overturning the Citizens United vs FEC Supreme Court decision and gaining control of the influence of money in our elections. Mr. Clements was CEJ's invited speaker last year to address students and the general public on this topic at The UMass Dartmouth School of Law.

This program ties in directly with the pressing social issue of our time: "escalating inequality". Please plan to come and hear this dynamic presentation by one of the more active advocates for us gaining back control of our democracy.

Don't forget to tell our advertisers you saw their ads in the Neighb News!

## **NEIGHBOR TO NEIGHBOR CLASSIFIEDS**

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## **Public Hearings/ Legal Notices**

NOTE: All legal notices are available on the Neighb News website, www.NeighbNews.com, under the "Legal Notices" tab on the top of the main page. Legal ads are also available at http://masspublicnotices.org, search for "Fairhaven Neighborhood News"

**Town of Fairhaven Notice of Public Meeting Hazard Mitigation Plan** 

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You'll get it bright and early Thursday morning every week without even leaving your house, or stopping on your way to work.

FIREARMS SAFETY COURSE State approved for Mass. license to carry firearms or FID card. Call Phil Lacerda, 508-989-6093

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GUTTER INSTALLER Experience necessary. Driver's license required. Must be comfortable on ladder and working with required tools. New Bedford area. Call Graham, 401-639-7527

## Fairhaven Neighborhood News

Advertising rates Call Beth at 508-979-5593 Email: NeighbNews@comcast.net

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#### **Full Page**

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4,640 copies in 200+ places

## Fairhaven Meetings

## **Board of Appeals**

Tues., 2/7, Town Hall, 6:00 p.m.

## **Board of Public Works**

Mon., 1/9, Arsene St., 6 p.m.

## Community Preserv. Com.

Thurs., 1/19, Town Hall, 6:30p.m.

## **Conservation Commission** Mon., 1/30, Town Hall, 6:30 p.m.

## **Council on Aging**

Mon., 1/9, Senior Center, 9 a.m.

## **Hazard Mitigation Planning** Thurs., 1/12, Town Hall, 1:30 p.m.

**Hazard Mitigation Meeting** Thurs., 1/12, Town Hall, 3 p.m.

## **Planning Board**

Tues., 1/10, Town Hall, 6:30 p.m.

## **Rogers School Meeting**

Thurs., 1/5, Town Hall, 6:30 p.m.

## **School Committee**

Wed., 1/11, FHS Library, 6:30 p.m.

## **Selectboard**

Mon., 1/9, Town Hall, 6:30 p.m.

## Town Meeting D/L

Deadline for Town Meeting articles is January 12 at 4 p.m.

## **Acushnet Meetings**

## Selectboard

Mon., 1/9, Town Hall, 5 p.m.

## **Planning Board**

Thurs., 1/26, Parting Ways, 6:30 p.m.

#### TIDE TABLE

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<sup>\*=</sup> Predicted minus tides from -0.1 ft. to -1.0 ft
\*\*Predicted minus tides from -1.1 ft to -2.0 ft or more



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ABOUT US TOWN MEETINGS LATEST NEWS LEGAL NOTICES EVENTS OPINIONS

#### **LEGAL NOTICE: HAZARD MITIGATION PLAN**

JANUARY 5, 2017 BY NEIGHBNEWS2016

LEAVE A COMMENT

**TOWN OF FAIRHAVEN** 

NOTICE OF PUBLIC MEETING

HAZARD MITIGATION PLAN

The Town will hold a Public Meeting on January 12, 2017, at 6:30 p.m. at Town Hall. The purpose of the meeting will be to take public input on the development of a Local Hazard Mitigation Plan. This new plan is essential to the Town's efforts to improve emergency preparedness and identify ways to reduce or eliminate the impacts of natural hazards such as hurricanes, floods, and severe winter storms. This is the first meeting of an 8 month planning process. This meeting will be an overview of the entire planning process, followed by time for questions and general discussion. All members of the community are encouraged to attend and bring their local knowledge, concerns, and ideas to help Fairhaven become safer from natural hazards. For more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 122 or billr@fairhaven-ma.gov.

(1/5/17)

FILED UNDER: LEGAL NOTICES

Town of Fairhaven - Local Hazard Mitigation Plan Public Meeting #1 January 12, 2017

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Public Meeting #1 1/12/17

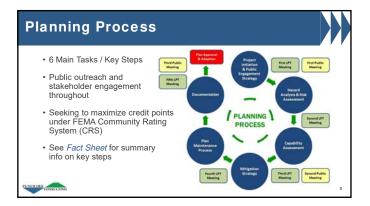


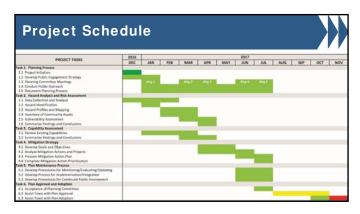
#### **Getting Started Exercise**

- 1. Who lives in the Town of Fairhaven?
- 2. What buildings, organizations and infrastructure do the people here rely on?
- 3. What weather related hazards impact these people and/or the buildings, organizations and infrastructure?
- 4. What can be done to lessen the impact of these hazards and to protect people and property?

**Project Overview** Purpose **Hazard Mitigation**  To help Fairhaven become better prepared Any action taken to reduce or eliminate long term risk to life and property from hazards. and more resilient to potential emergencies and disasters To identify and assess the community's natural hazard risks and determine how to **Mitigation Planning** best minimize and manage those risks over Engage the community and key stakeholders · To make Fairhaven eligible and better Identify mitigation actions that lead to long-term risk reduction positioned to receive federal grant funding Implement and maintain the plan for mitigation projects and other types of non-emergency disaster assistance







Public Meeting #1 1/12/17









#### **SouthCoast**TODAY

## **Work begins on Fairhaven's Hazard Mitigation Plan**

#### **Thursday**

Posted Jan 12, 2017 at 8:39 PM Updated Jan 12, 2017 at 8:39 PM

#### By Steve Urbon

Follow

FAIRHAVEN - The town got the ball rolling on a Hazard Mitigation Plan to lessen the danger and damage by naturally occurring events such as hurricanes, winds, floods and fires.

A pair of consultants hired with federal grant money from the Massachusetts Emergency Management Agency met in three meetings Thursday.

The first was the core group of town planners, department heads with a direct hand in dealing with tough situations.

The second mid-afternoon meeting, not promoted to the press, was essentially a private meeting with some of the "stakeholders," any group, individual organization or business with an interest in damage mitigation and recovery.

Thursday evening came the first of three "public meetings," in which residents were encouraged to bring their concerns and wishes about natural disaster. Only a half dozen including three town officials, attended the meeting at Town Hall (the next will be held in April).

Jamie Caplan of Jamie Caplan Consulting, and Darrin Punchard of Punchard Consulting, spelled out the process that will next include data mining of existing things such as flood maps. It became clear that the recall of town residents about the history of the town will play an important role, since they made an impression at the time. Hurricane Bob, for instance.

Town Planner William Roth, who chaired the meeting, spoke with approval of a Federal Emergency Management Agency called "Community Rating System," which calculates a score for the community. The attraction, Roth said, is that property owners can get from 5 percent to 10 percent off their flood insurance premiums. He said that the CRS is separate from the Hazard Mitigation but can be done in parallel.

He also said that the town's own master plan work begins later this year, and could be worked into the Hazard Mitigation Plan.

A finished report will be available in July, said Caplan.

The hazard report will first go to the state, then to FEMA, assuming it is approved. FEMA will then look at it as the town's intention to help itself, and will make grant money available for mitigation measures identified in the report.

Selectman Robert Espindola attended the meeting as an audience member, and asked the consultants to come up with a simpler explanation for this process and what is in it for various types of businesses, organizations and individuals.

A web site has been established to provide all the information about the project:
Follow Steve Urbon on Twitter

#### FOR IMMEDIATE RELEASE

#### PUBLIC MEETING ON HAZARD MITIGATION PLAN

Residents and other community stakeholders are invited to participate in the Town of Fairhaven's 2<sup>nd</sup> Public Meeting regarding the development of a new Hazard Mitigation Plan. The meeting will take place on June 7, 2017 from 6:30 pm – 8:00 pm at the Town Hall, 40 Center Street, Fairhaven, MA. The plan is essential to the Town's efforts to identify ways to lessen the impacts of natural hazards such as hurricanes, flooding, and severe winter weather. All community members are welcome and encouraged to attend!

During this public meeting, preliminary results of the risk assessment will be shared and the identification of risk reduction goals and strategies will be discussed. Plenty of time will be available to capture feedback and additional input from attendees. Prior to adjourning the meeting, a raffle will be held for a copy of *The Great Hurricane – 1938*, a riveting account of one of the worst storm to strike New England, written by Cherie Burns.

Town residents are also encouraged to participate in the ongoing Public Opinion Survey to share their thoughts and input during the plan development process. The information provided will help the Town to better understand individual and unique hazard concerns in the community and can lead to mitigation activities that should help lessen the impacts of future disasters. Participation in this survey is voluntary and none of the information provided will be attributed to anyone directly.

To participate in the survey, please visit the Town's website at:

http://www.fairhaven-ma.gov/Pages/index

To learn more about the project, please visit the project web page at:

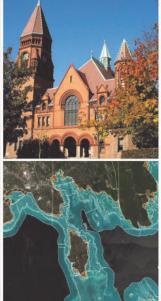
http://www.jamiecaplan.com/projects/fairhaven

If you have any questions or would like to learn about more ways you can participate in the development of the Hazard Mitigation Plan, please contact Bill Roth, Director of Planning & Economic Development, by phone at (508) 979-4082, Ext. 9 or by email at billr@fairhaven-ma.gov.

#### Town of Fairhaven Notice of Public Meeting Hazard Mitigation Plan

The Town will hold a Public Meeting on June 7, 2017, at 6:30pm at Town Hall. The purpose of the meeting will be to provide updated information and capture additional public input on the development of the Town's Hazard Mitigation Plan. This new plan is essential to the Town's efforts to improve emergency preparedness and identify ways to reduce or eliminate the impacts of natural hazards such as hurricanes, floods, and severe winter storms. At this second public meeting, preliminary results of the risk assessment will be shared and the identification of risk reduction goals and strategies will be discussed. All members of the community are encouraged to attend and bring their local knowledge, concerns, and ideas to help Fairhaven become safer from natural hazards. For more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 9 or <a href="mailto:billr@fairhaven-ma.gov">billr@fairhaven-ma.gov</a>. To learn more about this project and participate in the ongoing Public Opinion Survey, please visit the project website at <a href="http://www.jamiecaplan.com/projects/fairhaven">http://www.jamiecaplan.com/projects/fairhaven</a>.









## JUNE 7, 2017 6:30PM-8:00PM PUBLIC MEETING ON HAZARD MITIGATION PLAN

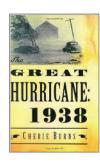
The development of Fairhaven's new Hazard Mitigation Plan is well underway. The plan is essential to the Town's efforts to identify ways to lessen the impacts of natural hazards such as hurricanes, flooding, and severe winter weather. During this second public meeting, the preliminary results of the risk assessment will be shared and the identification of risk reduction goals and strategies will be discussed.

#### **Public Opinion Survey and Project Website**

http://www.jamiecaplan.com/projects/fairhaven

#### **Public Participation is Needed!**

All meeting participants will be entered into a raffle to win a copy of the *Great Hurricane 1938* by Cherie Burns.



**Town Hall** 40 Center Street Fairhaven, MA

June 7, 2017 6:30 pm - 8:00 pm

Hurricanes, Floods and Winter Storms

Share Your Ideas for **Reducing Risk** 

Preparing a Hazard Mitigation Plan for **FEMA Approval** 

FOR MORE INFORMATION **PLEASE CONTACT:** 

Bill Roth Planning & Economic **Development Director** Town of Fairhaven 508-979-4082 ext.9 billr@fairhaven-ma.gov



## Public Meeting on Hazard Mitigation Plan June 7 • 6:30 p.m.–8 p.m.

Town Hall • 40 Center Street Fairhaven, Mass.

Hurricanes, floods & winter storms: Share your ideas for reducing risk, preparing a Hazard Mitigation Plan for FEMA approval

The development of Fairhaven's new Hazard Mitigation Plan is well underway. The plan is essential to the Town's effort to identify ways to lessen the impacts of natural hazards such as hurricanes.

flooding, and severe winter weather.

During this second public meeting, the preliminary results of the risk assessment will be shared and the identification of risk reduction goals and strategies will be discussed.

Public Opinion Survey and Project Website: http://www.jamiecaplan.com/projects/fairhaven Public Participation is Needed!

All meeting participants will be entered into a raffle to win a copy of the *Great Hurricane*: 1938, by Cherie Burns.



### For more information please contact:

Bill Roth, Planning & Economic Development Director, Town of Fairhaven, 508-979-4082, Ext. 9 billr@fairhaven-ma.gov

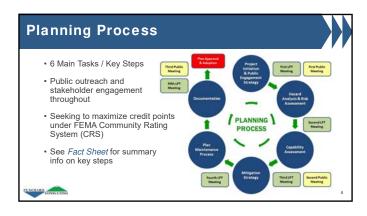
Town of Fairhaven - Local Hazard Mitigation Plan Public Meeting #2 June 7, 2017

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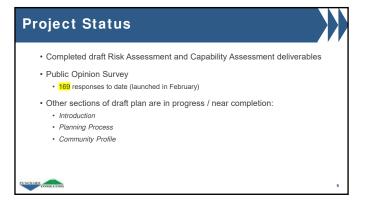


# 1. Who lives in the Town of Fairhaven? 2. What buildings, organizations and infrastructure do the people here rely on? 3. What weather related hazards impact these people and/or the buildings, organizations and infrastructure? 4. What can be done to lessen the impact of these hazards and to protect people and property?



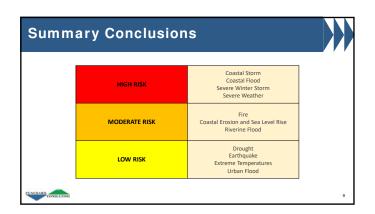


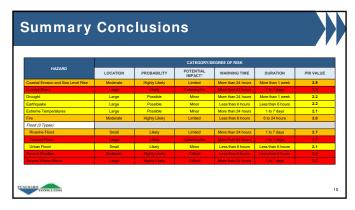




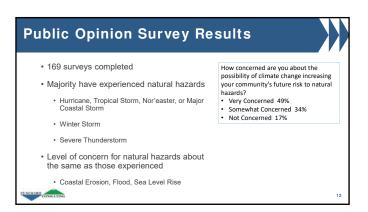


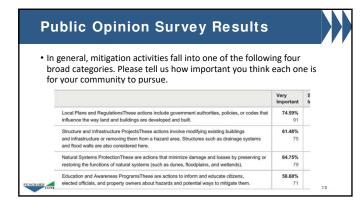


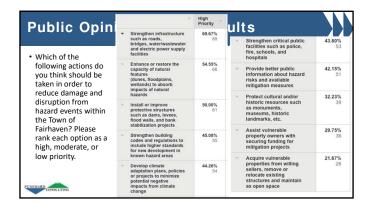


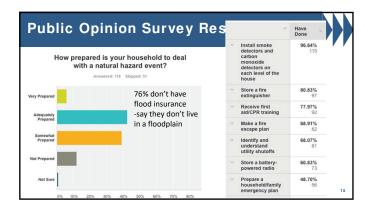


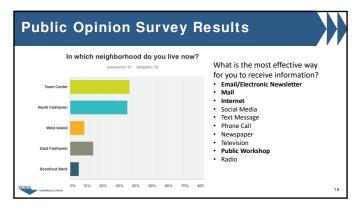




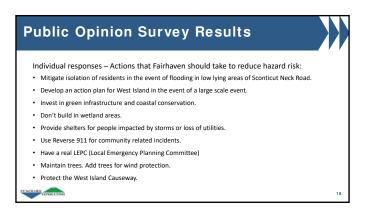


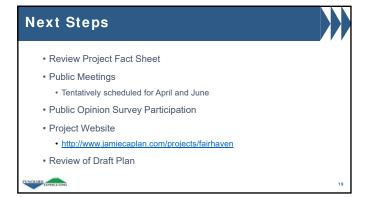




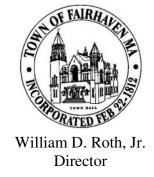












#### **Town of Fairhaven**

#### Department of Planning and Economic Development

Town Hall 40 Center Street Fairhaven, MA 02719

Telephone (508)-979-4082 FAX (508) 979-4087

#### FOR IMMEDIATE RELEASE

DATE: February 22, 2017

TO: Media Outlets

RE: TOWN OF FAIRHAVEN

HAZARD MITIGATION PLAN – PUBLIC OPINION SURVEY

CONTACT: William D. Roth, Jr.

Director of Planning & Economic Development

(508) 979-4082, Ext. 9

#### **Public Opinion Survey – Disaster Prevention Planning**

The Town of Fairhaven is developing a *Local Hazard Mitigation Plan*. The purpose of this plan is to identify and assess the Town's natural hazard risks (such as flooding, winter storms, hurricanes, and other severe weather events) and determine how to best minimize or manage those risks. **Public participation is essential!** 

To help increase public participation the Town has launched a *Public Opinion Survey* that provides an opportunity for residents, business owners, and other community stakeholders to share their thoughts and input during the plan development process. The information provided will help the Town to better understand individual and unique hazard concerns in our community and can lead to mitigation activities that should help lessen the impacts of future disasters. Participation in this survey is voluntary and none of the information provided will be attributed to anyone directly.

To participate in the survey go to the Town's website at:

http://www.fairhaven-ma.gov/Pages/index

To learn more about the project, please visit the project web page at:

http://www.jamiecaplan.com/projects/fairhaven

You will find additional project information and a link to the web-based survey in both locations.

The public will have additional opportunities to participate in the development of the *Local Hazard Mitigation Plan* by attending public meetings and reviewing the draft plan. These opportunities will be announced in the coming months.

If you have any questions regarding the survey, or would like to learn about more ways you can participate in the development of the *Local Hazard Mitigation Plan*, please contact Bill Roth, Director of Planning & Economic Development by phone at (508) 979-4082, Ext. 9 or by email at <a href="mailto:billr@fairhaven-ma.gov">billr@fairhaven-ma.gov</a>.



#### Town of Fairhaven Department of Planning & Economic Development

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#### MASTER PLAN and HAZARD MITIGATION PUBLIC OPINION SURVEY

The Town of Fairhaven is in the process of two very important planning projects: Fairhaven 2040-Master Plan and the Fairhaven Hazard Mitigation Plan. It is important for residents to take part in **BOTH** of these planning projects.

Fairhaven 2040 – Master Plan will help guide the Town in how we want to grow, develop and over the next two decades.

Fairhaven Hazard Mitigation Plan's purpose is to identify and assess the Town's natural hazard risks, (such as flooding, winter storms, hurricanes, and other severe weather events), and determine how to best minimize or manage those risks.

Having these plans will also help make Fairhaven eligible for Federal and State Grants. **Your** input is extremely important to us as we plan to meet the Town's needs. Please take a few minutes to answer the online surveys. Both surveys are available online at the Town's web site

https://www.fairhaven-ma.gov



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Postcard notifications for Public Opinion Survey that were mailed to all Town Meeting members (more than 400 residents)



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#### Thank You for Your Assistance

The Town of Fairhaven is currently engaged in a planning process to become less vulnerable to disasters caused by natural hazards, and your participation is important to us!

The Local Planning Team is working on the Town's Hazard Mitigation Plan. The purpose of this plan is to identify and assess the Town's natural hazard risks (such as flooding, winter storms, hurricanes, and other severe weather events) and determine how to best minimize or manage those risks. Upon completion, this plan will be presented to the Town for adoption and submitted to the MA Emergency Management Agency (MEMA) and Federal Emergency Management Agency (FEMA) for review and approval.

This survey provides an opportunity for you to share your opinions and participate in the mitigation planning process. The information you provide will help us better understand your hazard concerns and can lead to mitigation activities that should help lessen the impacts of future disasters. Participation in this survey is voluntary and none of the information you provide will be attributed to you directly.

If you have any questions regarding this survey or would like to learn about more ways you can participate in the development of the Hazard Mitigation Plan, please contact Bill Roth at billr@fairhaven-ma.gov or 508-979-4082 ext.122.



#### Natural Hazards

Tell us about your experiences and concerns involving natural hazards.
1. Have you ever experienced or been impacted by a natural hazard?
Yes
○ No
2. If yes, which of these hazards have you experienced or been impacted by? (Please check all that apply)
Coastal Erosion
Dam Failure
Drought
Earthquake
Extreme Temperatures
Flood
Hurricane, Tropical Storm, Nor'easter, or other Major Coastal Storm
Ice Storm
Landslide
Sea Level Rise
Severe Thunderstorm, Tornado, or other Windstorm Event
Wildfire
Winter Storm
Other (please specify)

	Very Concerned	Somewhat Concerned	Not Concerned				
Coastal Erosion							
Dam Failure							
Drought		$\circ$					
Earthquake		$\circ$	$\bigcirc$				
Extreme Temperatures		$\bigcirc$					
Flood		$\bigcirc$					
Hurricane, Tropical Storm, Nor'easter, or other Major Coastal Storm							
Ice Storm							
Landslide							
Sea Level Rise							
Severe Thunderstorm, Tornado, or other Windstorm Event							
Wildfire							
Winter Storm							
4. How concerned are you about the possibility of climate change increasing your community's future risk to natural hazards?  Very Concerned  Somewhat Concerned  Not Concerned							
5. Are there any natural ha Fown's mitigation plan? If y		ed above that you think should em below.	be considered in the				

#### **Community Assets**

In order to assess community hazard risk, we need to understand which community assets may be vulnerable. Community assets are features, characteristics, or resources that either make a community unique or allow it to function.

6. In your opinion, which of the following categories of assets are most vulnerable to natural hazards in your community? (Please rank the community assets in order of vulnerability, with 1 being the most vulnerable and 6 being least vulnerable.)

0 0 0 0 0 0	People (Loss of life and/or injuries, financial hardship, or other negative impacts to well-being)
**	Economic (Property damage, business interruptions/closures, job losses, etc.)
0 0 0 0 0 0	full infrastructure (Damage or loss of roads, bridges, utilities, schools, etc.)
0 0 0 0 0 0	Cultural/Historic (Damage or loss of libraries, museums, historic properties, etc.)
0 0 0 0 0 0	Environmental (Damage, contamination, or loss of water, trees, beaches, open space, etc.)
0 0 0 0 0 0	Governance (Ability to maintain order and/or provide public amenities and services.)

Mitigation and Preparedness Activities

Mitigation simply means to make something become less harsh or severe. Hazard mitigation is	
defined as any sustained action taken to reduce or eliminate long-term risk to life and property from	om
hazards. It includes a variety of possible activities that can be implemented by public agencies, the	ıe
private sector, or individuals.	

	Very Important	Somewhat Important	Not Important
Local Plans and Regulations These actions include government authorities, policies, or codes that influence the way land and buildings are developed and built.			
Structure and infrastructure Projects These actions involve modifying existing buildings and infrastructure or emoving them from a hazard area. Structures such as drainage systems and flood walls are also considered here.			
Natural Systems Protection These are actions that minimize damage and cosses by preserving or estoring the functions of matural systems (such as dunes, floodplains, and wetlands).			
Education and Awareness Programs These are actions to Inform and educate Initiation of the second of			
_		ould be taken in order to reduce Please rank each option as a	- · · · · · · · · · · · · · · · · · · ·
	High Priority	Moderate Priority	Low Priority
Strengthen critical public facilities such as police,			

	High Priority	Moderate Priority	Low Priority
Strengthen infrastructure such as roads, bridges, water/wastewater and electric power supply facilities			
Protect cultural and/or historic resources such as monuments, museums, historic landmarks, etc.			
Install or improve protective structures such as dams, levees, flood walls, and bank stabilization projects			
Strengthen building codes and regulations to include higher standards for new development in known hazard areas			
Acquire vulnerable properties from willing sellers, remove or relocate existing structures and maintain as open space	0		
Assist vulnerable property owners with securing funding for mitigation projects	0		
Provide better public information about hazard risks and available mitigation measures			
Enhance or restore the capacity of natural features (dunes, floodplains, wetlands) to absorb impacts of natural hazards			
Develop climate adaptation plans, policies or projects to minimize potential negative impacts from climate change			

	natural hazards in you	. spesine neight	2311100a 01 0100W		a. ncy.
Have very ar any	· local arganizations in		u takan anu aatia		animata tha
	local organizations in		y taken any actio	ns to reduce or elli	minate the
k of natural nazal	ds? If yes, please expl	aın.			

Personal Preparedness							
11. How prepared is your household to deal with a natural hazard event?							
Very Prepared							
Adequately Prepared							
Somewhat Prepared							
Not Prepared							
Not Sure							
12. In the following list, please check the activities that you have done, plan to do, have not done, or are unable to do for your household.							
	Have Done	Plan to Do	Have Not Done	Unable to Do			
Receive first aid/CPR training							
Make a fire escape plan	$\bigcirc$						
Prepare a household/family emergency plan							
Prepare a disaster supply kit (extra food, water, first aid kit, medicines, and other emergency supplies)							
Install smoke detectors and carbon monoxide detectors on each level of the house	0		0				
Purchase and program a NOAA Weather Radio	$\bigcirc$		$\bigcirc$	$\bigcirc$			
Store a generator for backup power			0				
Store a battery-powered radio							
Store a fire extinguisher							
Store sand bags	$\bigcirc$						

	Have Done	Plan to Do	Have Not Done	Unable to Do	
Purchase natural hazard insurance (flood, earthquake, wildfire, etc.)	0				
Identify and understand utility shutoffs	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Anchor service utilities to your home (water heater, furnace, wood stove, etc.)	0	0	0	0	
Strengthened your home through mitigation retrofits or when your home was constructed. (This includes raising your home above flood level)					
13. Do you have flood  Yes	insurance?				
No					
I don't know					
14. If "No", why not?					
I don't live in a floodpla	in				
It's too expensive					
It never floods here					
My house is elevated					
I never considered it					
Other (please specify)					

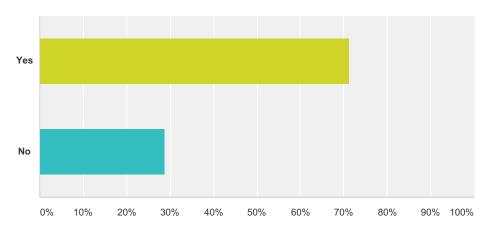
## Fairhaven, MA Public Opinion Survey 15. Do you live in Fairhaven, MA? Yes No 16. How long have you lived in Fairhaven? Less than 1 year 1-5 years 6-9 years 10-19 years 20 years or more 17. In which neighborhood do you live now? Town Center North Fairhaven West Island East Fairhaven Sconticut Neck

$\neg$	ghborhood more resistant to natural hazards?
	Phone Call
	Email/Electronic Newsletter
	Newspaper
	Television
	Radio
	Internet (web pages)
	Internet (social media)
	Text message
	Mail
	Public workshop
Othe	er (please specify)
	Yes No
	I don't know
	If you would like to be notified of future opportunities to participate in the plan update process, please vide us with your preferred email address below.
prov 21. con	
prov 21. con	Thank you for taking the time to complete this survey! Your responses will be very helpful as we tinue with the planning process. If you have any final comments, questions, or concerns to share with
prov 21. con	Thank you for taking the time to complete this survey! Your responses will be very helpful as we tinue with the planning process. If you have any final comments, questions, or concerns to share with

Fairhaven, MA Public Opinion Survey

## Q1 Have you ever experienced or been impacted by a natural hazard?

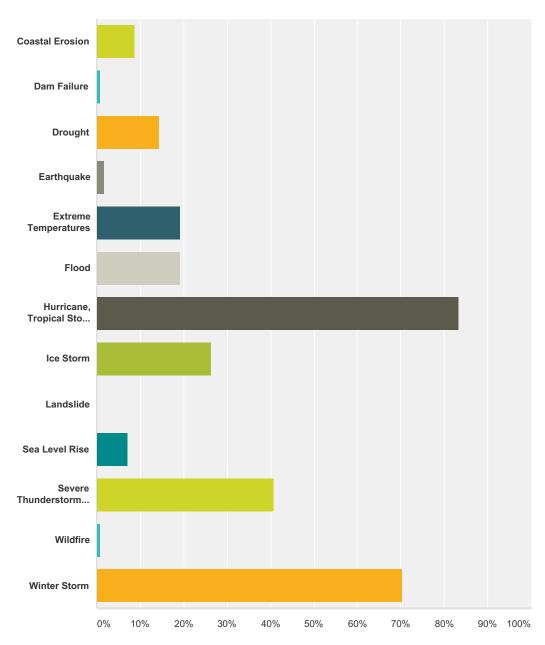




Answer Choices	Responses	
Yes	71.18%	121
No	28.82%	49
Total		170

## Q2 If yes, which of these hazards have you experienced or been impacted by? (Please check all that apply)

Answered: 125 Skipped: 47



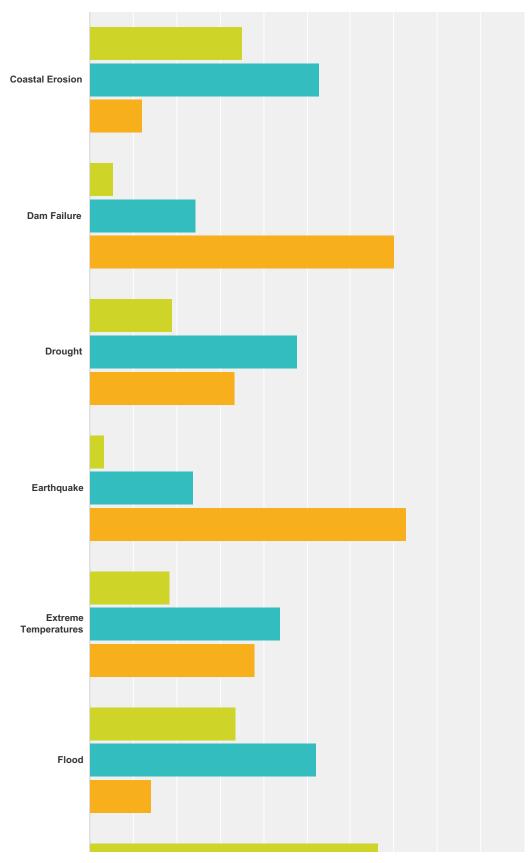
Answer Choices	Responses	
Coastal Erosion	8.80%	11
Dam Failure	0.80%	1
Drought	14.40%	18
Earthquake	1.60%	2
Extreme Temperatures	19.20%	24

Flood	19.20%	24
Hurricane, Tropical Storm, Nor'easter, or other Major Coastal Storm	83.20%	104
Ice Storm	26.40%	3:
Landslide	0.00%	
Sea Level Rise	7.20%	
Severe Thunderstorm, Tornado, or other Windstorm Event	40.80%	5
Wildfire	0.80%	
Winter Storm	70.40%	8
al Respondents: 125		

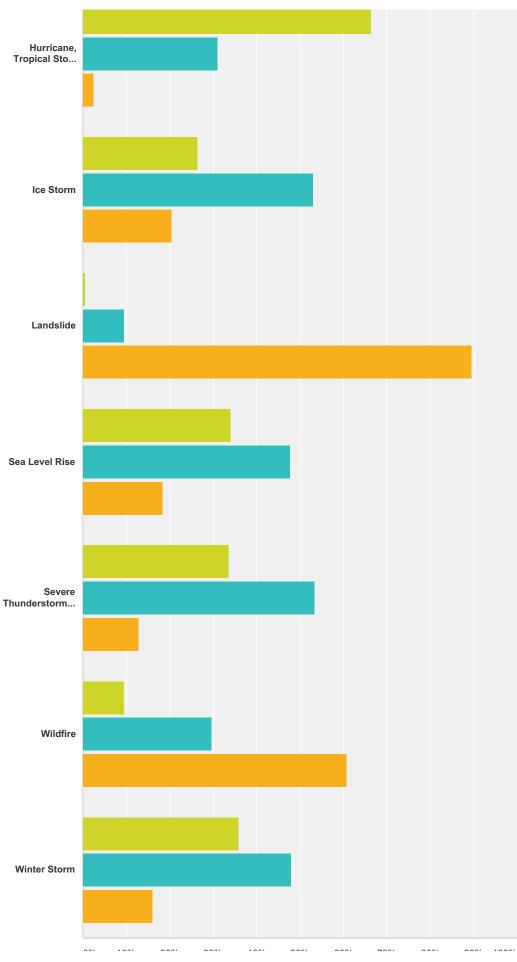
#	Other (please specify)	Date
1	This was in NH	3/19/2017 2:32 PM
2	We were only flooded because the hurricane barrier was inoperable during repairs	3/9/2017 7:59 PM
3	house fire	2/26/2017 12:41 AM

## Q3 How concerned are you about the following hazards?

Answered: 162 Skipped: 10



Fairhaven, MA Public Opinion Survey



0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

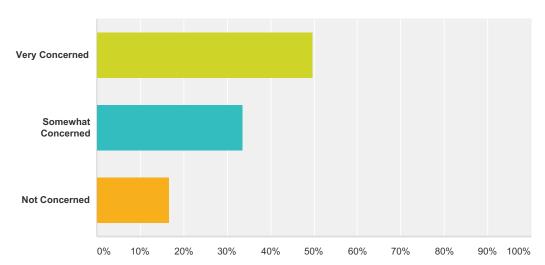
Very Concerned Somewhat Concerned

Not Concerned

	Very Concerned	Somewhat Concerned	Not Concerned	Total
Coastal Erosion	35.03%	52.87%	12.10%	
	55	83	19	15
Dam Failure	5.44%	24.49%	70.07%	
	8	36	103	14
Drought	18.95%	47.71%	33.33%	
	29	73	51	15
Earthquake	3.40%	23.81%	72.79%	
	5	35	107	14
Extreme Temperatures	18.30%	43.79%	37.91%	
	28	67	58	15
Flood	33.55%	52.26%	14.19%	
	52	81	22	15
Hurricane, Tropical Storm, Nor'easter, or other Major Coastal Storm	66.46%	31.06%	2.48%	
	107	50	4	16
Ice Storm	26.49%	52.98%	20.53%	
	40	80	31	15
Landslide	0.69%	9.66%	89.66%	
	1	14	130	14
Sea Level Rise	33.99%	47.71%	18.30%	
	52	73	28	15
Severe Thunderstorm, Tornado, or other Windstorm Event	33.55%	53.55%	12.90%	
	52	83	20	15
Wildfire	9.66%	29.66%	60.69%	
	14	43	88	14
Winter Storm	35.90%	48.08%	16.03%	
	56	75	25	15

### Q4 How concerned are you about the possibility of climate change increasing your community's future risk to natural hazards?

Answered: 161 Skipped: 11



Answer Choices	Responses
Very Concerned	<b>49.69%</b> 80
Somewhat Concerned	<b>33.54%</b> 54
Not Concerned	<b>16.77%</b> 27
Total	161

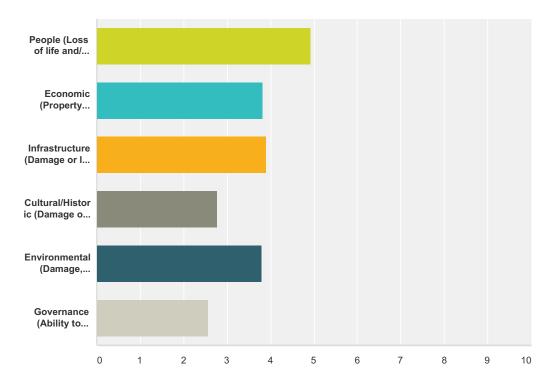
## Q5 Are there any natural hazards that were not listed above that you think should be considered in the Town's mitigation plan? If yes, please describe them below.

Answered: 14 Skipped: 158

#	Responses	Date
1	Tsunami Hazard	6/8/2017 8:38 AM
2	Lime Disease	5/16/2017 4:32 PM
3	Cancer causing chemicals including PCBs that the Town of Fairhaven, including its Selectman, are permitting to be dumped into the town & its waterfront	5/1/2017 8:09 AM
4	Lyme ticks	4/21/2017 9:53 AM
5	events that would effect our water supply and delivery	4/6/2017 7:54 AM
6	diseases spread by tics & mosquitoes	4/4/2017 9:01 PM
7	none	3/21/2017 3:05 PM
8	The only thing is to consider the impact of natural hazards on infrastructure (i.e. Fairhaven / New Bedford Bridge) and how damage to that could impact the Fiarhaven community	3/21/2017 8:11 AM
9	No.	3/20/2017 2:56 PM
10	Trump	3/17/2017 10:13 PM
11	No	3/17/2017 1:02 PM
12	Diseases caused by ticks or other pests that are hard to control.	3/10/2017 8:04 AM
13	Tidal waves/ tsunamis	3/9/2017 12:05 PM
14	nuclear fallout	2/26/2017 12:43 AM

Q6 In your opinion, which of the following categories of assets are most vulnerable to natural hazards in your community? (Please rank the community assets in order of vulnerability, with 1 being the most vulnerable and 6 being least vulnerable.)

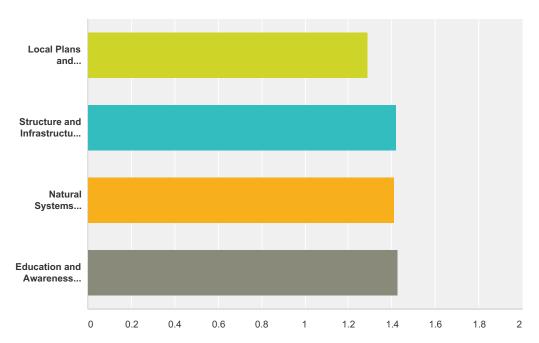




	1	2	3	4	5	6	Total	Score
People (Loss of life and/or injuries, financial hardship, or other negative impacts to well-being)	<b>59.65%</b> 68	<b>7.02%</b> 8	<b>14.04%</b> 16	<b>8.77%</b> 10	<b>7.02%</b> 8	<b>3.51%</b> 4	114	4.93
Economic (Property damage, business interruptions/closures, job losses, etc.)	<b>9.65%</b>	<b>32.46%</b> 37	<b>17.54%</b> 20	<b>20.18%</b> 23	<b>10.53%</b> 12	<b>9.65%</b>	114	3.82
Infrastructure (Damage or loss of roads, bridges, utilities, schools, etc.)	<b>10.26%</b> 12	<b>23.08%</b> 27	<b>28.21%</b> 33	<b>25.64%</b> 30	<b>11.97%</b>	<b>0.85%</b>	117	3.91
Cultural/Historic (Damage or loss of libraries, museums, historic properties, etc.)	<b>12.10%</b> 15	<b>6.45%</b> 8	<b>11.29%</b>	<b>14.52%</b> 18	<b>27.42%</b> 34	<b>28.23%</b> 35	124	2.77
Environmental (Damage, contamination, or loss of water, trees, beaches, open space, etc.)	<b>12.59%</b> 17	<b>24.44%</b> 33	<b>20.74%</b> 28	<b>20.00%</b> 27	<b>16.30%</b> 22	<b>5.93%</b> 8	135	3.79
Governance (Ability to maintain order and/or provide public amenities and services.)	<b>5.80%</b> 8	<b>10.87%</b> 15	<b>13.04%</b>	<b>11.59%</b>	<b>21.01%</b> 29	<b>37.68%</b> 52	138	2.56

## Q7 In general, mitigation activities fall into one of the following four broad categories. Please tell us how important you think each one is for your community to pursue.

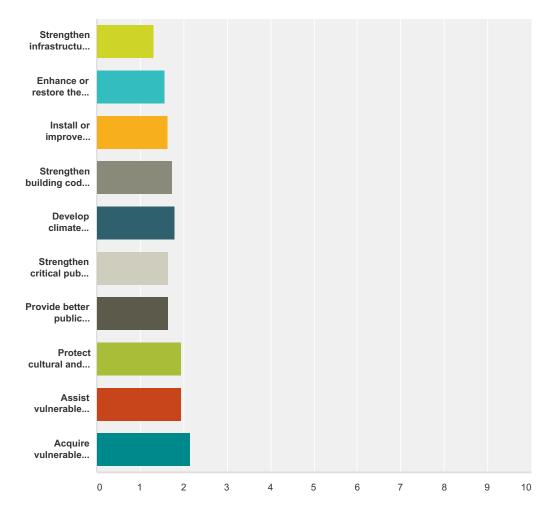
Answered: 125 Skipped: 47



	Very Important	Somewhat Important	Not Important	Total	Weighted Average
Local Plans and RegulationsThese actions include government authorities, policies, or codes that influence the way land and buildings are developed and built.	<b>73.60%</b> 92	<b>24.00%</b> 30	<b>2.40%</b> 3	125	1.29
Structure and Infrastructure ProjectsThese actions involve modifying existing buildings and infrastructure or removing them from a hazard area. Structures such as drainage systems and flood walls are also considered here.	<b>62.40%</b> 78	<b>32.80%</b> 41	<b>4.80%</b> 6	125	1.42
Natural Systems ProtectionThese are actions that minimize damage and losses by preserving or restoring the functions of natural systems (such as dunes, floodplains, and wetlands).	<b>64.80%</b> 81	<b>29.60%</b> 37	<b>5.60%</b> 7	125	1.41
Education and Awareness ProgramsThese are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them.	<b>58.87%</b> 73	<b>39.52%</b> 49	<b>1.61%</b> 2	124	1.43

Q8 Which of the following actions do you think should be taken in order to reduce damage and disruption from hazard events within the Town of Fairhaven? Please rank each option as a high, moderate, or low priority.





	High Priority	Moderate Priority	Low Priority	Total	Weighted Average
Strengthen infrastructure such as roads, bridges, water/wastewater and electric power supply facilities	<b>69.60%</b> 87	<b>28.80%</b> 36	<b>1.60%</b>	125	1.32
Enhance or restore the capacity of natural features (dunes, floodplains, wetlands) to absorb impacts of natural hazards	<b>54.03%</b> 67	<b>34.68%</b> 43	<b>11.29%</b> 14	124	1.57
Install or improve protective structures such as dams, levees, flood walls, and bank stabilization projects	<b>49.60%</b> 62	<b>39.20%</b> 49	<b>11.20%</b>	125	1.62
Strengthen building codes and regulations to include higher standards for new development in known hazard areas	<b>44.80%</b> 56	<b>36.00%</b> 45	<b>19.20%</b> 24	125	1.74
Develop climate adaptation plans, policies or projects to minimize potential negative impacts from climate change	<b>44.00%</b> 55	<b>32.80%</b> 41	<b>23.20%</b> 29	125	1.79

Strengthen critical public facilities such as police, fire, schools, and hospitals	43.55%	47.58%	8.87%		
	54	59	11	124	1.65
Provide better public information about hazard risks and available mitigation measures	42.74%	50.81%	6.45%		
	53	63	8	124	1.64
Protect cultural and/or historic resources such as monuments, museums, historic landmarks,	31.45%	41.94%	26.61%		
etc.	39	52	33	124	1.95
Assist vulnerable property owners with securing funding for mitigation projects	30.65%	44.35%	25.00%		
	38	55	31	124	1.94
Acquire vulnerable properties from willing sellers, remove or relocate existing structures and	21.95%	42.28%	35.77%		
maintain as open space	27	52	44	123	2.14

# Q9 Please briefly describe any specific actions that you think your community should take to reduce or eliminate the risk of natural hazards in your specific neighborhood or elsewhere in the community.

Answered: 30 Skipped: 142

#	Responses	Date
1	Continue educational and planning incentives.	6/8/2017 8:43 AM
2	Make improvements, if possible, to mitigate the isolation of residents in the event of the flooding of low areas of Sconticut Neck Rd. that have been known to flood. Develop an Action Plan for the residents of West Island in the event of a large scale incident. Institute civil defense volunteer groups to assist police and fire in the event of a large scale event that will tax the resources of those departments.	5/16/2017 4:53 PM
3	Immediately halt any further dumping of PCBs in the Fairhaven harbor between Rt 6 Bridge and I-195 Bridge	5/1/2017 8:13 AM
1	public awareness	4/19/2017 7:38 PM
5	Appoint a full time conservation agent so that they can work to invest in green infrastructure and create a culture of conservation. Restore coastal plants to reduce flooding and enhance natural community.	4/5/2017 3:06 PM
6	Stop building in sensitive areas, protection of wetlands that does not involve substitution or creation of "new" wetland areas	4/2/2017 2:54 PM
7	My neighborhood is very windy. Having more natural barriers (like trees) would help.	3/26/2017 3:57 PM
8	Shelters for townspeople that are affected by hurricanes, fires or prolonged loss of utilities.	3/25/2017 9:14 PM
9	Don't over react and over reach.	3/23/2017 3:21 PM
10	REPAIR ERRODING COSTAL AREAS. ie PARTS OF S.W. SCONTICUT NECK AND S.W. WEST ISLAND WHERE SAND & SHORE HAS BEEN STRIPPED AWAY BY STORMS.	3/22/2017 2:11 PM
11	Sea level rise and shore erosion	3/21/2017 8:22 PM
12	Test to determine if update is needed for reverse 911 for notification of hazards. Use it for other community-related incidents, not only in event of natural hazards.	3/21/2017 8:25 AM
13	have a real LEPC with actual regular meetings. Have actual assets available on short notice and trust in public safety professionals when these assets are requested. Take the EMA and disolve it as it stands and seek MEMA and FEMA guidance to improve what we dont have now.	3/20/2017 2:46 PM
14	any action needed to protect health not actions of non provable theories	3/20/2017 12:46 PM
15	The trash buildup issue is real. In any kid of windstorm it will allow for serious and hazardous situations. Too many residents are holding trash because their recycle bins are full and they only have one barrel	3/19/2017 9:57 PM
16	As we are seeing an increase in high winds/tornado warnings in the MA area, come up with a safety plan for residents.	3/19/2017 2:40 PM
17	I am most concerned with the potential for severe weather (hurricanes, etc.) to spread pollution. I think Fairhaven should be strongly opposing the massive PCB repository being created to our west and should be pressing more vigorously to have the Atlas Tack and smaller sites removed before nature disperses the contaminants they hold.	3/18/2017 6:35 PM
18	G Bourne knowles property has already had one major fire. Looks very vulnerable to another. It also just looks awful in general as the property is falling apart. Is anything to be done about this?	3/18/2017 5:03 PM
19	repair or replace all non-vertical, over loaded , utility poles	3/18/2017 10:35 AM
20	No opinion	3/17/2017 1:06 PM
21	As we watch the Acushnet River being dredged for PCBs, what is being done to protect the Fairhaven land line?	3/14/2017 9:11 AM
22	Address unsafe structures, Offer first aid & cpr classes Offer water safety classes	3/13/2017 7:08 AM
	1	

23	Tree maintenance	3/12/2017 4:35 PM
24	Atlas tack	3/10/2017 11:35 PM
25	I'm not sure what is in place or can be put in place in the case that the causeway to West Island got compromised.	3/10/2017 7:40 PM
26	Educate about the costs (tax increases, personal costs, ect) of what happens if we don't use personal responsibility to reduce climate change and rebuild natural mitigations like wetlands and open spaces.	3/10/2017 6:17 PM
27	Maintain the shoreline man-made and natural barriers to coastal flooding and storm impacts. Assess the resiliency of historic buildings and consider a program of preventative maintenance to reduce risk of damage.	3/9/2017 8:00 PM
28	Increasing green energy initiatives is probably the most impactful way we can reduce our carbon footprint which may be leading to increased natural hazard events.	3/9/2017 2:03 PM
29	Assess current situations that are concern for immediate hazards and make a plan to fix that. Enforce new regulation to prevent future vulnerabilities.	3/9/2017 11:06 AM
30	Please continue the shorebird protection on West Island. It is important to that species and it was an inspiration for my daughter's interest in Conservation!!	2/26/2017 1:02 AM

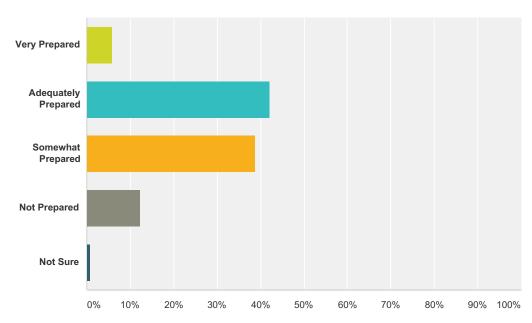
## Q10 Have you or any local organizations in your community taken any actions to reduce or eliminate the risk of natural hazards? If yes, please explain.

Answered: 18 Skipped: 154

#	Responses	Date
1	Working on involvement/expanding situational awareness/ prospective planning	6/8/2017 8:43 AM
2	The Sandy Beach Organization have attempted to mitigate the erosion of Sandy Beach by building a stone wall channel and bridge for a tidal estuary, adding additional sand to the beach due to erosion, and putting in place a sand bag barrier to hold back tidal waters from entering a tidal pool. The second two have had limited or no success.	5/16/2017 4:53 PM
3	Extensive discussions with residents concerning extremely unwise decision to move PCBs from New Bedford Industrial area north of I-195 barrier to the Middle Harbor between Rt 6 Bridgd and I-195 Barrier Bridge	5/1/2017 8:13 AM
4	no	4/19/2017 7:38 PM
5	Protecting my own property from risk or impact of flooding	4/2/2017 2:54 PM
6	I bought a snow blower.	3/23/2017 3:21 PM
7	YES. SOME MODERN BUILDING CODES ADOPTED	3/22/2017 2:11 PM
8	As Coast Guard Auxiliary member I have been involved in community education outreach. Also Eversource has community outreach during storm disasters.	3/21/2017 8:25 AM
9	Not that I know of	3/19/2017 2:40 PM
10	No I have not.	3/18/2017 5:03 PM
11	no	3/18/2017 10:35 AM
12	No	3/17/2017 1:06 PM
13	Tree maintenance	3/12/2017 4:35 PM
14	I've been part of many education campaigns about clean energy.	3/10/2017 6:17 PM
15	n/a	3/9/2017 2:03 PM
16	No	3/9/2017 11:06 AM
17	Cut down tree branches that are close to electrical wires and transformers to prevent loss of power, especially during winter storms.	3/2/2017 1:42 AM
18	Yes. Global warming educational handouts and park cleanups. (I moved here from Brockton) I would volunteer in a heartbeat in any Fairhaven cleanup!!!	2/26/2017 1:02 AM

### Q11 How prepared is your household to deal with a natural hazard event?

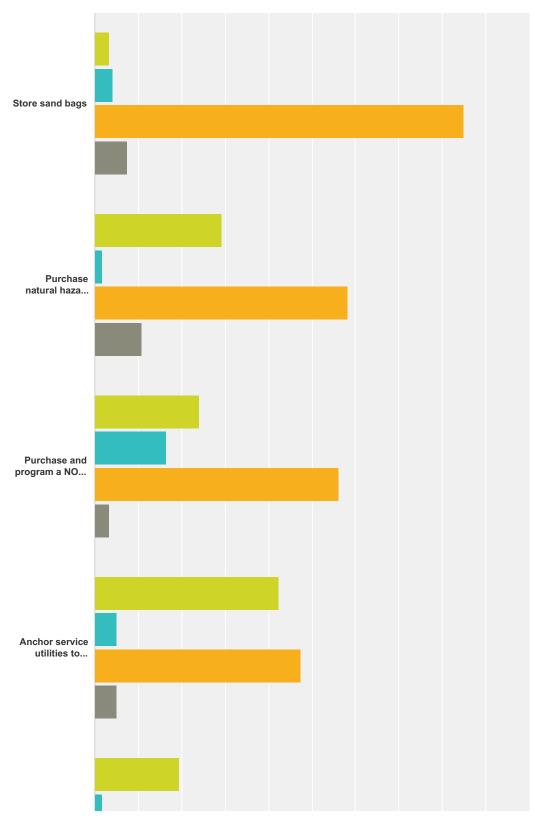
Answered: 121 Skipped: 51

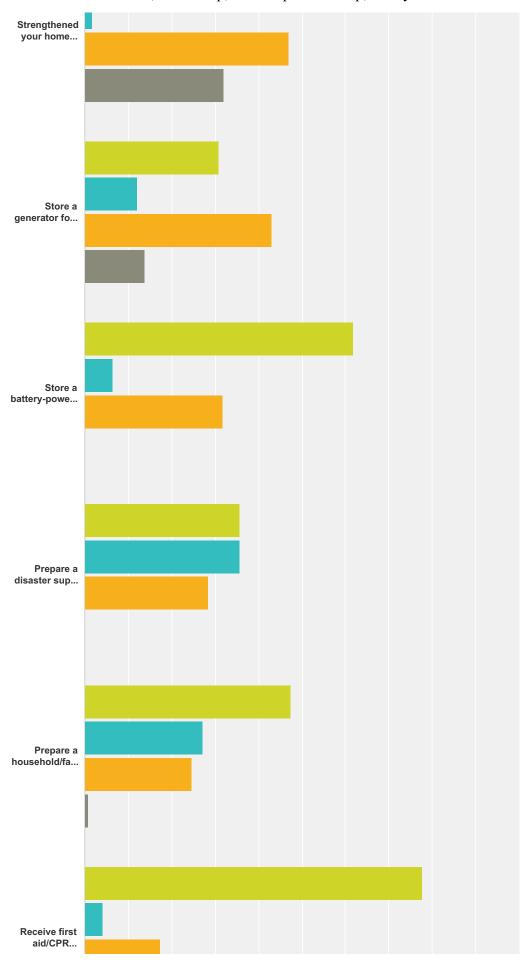


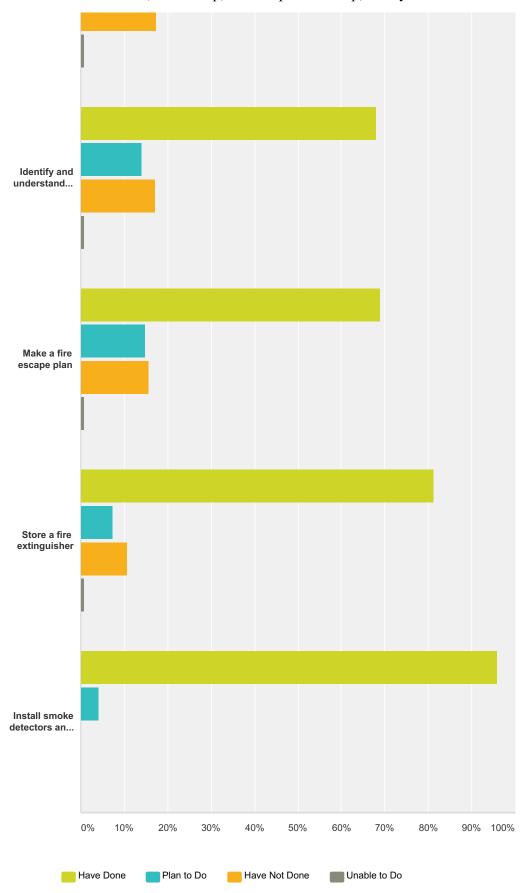
Answer Choices	Responses	
Very Prepared	5.79%	7
Adequately Prepared	42.15%	51
Somewhat Prepared	38.84%	47
Not Prepared	12.40%	15
Not Sure	0.83%	1
Total		121

### Q12 In the following list, please check the activities that you have done, plan to do, have not done, or are unable to do for your household.

Answered: 123 Skipped: 49





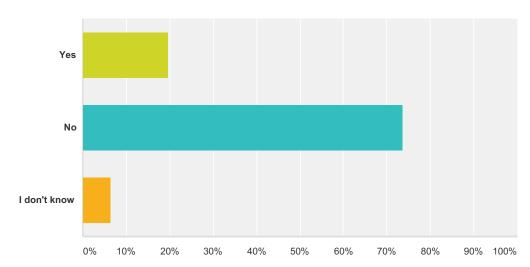


Have	Plan to	Have Not	Unable	Total	
Done	Do	Done	to Do		

Store sand bags	3.36% 4	<b>4.20%</b> 5	<b>84.87%</b> 101	<b>7.56%</b>	11
	00.470/			-	
Purchase natural hazard insurance (flood, earthquake, wildfire, etc.)	<b>29.17%</b> 35	<b>1.67%</b>	<b>58.33%</b>	<b>10.83%</b>	12
No. 1 NOAA W II D I'					
Purchase and program a NOAA Weather Radio	<b>23.97%</b> 29	<b>16.53%</b> 20	<b>56.20%</b>	<b>3.31%</b>	1
Anchor service utilities to your home (water heater, furnace, wood stove, etc.)	42.37%	5.08%	47.46%	5.08%	
and of the diffice to your name (water neater, ramade, mode deve, etc.)	50	6	56	6	1
Strengthened your home through mitigation retrofits or when your home was constructed. (This	19.33%	1.68%	47.06%	31.93%	
ncludes raising your home above flood level)	23	2	56	38	1
Store a generator for backup power	30.89%	12.20%	43.09%	13.82%	
	38	15	53	17	,
Store a battery-powered radio	61.79%	6.50%	31.71%	0.00%	
	76	8	39	0	
Prepare a disaster supply kit (extra food, water, first aid kit, medicines, and other emergency supplies)	35.77%	35.77%	28.46%	0.00%	
	44	44	35	0	
Prepare a household/family emergency plan	47.46%	27.12%	24.58%	0.85%	
	56	32	29	1	
Receive first aid/CPR training	77.69%	4.13%	17.36%	0.83%	
	94	5	21	1	
Identify and understand utility shutoffs	68.03%	13.93%	17.21%	0.82%	
	83	17	21	1	
Make a fire escape plan	68.85%	14.75%	15.57%	0.82%	
	84	18	19	1	
Store a fire extinguisher	81.30%	7.32%	10.57%	0.81%	
	100	9	13	1	·
Install smoke detectors and carbon monoxide detectors on each level of the house	95.90%	4.10%	0.00%	0.00%	
	117	5	0	0	

#### Q13 Do you have flood insurance?

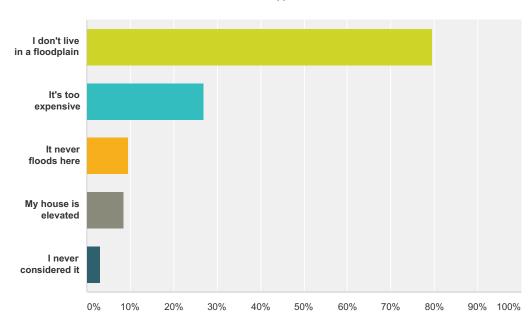
Answered: 122 Skipped: 50



Answer Choices	Responses
Yes	19.67% 24
No	<b>73.77%</b> 90
I don't know	<b>6.56%</b> 8
Total	122

#### Q14 If "No", why not?

Answered: 93 Skipped: 79

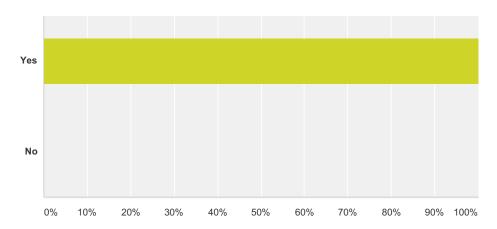


Answer Choices	Responses	
I don't live in a floodplain	79.57%	74
It's too expensive	26.88%	25
It never floods here	9.68%	9
My house is elevated	8.60%	8
I never considered it	3.23%	3
Total Respondents: 93		

#	Other (please specify)	Date
1	resident senior housing	6/8/2017 8:44 AM
2	My residence is on the very edge of the redrawn FEMA floodplain map - two feet away at the same height of land is no flood zone.	4/5/2017 3:09 PM
3	I live on a hill.	3/22/2017 1:36 PM
4	Don't live in a flood zone	3/10/2017 8:09 PM
5	I am a renter.	3/10/2017 6:18 PM
6	Live in an apartment complex	3/9/2017 9:11 AM

#### Q15 Do you live in Fairhaven, MA?

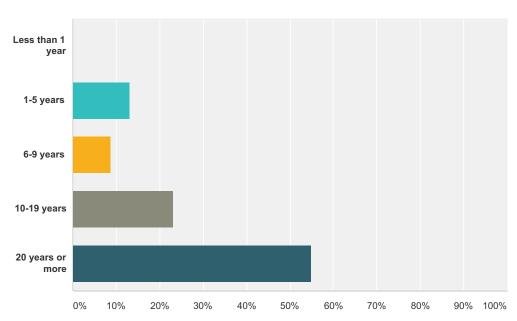
Answered: 90 Skipped: 82



Answer Choices	Responses	
Yes	100.00%	90
No	0.00%	0
Total		90

#### Q16 How long have you lived in Fairhaven?

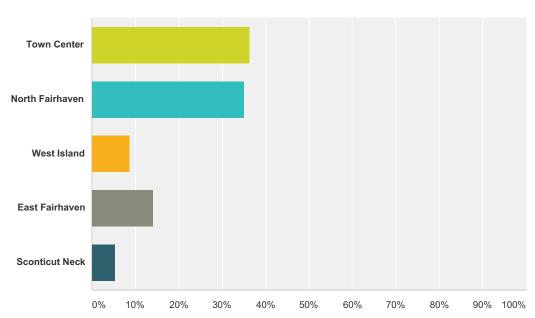




Answer Choices	Responses	
Less than 1 year	0.00%	0
1-5 years	13.19%	12
6-9 years	8.79%	8
10-19 years	23.08%	21
20 years or more	54.95%	50
Total		91

### Q17 In which neighborhood do you live now?

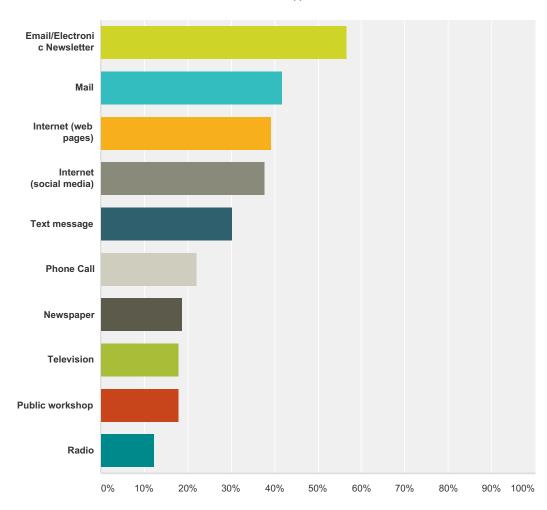




Answer Choices	Responses	
Town Center	36.26%	33
North Fairhaven	35.16%	32
West Island	8.79%	8
East Fairhaven	14.29%	13
Sconticut Neck	5.49%	5
Total		91

### Q18 What is the most effective way for you to receive information about how to make your home and neighborhood more resistant to natural hazards?

Answered: 122 Skipped: 50



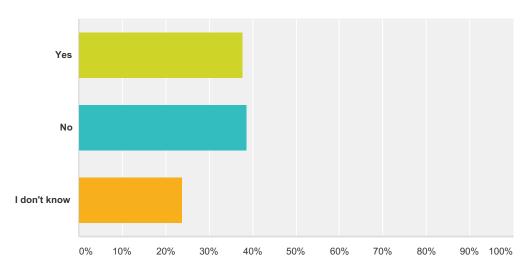
Answer Choices	Responses	
Email/Electronic Newsletter	56.56%	69
Mail	41.80%	51
Internet (web pages)	39.34%	48
Internet (social media)	37.70%	46
Text message	30.33%	37
Phone Call	22.13%	27
Newspaper	18.85%	23
Television	18.03%	22
Public workshop	18.03%	22

Radio	12.30%	15
Total Respondents: 122		

#	Other (please specify)	Date
1	PSAs CATV Reverse 911 Workshops	6/8/2017 8:47 AM
2	Neighborhood meetings	3/10/2017 6:20 PM
3	"The Neighborhood News" free publication	2/26/2017 1:08 AM

## Q19 Do you feel that information about the risk associated with natural hazards, and ways to reduce those risks, is readily available and easy to locate?

Answered: 122 Skipped: 50



Answer Choices	Responses	
Yes	37.70%	46
No	38.52%	47
I don't know	23.77%	29
Total		122

### Q20 If you would like to be notified of future opportunities to participate in the plan update process, please provide us with your preferred email address below.

Answered: 42 Skipped: 130

#	Responses	Date
1		6/8/2017 8:47 AM
2		5/16/2017 5:01 PM
3		5/1/2017 8:16 AM
4		4/19/2017 7:40 PM
5		4/6/2017 8:02 AM
6		4/5/2017 3:10 PM
7		4/3/2017 8:13 AM
8		4/2/2017 2:56 PM
9		3/30/2017 9:39 AM
10		3/22/2017 2:14 PM
11		3/22/2017 11:52 AM
12		3/22/2017 10:33 AM
13		3/21/2017 5:00 PM
14		3/20/2017 1:36 PM
15		3/19/2017 9:59 PM
16		3/19/2017 9:34 PM
17		3/19/2017 2:44 PM
18		3/19/2017 12:31 PM
19		3/18/2017 6:39 PM
20		3/18/2017 1:04 PM
21		3/18/2017 8:44 AM
22		3/17/2017 10:17 PM
23		3/17/2017 11:52 AM
24		3/16/2017 10:55 AM
25		3/15/2017 6:08 AM
26		3/14/2017 11:47 AM
27		3/12/2017 4:44 PM
28		3/10/2017 9:10 PM
29		3/10/2017 8:10 PM
30		3/10/2017 6:26 PM
31		3/10/2017 6:20 PM
32		3/10/2017 7:41 AM
33		3/9/2017 10:35 PM

34	3/9/2017 8:04 PM
35	3/9/2017 2:50 PM
36	3/9/2017 12:22 PM
37	3/9/2017 9:19 AM
38	3/9/2017 9:12 AM
39	3/4/2017 7:16 PM
40	3/2/2017 1:44 AM
41	2/23/2017 12:30 PM
42	2/23/2017 8:57 AM
42	2/23/2017 6.57 AIVI

Q21 Thank you for taking the time to complete this survey! Your responses will be very helpful as we continue with the planning process. If you have any final comments, questions, or concerns to share with the Planning Team, please use the comment box below.

Answered: 15 Skipped: 157

#	Responses	Date
1	Confer Charlotte County Water Impairment Plan via this link:https://www.charlottecountyfl.gov/boards-committees/raab/Site%20Documents/2015_006_CCU_RESTORE.pdf	6/8/2017 8:47 AM
2	Natural disasters are no the only ligitimate risks we face. I think it would be useful and not paranoid to discuss action plans and provide information for the events of EMP attacks, war, nuclear attacks, and terrorist attacks.	5/16/2017 5:01 PM
3	Hold public hearings on why BOS permitted EPA to dump PCBs into residential harbor areas of Fairhaven adjacent to its High School.	5/1/2017 8:16 AM
4	It shoul dbe noted that some of the items that I rated as "not important" to improve is not because I don't think that they are not valuable but that I think it we have done an adequate/good job in those areas already and therefore no improvement is needed.	3/26/2017 4:03 PM
5	A clean and safe drinking water supply for now and in the future should protected.	3/25/2017 9:25 PM
6	Don't go overboard and over reach with this. \$\$\$\$\$ Fairhaven is not a wealthy community.	3/23/2017 3:25 PM
7	Flood insurance requirements mitigation needs to be fixed with FEMA they can raise rates 18% a year with no cap.	3/22/2017 11:52 AM
8	While this deals with natural hazards, Fairhaven Home Coming Day is always a concern for me. It is a large, close - proximity event with mass gathering and potential for not just malicious attack, but also simple human error. It could result in a mass casualty event, but with increased first responder presence and pre-staging an event that could be a tragedy could be mitigated.	3/21/2017 8:41 AM
9	Thank you for the opportunity	3/18/2017 1:04 PM
10	Nothing	3/17/2017 1:11 PM
11	Your welcome !	3/17/2017 11:52 AM
12	While I LOVE the history of the town and I believe landmarks and cultural heritage sites are the most unreplaceable, I believe people are adaptable and social capital is more valuable than financial capital for recovery from disasters.	3/10/2017 6:20 PM
13	I'm concerned the old roger school and its playground and baseball field (which is still used by many) will be destroyed or sold to a business. I'd love it if the historical school was turned into a town museum. It would be nice if the playground was expanded, it is a favored spot amoung neighborhood residents.	3/9/2017 12:28 PM
14	Thank you!	3/4/2017 7:16 PM
15	In order to receive financial aid thru FEMA after a declared disaster, communities need to adopt the following (PETS Act). Fairhaven has been negligent in doing so. Thus losing the opportunity to receive federal government fundings: http://www.akcreunite.org/relief/ https://www.avma.org/KB/Resources/Reference/disaster/Pages/PETS-Act-FAQ.aspx	2/23/2017 8:57 AM

#### FOR IMMEDIATE RELEASE

#### PUBLIC MEETING ON HAZARD MITIGATION PLAN

Residents and other community stakeholders are invited to participate in the Town of Fairhaven's 2<sup>nd</sup> Public Meeting regarding the development of a new Hazard Mitigation Plan. The meeting will take place on June 7, 2017 from 6:30 pm – 8:00 pm at the Town Hall, 40 Center Street, Fairhaven, MA. The plan is essential to the Town's efforts to identify ways to lessen the impacts of natural hazards such as hurricanes, flooding, and severe winter weather. All community members are welcome and encouraged to attend!

During this public meeting, preliminary results of the risk assessment will be shared and the identification of risk reduction goals and strategies will be discussed. Plenty of time will be available to capture feedback and additional input from attendees. Prior to adjourning the meeting, a raffle will be held for a copy of *The Great Hurricane – 1938*, a riveting account of one of the worst storm to strike New England, written by Cherie Burns.

Town residents are also encouraged to participate in the ongoing Public Opinion Survey to share their thoughts and input during the plan development process. The information provided will help the Town to better understand individual and unique hazard concerns in the community and can lead to mitigation activities that should help lessen the impacts of future disasters. Participation in this survey is voluntary and none of the information provided will be attributed to anyone directly.

To participate in the survey, please visit the Town's website at:

http://www.fairhaven-ma.gov/Pages/index

To learn more about the project, please visit the project web page at:

http://www.jamiecaplan.com/projects/fairhaven

If you have any questions or would like to learn about more ways you can participate in the development of the Hazard Mitigation Plan, please contact Bill Roth, Director of Planning & Economic Development, by phone at (508) 979-4082, Ext. 9 or by email at billr@fairhaven-ma.gov.

#### **Public Hearings/Legal Notices**

NOTE: All legal notices are available on the Neighb News website, www.NeighbNews.com, under the "Legal Notices" tab on the top of the main page. Legal ads are also available at http://masspublicnotices.org, search under "Fairhaven Neighborhood News"

**Town of Fairhaven Notice of Public Meeting Hazard Mitigation Plan** 

The Town will hold a Public Meeting on Thursday, nuary 11, 2018, at 6:30 pm at Town Hall. The purpose of this third public meeting will be to present and receive feedback on the Town's final draft Hazard Mitigation Plan. This includes a review of proposed actions to improve emergency preparedness and reduce the impact of natural hazards such as hurricanes, floods, and severe winter storms. All members of the community are encouraged to attend. more information please contact Bill Roth, Director of Planning and Economic Development, at (508) 979-4082 Ext. 9 or billr@fairhaven-ma.gov. To learn more about this project and review draft plan documents, please visit the Town's Hazard Mitigation Planning Committee website at http://fairhaven-ma.gov/pages/FairhavenMA\_Hazard/index. 1/4/18

#### FAIRHAVEN PLANNING **BOARD PUBLIC HEARING**

Notice is hereby given that the Fairhaven Planning Board will conduct a Public Hearing at 6:30 P.M. on January 23, 2018, in the Town Hall, 40 Center Street, Fairhaven. MA.

The purpose of the hearings will be to receive information and public comment on the following applications. 1) **Rezone** — The applicant, *Albert Roderiques* is seeking to rezone his property located at 273 Alden Road, Map 37A, Lot 538, containing 19,050 square feet, from Business District (B) to Single Residence Districts (RA). 2) **Special Permit** for the installation of Small Cell Equipment-V#SC05 — located on Utility Pole #46/10 in the Town right-of-way on Center Street, adjacent to 46 Center Street. The applicant, *Cellco Partnership*, *d/b/a Verizon Wireless*, is requesting a Special Permit, to use the existing 29.5foot tall utility pole. The Small Cell Equipment will be located at a height of 12.5-feet, the meter box will be located at a height of 8-feet, and the Antenna base will be located at a height of 19-feet and will have a top beight of 24 feet. height of 24-feet.

Copies of the applications are on file for public review at the Planning Board Office, Town Hall from 8:30 a.m. to 4:30 p.m., Monday through Friday. For more information or to schedule an appointment to review the application call the Planning Department at (508) 979-4082, Ext. 9.

Wayne Hayward, Chairman of the Planning Board 1/4/18 & 1/11/18

#### **PUBLIC HEARING NOTICE**

The Fairhaven Board of Selectmen, pursuant to Section 3.2 of the Town of Fairhaven Rules and Regulations Governing Aquaculture, will conduct a public hearing at 7:00 p.m. on January 22, 2018 at the Fairhaven Town Hall, 40 Center Street, Fairhaven, MA on the application of Matthew Loo and Thomas Loo, 42 Taber Street, Fairhaven, MA, for an aquaculture license to operate a shell fish farm on approximately 1.82 acres of public water located in the vicinity of Shaw's cove on the Fairhaven-Mattapoisett Town Line, filed on October 25, 2017. The coordinates of the area of operation are:

2017: The coordinates of the area of operation are: 41.628333, -70.844500 41.628222, -70.844472 41.627844; -70.844317 41.627427, -70.843306 A copy of the complete application can be found on the Town's website: www.fairhaven-ma.gov and clicking on "Documents and Contracts'

Fairhaven Board of Selectmen

#### **Support the** Neighb News

It's no secret that newspapers are having a tough time these days. Here at the *Neighb News*, we know you want us to continue publishing. Your support is needed to keep us fiscally sound and healthy. Any small amount will help us stay afloat.

Just clip the coupon and send it with check or money order to Fairhaven Neighborhood News, 166 Dogwood St., Fairhaven, MA 02719.

Ask for a bumper sticker that says "I Support the Neighb News."

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1/4/18

And thank you for reading the little paper with a big voice.

, ,	
Name:	
Address:	
City/State/Zip:	
Email:	
Do you want to receive the paper by email? Y	N

#### From our readers

#### Pantry says "thank you"

This letter of thanks goes out to all the generous people who contributed money and/or non-perishable food to the 14th annual Shepherd's Pantry holiday fundraiser. With a monthly expenditure of around \$6,000.00 used to purchase food that is either running low or out of completely. monetary donations are necessary to keep the pantry running smoothly.

According to Blanche Pepin, the pantry's administrator, hard working and dedicated volunteers handed out thousands of food items to over 6,000 families during this past year. Broken down, that's over 16,000 individuals helped; with 33% of this total going to children and an average of over 95 families that come looking for help each Saturday between the hours of 9 and 11 a.m.

A BIG thank you for this year's success goes to the much needed and appreciated newspaper articles from The Standard-Times, The Fairhaven/ Acushnet Advocate and the Fairhaven Neighborhood News. Also, a BIG thank you to some of the area's businesses, churches, schools and

non-profit groups and organizations that have donated their time and money towards our yearly venture. I'd also like to acknowledge the donors who have visited our web site, shepherdspantry.org, and felt inspired to help our cause.

Another big contributor this year was when both The Greater New Bedford Track Club and Union Running from Fairhaven had agreed, back in August of this year, to take over the responsibility and the hard work to promote and run our annual Turkey Trot road race. This annual Thanksgiving morning event brought in 890 registered runners, a new record. After expenses, over \$20,000 and over 2,500 lbs. of food that was donated, because of the road race, found its way to the Shepherd's Pantry.

Also, another big thank you to the Stop & Shop Bakery Department workers, located in Fairhaven, who hand me outdated bread and pastries on Friday afternoons to be given out the next morning to the needy who frequent the pantry.

And finally, the food bins located at

the Millicent Library, and Stop & Shop Supermarket, both located in Fairhaven, where generous people have dropped off thousands of pounds of non-perishable food this past year, will continue.

If you have any questions about the pantry located at the Long Plain United Methodist Church at 1215 Main Street in Acushnet, please call 508-763-9289.

Sincerely, Gerry Payette Holiday fund raiser coordinator and Executive Director

Get the *Neighb News* by email

Get the *Neighb News* delivered directly to your desktop. Email us at NeighbNews@comcast.net, with your full name, and we will send you your very own copy of the Neighb News in a PDF.

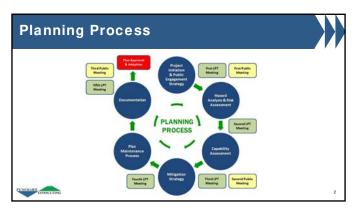
You'll get it bright and early Thursday morning every week without even leaving your house, or stopping on your way to work.

Town of Fairhaven - Local Hazard Mitigation Plan Public Meeting #3 January 11, 2018

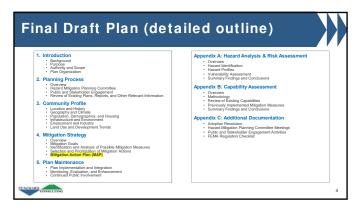
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E-mail							
Phone							
Affiliation	Planning Band	Schurt Mept	Bad of Soldin	Fairhaven Planning			-
Name	Wagne Haward	Tara (Cohla	Bos Frilliam	ISII RAM			

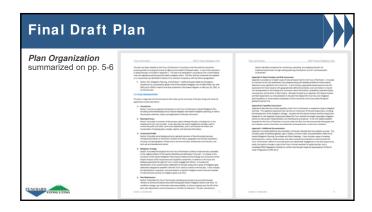
Public Meeting #3 01/11/18

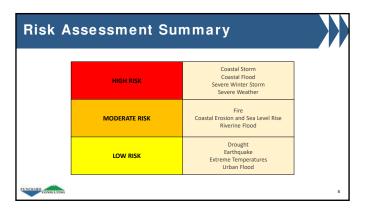


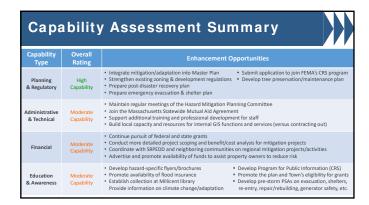






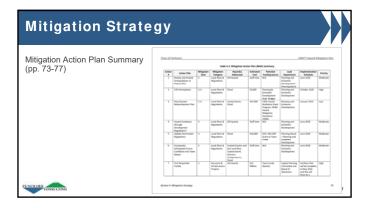


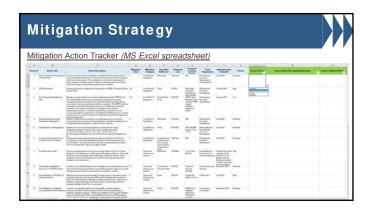


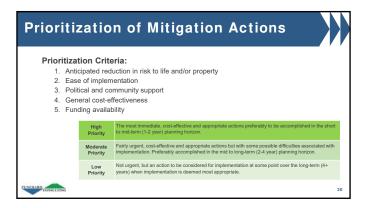












Public Meeting #3 01/11/18

#### **Next Steps**

- YOU: Review + Comment on Draft Plan Documents by <u>January 31st</u>
   Focus special attention on Mitigation Action Plan (pp. 34-72), especially any actions that are assigned to your department or agency
   Please send all questions, comments, or revisions to Bill Roth

  - Feel free to contact Darrin directly at <a href="mailto:darrin@punchardconsulting.com">darrin@punchardconsulting.com</a> or 617-777-2001
- ME: Create Final Plan!

- Update Mitigation Action Plan (funding sources, priorities, etc.)
   Update Risk Assessment with \*new\* climate projections for MA
   Address any additional comments/revisions for local approval of Final Plan
- Final Plan will be completed + submitted to MEMA for review in February

#### **C.3. LOCAL MITIGATION PLAN REVIEW TOOL**

This section includes a copy of a completed FEMA Local Mitigation Plan Review Tool to confirm that the plan meets all requirements of Title 44 Code of Regulations (CFR) 201.6.

#### LOCAL MITIGATION PLAN REVIEW TOOL

Jurisdiction Name & State: Town of Fairhaven, MA

The Local Mitigation Plan Review Tool demonstrates how the Local Mitigation Plan meets the regulation in 44 CFR §201.6 and offers States and FEMA Mitigation Planners an opportunity to provide feedback to the community.

- The <u>Regulation Checklist</u> provides a summary of FEMA's evaluation of whether the Plan has addressed all requirements.
- The <u>Plan Assessment</u> identifies the plan's strengths as well as documents areas for future improvement.
- The Multi-jurisdiction Summary Sheet is an optional worksheet that can be used to document how each jurisdiction met the requirements of the each Element of the Plan (Planning Process; Hazard Identification and Risk Assessment; Mitigation Strategy; Plan Review, Evaluation, and Implementation; and Plan Adoption).

The FEMA Mitigation Planner must reference this *Local Mitigation Plan Review Guide* when completing the *Local Mitigation Plan Review Tool*.

<b>Jurisdiction:</b> Town of Fairhaven	Title of Plan: Town of Fairhave Mitigation Plan	en Hazard	Date of Plan: February 2018 (Adopted June 2018)	
Single or Multi-jurisdiction plan? Single		New Plan or Plan Update? New		
Regional Point of Contact:		Local Point of Contact: Mark Rees		
Title:		Title: Town Administrator		
Agency:		Agency: Town Administrator's Office,		
		Town Hall		
Phone Number:		40 Center St., Fairhaven, MA 02719		
E-Mail:		Phone Number: 508-979-4023 ext.2		
		E-Mail: mrees@fairhaven-ma.gov		

State Reviewer:	Title:	Date:
Jeffrey Zukowski	Hazard Mitigation Planner	4/4/2018

FEMA Reviewer:	Title:	Date:
David Mendelsohn	FEMA Community Planner	4/16/2018
Parker Moore	FEMA Community Planner	6/25/2018
Date Received in FEMA Region I	4/9/2018	
Plan Not Approved		
Plan Approvable Pending Adoption	4/19/2018	
Plan Adopted	6/4/2018	
Plan Approved	6/25/2018	

### SECTION 1: REGULATION CHECKLIST

**INSTRUCTIONS:** The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been 'Met' or 'Not Met.' The 'Required Revisions' summary at the bottom of each Element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is 'Not Met.' Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in this *Plan Review Guide* in Section 4, Regulation Checklist.

1. REGULATION CHECKLIST  Regulation (44 CFR 201.6 Local Mitigation Plans)	Location in Plan (section and/or page number)	Met	Not Met
ELEMENT A. PLANNING PROCESS			
A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))	pp.7-16	Х	
A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))	pp. 10-16	Х	
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))	pp. 10-16	Х	
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))	pp. 16-17	Х	
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))	p. 80	Х	
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))	pp. 78-80	Х	
ELEMENT A: REQUIRED REVISIONS			
ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT	MENT		
B1. Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))	Appendix A (throughout)	Х	

1. REGULATION CHECKLIST	Location in Plan (section and/or		Not
Regulation (44 CFR 201.6 Local Mitigation Plans)	page number)	Met	Me
B2. Does the Plan include information on previous occurrences of	Appendix A (see		
hazard events and on the probability of future hazard events for	applicable sections	Х	
each jurisdiction? (Requirement §201.6(c)(2)(i))	for each profile)		
B3. Is there a description of each identified hazard's impact on the	Appendix A (see		
community as well as an overall summary of the community's	applicable sections	Х	
vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))	for each profile) and		
	pp. A-60-86		
B4. Does the Plan address NFIP insured structures within the	pp. 43, 54, 70 and		
jurisdiction that have been repetitively damaged by floods?	Appendix A, pp. A-	Х	
(Requirement §201.6(c)(2)(ii))	48-49		
ELEMENT B: REQUIRED REVISIONS			
ELEMENT C. MITIGATION STRATEGY			
C1. Does the plan document each jurisdiction's existing authorities,	Appendix B		
policies, programs and resources and its ability to expand on and	(throughout)	Х	
mprove these existing policies and programs? (Requirement			
§201.6(c)(3))			
C2. Does the Plan address each jurisdiction's participation in the	Appendix B		
NFIP and continued compliance with NFIP requirements, as	pp. B-25-27	Х	
appropriate? (Requirement §201.6(c)(3)(ii))			
C3. Does the Plan include goals to reduce/avoid long-term	pp. 29-30, and		
/ulnerabilities to the identified hazards? (Requirement	Appendix A p. A-1	Х	
§201.6(c)(3)(i))	, appendix / t p. / t		
C4. Does the Plan identify and analyze a comprehensive range of	pp. 30-76 and		
specific mitigation actions and projects for each jurisdiction being	Appendix C (in	Х	
considered to reduce the effects of hazards, with emphasis on new	Summary Notes	^	
and existing buildings and infrastructure? (Requirement	from LPT meetings)		
5201.6(c)(3)(ii))	Hom Er i meetings/		
C5. Does the Plan contain an action plan that describes how the	pp. 30-76		
actions identified will be prioritized (including cost benefit review),	ρρ. 30-70	Х	
mplemented, and administered by each jurisdiction? (Requirement		_ ^	
\$201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))	nn 77 70		
C6. Does the Plan describe a process by which local governments	pp. 77-78	\ \ \	
will integrate the requirements of the mitigation plan into other		Х	
planning mechanisms, such as comprehensive or capital			
mprovement plans, when appropriate? (Requirement			
§201.6(c)(4)(ii))			
ELEMENT C. DECLUDED DEVICIONS			
ELEIVIENT C. REQUIRED REVISIONS			
ELEWIENT C. REQUIRED REVISIONS			
ELEMENT C: REQUIRED REVISIONS  ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEME  updates only)	ENTATION (applicable	to plan	
	ENTATION (applicable	to plan	

1. REGULATION CHECKLIST	Location in Plan (section and/or		Not
Regulation (44 CFR 201.6 Local Mitigation Plans)	page number)	Met	Met
D2. Was the plan revised to reflect progress in local mitigation	N/A		
efforts? (Requirement §201.6(d)(3))			
D3. Was the plan revised to reflect changes in priorities?	N/A		
(Requirement §201.6(d)(3))			
ELEMENT D: REQUIRED REVISIONS			
FLENGENT F. DLAN ADODTION			
ELEMENT E. PLAN ADOPTION			
E1. Does the Plan include documentation that the plan has been			
formally adopted by the governing body of the jurisdiction		Χ	
requesting approval? (Requirement §201.6(c)(5))			
E2. For multi-jurisdictional plans, has each jurisdiction requesting			
approval of the plan documented formal plan adoption?			
(Requirement §201.6(c)(5))			
ELEMENT E: REQUIRED REVISIONS			
<b>ELEMENT F. ADDITIONAL STATE REQUIREMENTS (OPTIO</b>	NAL FOR STATE REV	IFWFR	S
ONLY; NOT TO BE COMPLETED BY FEMA)			
F1.			
11.			
F2.			
ELEMENT F: REQUIRED REVISIONS			

### SECTION 2: PLAN ASSESSMENT

#### A. Plan Strengths and Opportunities for Improvement

This section provides a discussion of the strengths of the plan document and identifies areas where these could be improved beyond minimum requirements.

#### **Element A: Planning Process**

- Robust public outreach effort has paid off
- All three adjacent towns were represented on the Fairhaven Hazard Mitigation Planning Committee.
- Good use of survey in the effort to reach more of the public and other stakeholders.

#### **Element B: Hazard Identification and Risk Assessment**

- Well organized and complete hazard analysis and risk assessment.
- Good use of maps, tables and presentation materials, including power point slides.
- In discussing the risk of dam failure in the planning area, it is good to see mentioned that the analysis included both "within" town and "immediately upstream" from town.
- A very detailed, but also understandable prioritization process.

#### **Element C: Mitigation Strategy**

- The Mitigation Actions are broad and good for a first time plan. However they are overly reliant on action statements that: "study", "investigate", "identify", "research", and "develop" actions. Subsequent updates are expected to identify completed actions that will succeed in mitigating the risks.
- With the above in mind, it is good to see that this Hazard Mitigation Plan has been identified as a "living document" that will be "updated as needed."

#### **B.** Resources for Implementing Your Approved Plan

#### State Sources of Technical Assistance & Funding:

The Commonwealth of Massachusetts State Hazard Mitigation Officer (SHMO) and State Mitigation Planner(s) can provide guidance regarding grants, technical assistance, available publications, and training opportunities. Contact the Massachusetts Emergency Management Agency (MEMA) <a href="http://www.mass.gov/eopss/agencies/mema/">http://www.mass.gov/eopss/agencies/mema/</a>, <a href="http://www.mass.gov/eopss/agencies/mema/">Department of Conservation and Recreation DCR</a> and, <a href="http://www.mass.gov/eopss/agencies/mema/resources/mitigation/">MEMA Hazard Mitigation Grants and Hazard Mitigation Success Stories at <a href="http://www.mass.gov/eopss/agencies/mema/resources/mitigation/">http://www.mass.gov/eopss/agencies/mema/resources/mitigation/</a> and Massachusetts Department of Environmental Protection <a href="http://www.mass.gov/eea/agencies/massdep/">http://www.mass.gov/eea/agencies/massdep/</a> Refer to the Massachusetts State Hazard Mitigation Plan Update 2013 (Section 17.6, p. 17-54 or p. 544) which identifies a number of potential funding sources for various mitigation activities. Communities are encouraged to work with the State to maximize use of every 406 Hazard Mitigation opportunity when available during federally declared disasters. A better alignment and increasing the effectiveness of 406 and 404 Mitigation funds, greatly benefit the community in the long run.

#### Federal and Non-Profit Sources of Technical Assistance & Funding:

#### Federal Grants Resource Center and Grants.gov

Federal agencies may support integrated planning efforts such as rural development, sustainable communities and smart growth, climate change and adaptation, historic preservation, risk analyses, wildfire mitigation, conservation, Federal Highways pilot projects, etc. The Federal Grants Resource Center is located on the website of the national non-profit Reconnecting America, and provides a compilation of key funding sources for projects in your community. Examples are HUD, DOT/FHWA, EPA, and Sustainable Communities grant programs. For more information visit: http://reconnectingamerica.org/resource-center/federal-grant-opportunities/ or www.grants.gov.

#### GrantWatch.com

The website posts current foundation, local, state, and federal grants on one website. When seeking funding opportunities for mitigation, consider a variety of sources for grants, guidance, and partnerships, including academic institutions, non-profits, community organizations, and businesses, in addition to governmental agencies. Examples are The Partnership for Resilient Communities, the Institute for Sustainable Communities, the Rockefeller Foundation *Resilience*, The Nature Conservancy, The Kresge Climate-Resilient Initiative, the Threshold Foundation's *Thriving Resilient Communities* funding, the RAND Corporation, and ICLEI *Local Governments for Sustainability*. http://www.grantwatch.com

#### FEMA Hazard Mitigation Assistance

FEMA's Hazard Mitigation Assistance provides funding for projects under the Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation (PDM), and Flood Mitigation Assistance (FMA). Individuals and businesses are not eligible to apply for HMA funds; however, an eligible applicant or sub-applicant may apply on their behalf. <a href="http://www.fema.gov/hazard-mitigation-assistance">http://www.fema.gov/hazard-mitigation-assistance</a>

#### **Recommended FEMA Publications & Websites:**

#### Hazard Mitigation Planning Online Webliography, FEMA Region I

This compilation of government and private online sites is a useful source of information for developing and implementing hazard mitigation programs and plans in New England.

http://www.fema.gov/about-region-i/about-region-i/hazard-mitigation-planning-webliography

#### **FEMA Library**

FEMA publications can be downloaded for free from its Library website. This repository contains a wealth of information that can be especially useful in public information and outreach programs. Search by keyword to find documents related to a particular topic. Examples include building and construction techniques, the NFIP, integrating historic preservation and cultural resource protection with mitigation, and helpful fact sheets.

http://www.fema.gov/library

#### FEMA RiskMAP

Technical assistance is available through RiskMAP to assist communities in identifying, selecting, and implementing activities to support mitigation planning and risk reduction. Attend any RiskMAP discovery meetings that may be scheduled in the state (or neighboring communities with shared watersheds boundaries) in the future.

https://www.fema.gov/risk-mapping-assessment-and-planning-risk-map

**FEMA Climate Change Website** 

Provides resources that address climate change.

http://www.fema.gov/climate-change

#### Other Recommended Publications & Websites:

#### U.S. Climate Resilience Toolkit

Scientific tools, information, and expertise are provided to help manage climate-related risks and improve resilience to extreme events. This aid assists planning through links to a wide-variety of webtools covering topics, including coastal flood risk, ecosystem vulnerability, and water resources. Experts can be located in the NOAA, USDA, and Department of Interior.

https://toolkit.climate.gov

#### EPA's Resilience and Adaptation in New England (RAINE) Climate Change Program

A collection of vulnerability, resilience and adaptation reports, plans, and webpages at the state, regional, and community levels. Communities can use the RAINE database to learn from nearby communities about building resiliency and adapting to climate change.

http://www.epa.gov/raine

#### **USDA Rural Community Development Grant Programs**

USDA operates over fifty financial assistance programs for a variety of rural applications.

http://www.rd.usda.gov/programs-services

#### **NOAA Sea Grant**

Sea Grant's mission is to provide integrated research, communication, education, extension and legal programs to coastal communities that lead to the responsible use of the nation's ocean, coastal and Great Lakes resources through informed personal, policy and management decisions. Examples of the resources available help communities plan, adapt, and recovery are the *Community Resilience Map of Projects* and the *National Sea Grant Resilience Toolkit*, both located on this website.

http://seagrant.noaa.gov

#### USDA, Natural Resources Conservation Service (NRCS)

Provides conservation technical assistance, financial assistance, and conservation innovation grants. http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/

#### The Rockefeller Foundation Resilience

Helping cities, organizations, and communities better prepare for, respond to, and transform from disruption.

https://www.rockefellerfoundation.org/our-work/topics/resilience/