Marlborough

Marlborough is a rural community in Hartford County covering a land area of 23.3 square miles and with an estimated population of 6,410. Elevation ranges from about 160 to 800 feet. The Town is located in the Salmon River Watershed. The Blackledge River, Dickinson Creek, and Fawn and Lyman Brooks are the principal watercourses in Marlborough. The 83 acre spring fed Lake Terramuggus is located in the center of Town. State routes 2 and 66 intersect in Town. As a chiefly residential community, local businesses are the predominant industry. According to the Town’s Plan of Conservation and Development, one-third of Marlborough’s land area is protected forest land. Continued protection of the Town’s natural resources is a focus of the Town’s Plan.

Challenges

Storm damage to trees resulting in road blockages, power outages and debris accumulation is a concern for the town. Because the Town has large tracts of forested land, wildfire is another concern.

CRCOG used FEMA’s Hazus-MH model to analyze the risks that the Town of Marlborough might face from a hurricane as powerful as the 1938 hurricane. The model estimates that economic losses to the town including residential and commercial damage and business interruptions due to such a Category 3 hurricane would be nearly $30 million. The impacts of such a storm are summarized below:

<table>
<thead>
<tr>
<th>Estimated Damages from a 1938 Strength Hurricane</th>
<th>Households Displaced</th>
<th>People Needing Shelter</th>
<th>Buildings at Least Moderately Damaged</th>
<th>Buildings Completely Damaged</th>
<th>Total Estimated Economic Losses</th>
<th>Total Residential Building Losses</th>
<th>Total Commercial, Industrial &amp; Other Building &amp; Content Losses</th>
<th>Total Business Interruption Losses</th>
<th>Total Debris Generated</th>
<th>Truckloads (at 25 tons/truck) of building debris</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>0</td>
<td>$29,657,000</td>
<td>$24,955,000</td>
<td>$2,213,000</td>
<td>$2,489,000</td>
<td>45,503 tons</td>
<td>90</td>
</tr>
</tbody>
</table>

According to information from the Connecticut Department of Emergency Management and Homeland Security, the three federally declared natural disasters of 2011 resulted in total expenses to the municipality of nearly $160,000. These expenses include debris and snow removal, emergency protective measures and repairs to damaged infrastructure and buildings but do not include damages experienced by private citizens and businesses.

<table>
<thead>
<tr>
<th>2011 Disasters Damage Amounts Eligible for 75% Reimbursement Under FEMA Public Assistance Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant: Municipality</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Town of Marlborough</td>
</tr>
</tbody>
</table>
The National Flood Insurance Program has paid eight property damage claims in Marlborough totaling over $46,647 to-date. The NFIP paid a total of $6,400 on two claims on one repetitive loss property to-date. No new construction or demolition has occurred in the floodplains since the adoption of the 2008 Plan. Although flooding is not as large a concern in Marlborough as in some other communities, a significant flood event could result in much damage. CRCOG used FEMA’s Hazus-MH model to analyze the risks that the Town of Marlborough might face from flooding. The model estimates that economic losses to the town including residential and commercial damage and business interruptions due to a flood having a 1% chance of occurring any given year (the 100-year flood) would be over $5 million. The impacts of such a flood are summarized below:

<table>
<thead>
<tr>
<th>Estimated Damages from 100-Year Flood</th>
<th>Households Displaced</th>
<th>57</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>People Needing Shelter</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Buildings at Least Moderately Damaged</td>
<td>2</td>
</tr>
<tr>
<td>Total Estimated Economic Losses</td>
<td>$5,170,000</td>
<td></td>
</tr>
<tr>
<td>Total Residential Building &amp; Content Losses</td>
<td>$3,450,000</td>
<td></td>
</tr>
<tr>
<td>Total Commercial, Industrial &amp; Other Building &amp; Content Losses</td>
<td>$1,720,000</td>
<td></td>
</tr>
<tr>
<td>Total Business Interruption Losses</td>
<td>$0.00</td>
<td></td>
</tr>
</tbody>
</table>

**Goals, Objectives and Strategies**

**GOAL: ENSURE CAPACITY OF TOWN TO REMOVE SNOW**

**Objective 1:**
Maintain an adequate fleet of trucks and equipment, and staff.

**Strategic Actions:**

1.1 Fund and perform routine maintenance on and replacement of public works fleet.
   
   **Lead:** Public Works, Administration
   **Priority:** High
   **Status:** Purchased three dump trucks through bonding during last five years. It is recommended this strategic action be retained in Plan Update to address needs for additional equipment and vehicles. Acquisitions to be made according to the Vehicle Replacement Plan and subject to available funding.
   **Potential Funding Sources:** Surplus funding, sale of existing equipment, bonding, lease purchase, military surplus
   **Timeframe:** 2014-2019

1.2 Fund adequate staff and private labor.
   
   **Lead:** Public Works, Administration
   **Priority:** Medium
   **Status:** Maintained staffing levels over past five years during economic downturn. It is recommended this strategic action be retained in Plan Update.
   **Potential Funding Sources:** General Budget
   **Timeframe:** 2014-2019: Annually through budget process
GOAL: REDUCE POWER OUTAGES AND ENSURE SAFETY OF PROPERTY AND LIFE AS A RESULT OF NATURAL HAZARDS
(Note: This goal was stated as “Reduce power outages as a result of natural hazards” in the 2008 Plan.)

Objective 1:
Establish effective tree maintenance program for town right-of-way.

Strategic Actions:

1.1 Fund and institute routine maintenance of trees in town right-of-way either through town staff or private contractor.
   Lead: Public Works, Administration
   Priority: Medium
   Status: Doubled General Budget for this effort from $5,000 to $10,000. It is recommended this strategic action be retained in Plan Update.
   Potential Funding Sources: General Budget

1.2 Investigate opportunities for cost savings through sharing tree maintenance services with neighboring communities through CRCOG service sharing initiatives or otherwise.
   Lead: Public Works, Administration
   Priority: Medium
   Status: Deferred. It is recommended this strategic action be retained in Plan Update. Options will be explored within next five years.
   Potential Funding Sources: General Budget
   Timeframe: 2014-2019

1.3 Monitor utility right-of-way maintenance.
   Lead: Public Works, Public Safety
   Priority: Medium
   Status: Developed better working relationship with CL&P over past five years through CL&P Liaison Program. It is recommended this strategic action be retained in Plan Update.
   Potential Funding Sources: General Budget

Objective 2:
Ensure access to power for residents in emergency situations.

Strategic Actions:

2.1 Pursue opportunities, through CREPC and otherwise, to obtain a generator for the Town Hall Emergency Operations Center.
   Lead: Emergency Management
   Priority: High
   Status: In the 2008 Plan, this action was identified as “Pursue opportunities, through CREPC and otherwise, to obtain generators for shelters.” That activity is
2.2 Educate residents on emergency preparedness and services available in the event of an emergency through town website, print media and other means.

Lead: Emergency Management, Public Safety
Priority: Medium
Status: Town has had several outreach efforts over past five years including seasonal and pre-event website and Everbridge updates; annual notices to sewer users regarding need to pump out grinder sewers; post event outreach to grinder pump users; distribution of emergency preparation booklets through school children and inclusion of a notice about the CT Alert system and Get Ready Capitol Region website in the July 2012 tax bill mailing. It is recommended this strategic action be retained in Plan Update.

Potential Funding Sources: General Budget

THE FOLLOWING ADDITIONAL GOAL, OBJECTIVES AND MITIGATION ACTIONS ARE PROPOSED FOR THE 2014-2019 PLAN UPDATE:

GOAL: EXPAND CAPACITY OF THE COMMUNITY TO DEAL WITH NATURAL DISASTERS

Objective 1:
Develop programs to educate and involve residents

Strategic Action:

1.1 Establish a local CERT team.
Lead: Emergency Management, Administration
Priority: Medium
Potential Funding Sources: General Budget / EMPG Grant
Timeframe: 2014-2015: Within one to two years

1.2 Expand citizen volunteers available to manage the town shelter
Lead: Emergency Management / CERT Team / Administration
Priority: Low
Potential Funding Sources: General Budget
1.3 Expand citizen registration in Marlborough Alerts/Everbridge Program
Lead: Emergency Management, Administration
Priority: High
Potential Funding Sources: General Budget

Objective 2:
Undertake studies and analyses to assess risks.

Strategic Action:

2.1 Prepare a forest fire suppression study.
Lead: Planning & Development, Marlborough Volunteer Fire Department, Public Works
Priority: Low
Potential Funding Sources: Grants and General Budget
Timeframe: 2014-2019
Map 42: Population Density, Dams and Flood Zones
Map 43: Marlborough Flood Plains, Repetitive Loss Areas, Dams and Important Facilities