East Windsor

East Windsor has a population of about 11,400, and a land area of 26.3 square miles. Daytime population is estimated to increase to approximately 13,250 due to people entering the town for employment purposes. Population density is approximately 412 persons per square mile, however 60 percent of the residents are concentrated in the Warehouse Point area of town in the northwest section and 40 percent are located principally in the Broad Brook area in the eastern-central section of town.

Situated on the east side of the Connecticut River, the town lies at an elevation of about 160 feet. The eastern portion of town is within the Scantic River Watershed, while the western portion lies in the Connecticut Main Stem basin. Both the Connecticut and Scantic Rivers run through East Windsor, along with several tributaries including Broad, Chestnut, Ketch, Namerick and Spring Glen Brooks.

Interstate 91 crosses the northwest corner of East Windsor. State Route 5 is a major north-south thoroughfare, while State Routes 140 and 191 provide east-west access. Principal industries include: agriculture, support system facilities, and manufacture of small tools, paper boxes, electronics, aluminum by-products, farm implements and fertilizers.

The form of government in East Windsor is Selectmen, Town Meeting, Board of Finance, and a five person Board of Selectmen. The First Selectman is the Chief Executive Officer, Chairman of the Board of Selectmen and a full-time official of the town.

Law enforcement is provided by a full-time paid force of 24 regular officers including a Chief, a Deputy Chief, a Lieutenant, and five sergeants. In addition, there are five dispatchers, an Administrative Assistant, a Records Manager and a part-time Records Clerk.

Fire service is provided by two volunteer fire departments that are partially funded by the town. They are the Warehouse Point Volunteer Fire Department Inc. with 50 firefighters, under the command of an appointed chief, and six vehicles and one boat; the Broad Brook Volunteer Fire Department Inc. with 54 firefighters and six vehicles. All vehicles are radio equipped and on the fire frequency and both fire stations have auxiliary generating equipment for emergency power.

For emergency medical response the Town of East Windsor contracts the East Windsor Ambulance Association. The East Windsor Ambulance Association is licensed to operate five ambulances and three paramedic intercept vehicles. Two of their ambulances are staffed at the paramedic level 24 hours a day, 7 days a week.

The Emergency Management Agency has a part-time director and substantial equipment for use in disaster situations. There is a volunteer staff made up of 30 members, six of which also serve as the Advisory Council.

Challenges

The Town of East Windsor is vulnerable to many types of disaster including hurricane effects, severe wind and ice storms, electrical storms, blizzards, floods, power outages, forest and wild land fires,
chemical and other hazardous materials incidents/accidents, explosions, air disasters and transportation accidents. Tornadoes, earthquakes, public demonstrations, civil disturbances and enemy attack must also be considered as potential disaster possibilities. Motor transportation accidents involving chemicals, radioactive materials, flammable substances and other dangerous materials must also be considered since Interstate 91, U.S. Route 5 and State Route 140 pass through the town. The town is vulnerable to possible aircraft accidents on landing and take-off in view of the close proximity of Bradley International Airport to the community.

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 and other local agencies of nearly $450,000. 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>Applicant: Town &amp; Other Agencies (i.e., Fire Districts, Schools, and Private Non-Profit Agencies)</th>
<th>100% of Amount Eligible for 75% Reimbursement</th>
<th>Total Damages Eligible for Public Assistance Due to 2011 Disasters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town of East Windsor</td>
<td>$36,736.12</td>
<td>$118,773.41</td>
</tr>
<tr>
<td>East Windsor Other</td>
<td>$1,874.34</td>
<td>$8,855.44</td>
</tr>
<tr>
<td>East Windsor Total</td>
<td>$38,610.46</td>
<td>$118,773.41</td>
</tr>
</tbody>
</table>

Flooding is a concern for East Windsor and the Town has taken steps to reduce its vulnerability to flooding. Since the adoption of the 2008 Plan, no new structures have been approved in the special flood hazard zone and a residential structure in the floodplain on North Water Street was recently removed through a demolition order. The National Flood Insurance Program paid 23 property damage claims in East Windsor totaling $281,502 to date. East Windsor has not had any Repetitive Loss Property claims filed to-date. A significant flood event could result in much damage. CRCOG used FEMA’s Hazus-MH model to analyze the risks that the Town of East Windsor 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 nearly $18 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>People Needing Shelter</th>
<th>Buildings at Least Moderately Damaged</th>
<th>Total Estimated Economic Losses</th>
<th>Total Residential Building &amp; Content Losses</th>
<th>Total Commercial, Industrial &amp; Other Building &amp; Content Losses</th>
<th>Total Business Interruption Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>164</td>
<td>346</td>
<td>26</td>
<td>$17,970,000</td>
<td>$13,370,000</td>
<td>$4,590,000</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

CRCOG also used FEMA’s Hazus-MH model to analyze the risks that the Town of East Windsor 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 over $52 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>271</th>
</tr>
</thead>
<tbody>
<tr>
<td>People Needing Shelter</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>Buildings at Least Moderately Damaged</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Buildings Completely Damaged</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Total Estimated Economic Losses</td>
<td>$52,460,000</td>
<td></td>
</tr>
<tr>
<td>Total Residential Building Losses</td>
<td>$35,830,000</td>
<td></td>
</tr>
<tr>
<td>Total Commercial, Industrial &amp; Other Building Losses</td>
<td>$10,250,000</td>
<td></td>
</tr>
<tr>
<td>Total Business Interruption Losses</td>
<td>$6,380,000</td>
<td></td>
</tr>
<tr>
<td>Total Debris Generated</td>
<td>36,294 tons</td>
<td></td>
</tr>
<tr>
<td>Truckloads (at 25 tons/truck) of building debris</td>
<td>218</td>
<td></td>
</tr>
</tbody>
</table>

Shelter capacity in the event of a major disaster is a concern for the Town. Risk Assessment flood model data suggests that in the event of a 10-Year flood the Town of East Windsor will have emergency shelter needs for approximately 230 people. In the event of a 100-Year flood the Town will need to shelter approximately 350 people. In the event of a 500-Year flood the Town will need to shelter approximately 450 people.

The public fallout shelter in East Windsor is limited to 13 in Category 2 spaces in the Broad Brook School on Rye Street. In addition, the survey of Home Fallout Shelter capability made by the Federal Government revealed 6,457 spaces in Category 1 that could be improved to equal the requirement for public shelter and 399 spaces in Category 2 that are equal to the standard for public shelter. In all cases a space is considered to be 10 square feet per person. The small amount of approved Public Fallout Shelters existing in the town would indicate the necessity for an effective evacuation plan to move residents to less vulnerable areas.

The existence of nuclear weapons creates the potential for a nuclear accident/incident or enemy/terrorist attack. In a nuclear attack situation, East Windsor is considered to be at “blast risk” in accordance with the criteria outlined in the Federal Emergency Management Agency (FEMA) document NAPB-90 (Nuclear Attack Planning Base-1990). Public fallout shelter capacity in East Windsor is limited to 13 spaces in Category 2.

Goals, Objectives and Strategies

**GOAL: ENSURE SAFETY OF RESIDENTS AND PROPERTIES DURING PROLONGED POWER OUTAGES CAUSED BY WINTER STORMS, HURRICANES (HIGH WINDS), OTHER NATURAL DISASTERS, AND MANMADE DISASTERS SUCH AS TERRORISM OR ACCIDENTS.**

(Note: this is a new goal incorporating proposals included in the 2008 plan to maintain special needs population lists, train staff on the Reverse-911 system and use town media for public outreach, as well as proposing new initiatives to strengthen shelter capabilities and ensure backup power at critical facilities.)
Objective 1:
Ensure reliable alternative power sources at key government buildings.

Lead: Emergency Management  
Priority: High  
Current Status: In progress

Strategic Action:

1.1 Obtain funding through grant opportunities and Town appropriation to place new gen-sets in High School, Town Garage (replace), Scout Hall and Broad Brook Middle School.
Lead: Emergency Management and First Selectmen’s Office  
Priority: High  
Potential Funding Source: Grants, local revenue  
Timeframe: Seek funding in 2014; completion is anticipated by 2015.

Objective 2:
Identify special needs individuals and establish means of communicating with the public.

Lead: Emergency Management, Police and Human Services  
Priority: High  
Status: In progress

Strategic Actions:

2.1 Continue to maintain special needs population lists.
Lead: Fire and Police, & Human Services  
Priority: High  
Status: In progress; this is an established practice.  
Potential Funding Source: local revenue  
Timeframe: Annual updates are anticipated throughout 2014-2019

2.2 Familiarize town staff with Reverse-911 as system implementation begins.
Lead: Emergency Management, Police, Fire  
Priority: Medium  
Status: In progress  
Potential Funding Source: local revenue  
Timeframe: 2014-2019

2.3 Use town media, including newsletter, website and other means to educate residents on personal planning for emergencies.
Lead: Emergency Management and First Selectmen’s Office  
Priority: Medium  
Status: In progress; this is an established practice.  
Potential Funding Source: local revenue  
Timeframe: Annual updates are anticipated throughout 2014-2019
Objective 3:
Maintain existing generator equipment.

Lead: Emergency Management
Priority: High
Status: Completed

Strategic Action:

3.1 Obtain service contracts and maintain gen-sets at Police Department, Town Garage, Town Hall, Broad Book Fire, and the Prospect Hill Antenna site.
Lead: Emergency Management and First Selectmen’s Office
Priority: High
Status: In progress. It is anticipated contracts will be funded through annual budget process
Potential Funding Source: local revenue
Timeframe: 2014-2019

Objective 4:
Establish the East Windsor High School as a fully functional emergency shelter.

Lead: Emergency Management
Priority: High
Status: In Progress

Strategic Actions:

4.1 Maintain commitment from electrical contractor to supply 60 kW generator in times of mass power outage.
Lead: Emergency Management and First Selectmen’s Office
Priority: High
Status: In progress
Potential Funding Source: local revenue
Timeframe: To be established in 2014

4.2 Training and continue to train shelter staff associated with Emergency Management.
Lead: Emergency Management
Priority: Medium
Status: In progress
Potential Funding Source: local revenue
Timeframe: 2014-2019: to be undertaken annually
4.3 Recruit more volunteers for shelter staff.
   Lead: Emergency Management
   Priority: Medium
   Status: In progress
   Potential Funding Source: local revenue
   Timeframe: 2014-2019: to be undertaken periodically

GOAL: REDUCE THE LOSS OF LIFE AND ECONOMIC CONSEQUENCES FROM WINTER STORMS.

Objective 1:
Improve the ability to clear roads by increasing public works staff.

   Lead: Public Works
   Priority: High
   Status: In progress

Objective 2: Maintain equipment and supplies for treating roads.

   Lead: Public Works
   Priority: High
   Status: In progress

Strategic Action:

2.1 Maintain adequate material in newly constructed salt shed.
   Lead: Public Works
   Priority: Medium
   Status: In progress
   Potential Funding Source: local revenue
   Timeframe: 2014-2019: funding to be sought annually through budget process

Objective 3:
Reduce the amount of debris through preventative tree maintenance.

   Lead: Public Works
   Priority: High
   Status: In progress
Strategic Actions:

3.1 Continue regular tree maintenance, including documentation and notification of issues in CL&P utility right-of-way.
   Lead: Public Works
   Priority: High
   Status: In progress; this is an established practice.
   Potential Funding Source: local revenue
   Timeframe: 2014-2019: funding to be sought annually through budget process

3.2 Continue to use private contractors for emergency debris removal.
   Lead: Public Works and First Selectmen’s Office
   Priority: Medium
   Status: In progress; this is an established practice.
   Potential Funding Source: local revenue
   Timeframe: 2014-2019: funding to be sought annually through budget process

GOAL: REDUCE LOSS OF LIFE AND PROPERTY AND ECONOMIC CONSEQUENCES OF HIGH WIND EVENTS

Objective 1:
Reduce damages to municipal buildings through regular maintenance.

   Lead: Public Works
   Priority: High
   Status: In progress

Strategic Actions:

1.1 Devise and implement a regular building inspection and maintenance program.
   Lead: Public Works and Building Department
   Priority: Medium
   Status: In progress. Program will continue to be implemented on a sustained basis.
   Potential Funding Source: local revenue
   Timeframe: 2014-2019

Objective 2:
Improve ability of emergency responders to prepare and respond to wind events.

   Lead: Police, Fire, EMS, and Emergency Management
   Priority: High
   Status: In progress
Objective 3:
Reduce debris through preventative tree maintenance.

  Lead: Public Works
  Priority: High
  Status: In progress

Strategic Actions:

3.1 Continue regular tree maintenance, including documentation and notification of issues in CL&P utility right-of-way.
  Lead: Public Works
  Priority: High
  Status: In progress; this is an established practice.
  Potential Funding Source: local revenue, utility
  Timeframe: 2014-2019: funding to be sought annually through budget process

3.2 Continue to use private contractors for emergency debris removal.
  Lead: Public Works and First Selectmen’s Office
  Priority: Medium
  Status: In progress; this is an established practice.
  Potential Funding Source: local revenue
  Timeframe: 2014-2019: funding to be sought annually through budget process

GOAL: REDUCE LOSS OF LIFE AND PROPERTY AND ECONOMIC CONSEQUENCES FROM FLOODING

Objective 1:
Reduce the likelihood of flooding by improving existing natural and artificial drainage systems.

  Lead: Public Works
  Priority: High
  Status: In progress

Strategic Actions:

1.1 Conduct study of dam on Main Street near Depot Street intersection, using previously awarded funds.
  Lead: Public Works, Engineering
  Priority: High
  Status: In progress
  Potential Funding Source: local revenue
  Timeframe: To be completed 2013-2014
1.2 Implement recommendations from the above study.
Lead: Public Works, Engineering, Administration
Priority: Medium
Status: Deferred while funding is sought; grant funding through State sought in fall 2013. To be undertaken upon completion of the study and availability of funding
Potential Funding Source: local revenue; grants
Timeframe: 2014-2019

1.3 Implement recommendations of Natural Resources Conservation Service, including installation of a detention basin in Windsorville Road/East Road area to reduce road closures and washouts.
Lead: Public Works, Engineering, Administration
Priority: Medium
Status: Deferred while funding is sought. Efforts to develop a work plan and seek funding through annual budget process will be undertaken during the 2014-2019 planning period
Potential Funding Source: local revenue
Timeframe: 2014-2019

1.4 Work with property owners, contractors and the DEEP to regularly remove beaver dams causing flooding problems.
Lead: Public Works, Inland Wetlands
Priority: Medium
Status: In Progress; this is an established, long term and sustained effort which is undertaken on an as needed basis.
Potential Funding Source: local revenue
Timeframe: 2014-2019

1.5 Investigate and consider purchasing residential properties located in floodplains, as they come up for sale.
Lead: Emergency Management
Priority: Low
Status: Not a viable option at this time because the Town lacks the necessary capital.
Potential Funding Source: local revenue
Timeframe: Suspended for the duration of the 2014-2019 planning period; may be considered in the future if circumstances warrant.

1.6 Consider replacing East Road and Melrose Road bridges.
Lead: Emergency Management, Planning
Priority: Low
Status: East Road culvert work completed 2009-2010. Melrose Road Bridge is not considered a viable option at this time because the Town lacks the necessary capital.
Objective 2:
Reduce debris through preventative tree maintenance.

Lead: Public Works
Priority: High
Status: In progress

Strategic Actions:

2.1 Continue regular tree maintenance, including documentation and notification of issues in CL&P utility right-of-way.
Lead: Public Works
Priority: High
Status: In Progress; this is an established practice.
Potential Funding Source: local revenue, utility
Timeframe: 2014-2019: funding to be sought annually through budget process

2.2 Continue to use private contractors for emergency debris removal.
Lead: Public Works and First Selectmen’s Office
Priority: Medium
Status: In Progress; this is an established practice.
Potential Funding Source: local revenue
Timeframe: 2014-2019: funding to be sought annually through budget process
Map 24: East Windsor Population Density, Dams and Flood Zones
Map 25: East Windsor Flood Plains, Repetitive Loss Areas, Dams and Important Facilities