# Meeting Notes

## Meeting
Yates County Hazard Mitigation Plan (HMP) Risk Assessment Review Meeting

## Date
May 23, 2018

## Time
2:00 – 4:00 p.m.

## Location
Yates County Office Building, 417 Liberty Street, Penn Yan, New York

## Attendees
- Doug Paddock, Chair, Yates County Legislature
- Brian Winslow, Director, Yates County Emergency Services
- Diane Caves, Deputy Director, Yates County Emergency Services
- Chris Warriner, EMS Coordinator, Yates County Emergency Services
- Bob Brechko, Commissioner, Yates County Board of Elections
- Joseph W. Reed, Building Maintenance Supervisor, Yates County Building & Grounds Department
- Jessica Bacher, President and Chief Executive Officer (CEO), Yates County Chamber
- Amy Miller, Commissioner, Yates County Department of Social Services
- David Hartman, Superintendent, Yates County Highway Department
- Doreen Jensen, Yates County Industrial Development Agency (IDA)/ Finger Lakes Economic Development Center (FLEDC)
- Tim Groth, Information Technology (IT) Director, Yates County IT Department
- Rebecca Bonsignore, Aging Services Manager, ProAction Yates Office for Aging
- Kerry Brennan, Yates County Personnel Office
- Deborah A. Minor, Public Health Director, Yates County Public Health
- Howard R. Davis, Jr., Undersheriff, Yates County Sheriff’s Office
- Sandra Smith, Chief Dispatcher, Yates County Sheriff’s Office
- Colby Petersen, District Technician, Yates County Soil & Water; and Councilman, Town of Torrey
- Carrie Ahearn, Yates County Veteran Service
- Steve Wheeler, Highway Superintendent, Town of Barrington
- Jeff Mann, Highway Superintendent, Town of Benton
- William H. Hall, Mayor, Village of Dresden
- Andy Simmons, Fire Inspector and Building and Zoning Officer, Village of Dundee
- Margaret Dunn, Supervisor, Town of Italy
- Steve Faulkner, Highway Superintendent, Town of Italy
- Patrick Killen, Supervisor, Town of Jerusalem
- Robert Martin, Highway Superintendent, Town of Jerusalem
- Leslie Church, Supervisor, Town of Milo
- Lance Yonge, Highway Superintendent, Town of Milo
- Leigh MacKerchar, Mayor, Village of Penn Yan
- Bruce Lyon, Code Enforcement Officer, Village of Penn Yan
Leonard Lisenbee, Supervisor, Town of Potter
Art Parsons, Highway Superintendent, Town of Potter
Fred Shoemaker, Councilman, Town of Starkey
Jim Chambers, Town of Torrey
Arlene Wilson, Executive Director, Cornell Cooperative Extension Yates County
John Messer, Director of Facilities, Keuka College
Brandy Parsons, Keuka College
James Cunningham, Campus Safety, Keuka College
Warren Kinsey, Safety Committee, Penn Yan Central School District
Lina Brennan, Site Administrator, Soldiers and Sailors Memorial Hospital
Patrick Byrne, New York State Department of Health Office of Health Emergency Preparedness
Timothy Alimossy, New York State Department of Transportation (NYS DOT) Region 6
Corrina Cavallo, Supervisor, Mitigation Planning, New York State Division of Homeland Security and Emergency Services (NYS DHSES) – via telephone
Kevin Clapp, Planning Manager, Mitigation Programs, NYS DHSES – via telephone
Bill Correa, New York State Office of Emergency Management (NYSOEM) Region V Finger Lakes
Corey Zydanowicz, New York State Office of Fire Prevention and Control
Deb Trickey, EMS Coordinator, Ontario County Emergency Management Office
Bill Kennedy, Coordinator, Schuyler County Emergency Management Office
Paul Hoole, Federal Emergency Management Agency (FEMA) Region II – via telephone
Tony Subbio, Project Manager, Tetra Tech

Purpose
The purpose of the Risk Assessment Review Meeting was to review the results of the updated risk assessment analysis performed by Tetra Tech, collect feedback on the analysis, and identify problem areas or issues for each of the hazards identified.

Discussion Points
This section summarizes each discussion point addressed during the meeting.

Review Risk Assessment
Feedback on the analysis of each hazard is provided below.

- Drought
  - No feedback was provided. Attendees were not particularly concerned with this hazard.
Epidemic
- This past year’s flu vaccine was not a good match for the predominant strains.
- Attendees were concerned about a Lyme Disease outbreak.
- Transmission of Bird Flu among the bird population is always an issue. The Yates County DOH watches neighboring states’ reports of disease outbreak. The County has biohazard protocols to reduce transmission.

Extreme Temperature
- No feedback was provided. Attendees were not particularly concerned with this hazard.

Flood
- The Penn Yan Diner flooded in May 2014. The community pitched in to help with recovery efforts. The State provided $25,000 in grant funding. The diner suffered $92,000 in losses. After volunteer hours, cash donations, and the grant, the diner only had to take out a loan for $25,000.
- The topography of steep hills across the County results in flooding from water runoff.
- Yates County
  - Italy Valley Road repeatedly floods.
  - Only three of the County’s municipalities have flood zones delineated on the flood insurance rate maps (FIRM). Most of the FIRM’s were last updated in 1984. They do not accurately reflect the flood risk in the County. Likewise, flood damage prevention ordinances in the County’s municipalities were updated at the same time, and do not include the State-mandated freeboard for new development in the floodplain.
  - All roads along the West River are subject to flooding. State Route 245, from the Town of Italy to the Town of Middlesex, is vulnerable.
- Town of Benton
  - Residents are ripping out hedgerows along farm fields, increasing runoff.
  - All north-south roads in the Town are repeatedly impacted by flooding.
- Village of Dresden
  - Erosion along the Keuka Outlet near Margaret Street is a problem. The bank is only about 40 feet from a house.
- Village of Dundee
  - The New York State Police Dundee facility is located within the 1 percent annual chance floodplain.
- Town of Italy
  - At Burke Hill, there are two large culverts – one 6 feet in diameter, one 8 feet in diameter – that repeatedly clog with sticks, logs, and leaves, and cause flooding. Expanding these culverts will not solve the problem. The Town does not have the resources required to constantly maintain the culverts.
  - Since 2014, almost every road in the Town has been repaired using FEMA funding.
- Town of Jerusalem
  - Every road has been damaged by flooding.
  - No pipes/culverts were overwhelmed strictly due to the volume of water; all issues were caused by debris clogging infrastructure.
MEETING NOTES

- Town of Middlesex
  - Steep banks along Sunnyside Road result in debris being dropped on the road.
  - South Lake Road repeatedly floods.
  - The Indian Village mobile home park is located within the 1 percent annual chance floodplain.
  - The Middlesex Valley Volunteer Ambulance Corps is located within the 1 percent annual chance floodplain.

- Village of Penn Yan
  - Debris from the creeks is being deposited in the Village.
  - It is difficult to work with private property owners to reduce flood impacts.

- Town of Torrey
  - On Arrow Head Beach Road, a culvert under a cottage was too small and had to be upgraded.

- Harmful Algal Bloom
  - Blooms have affected almost every public swimming area along shorelines of all lakes.
  - Blooms can have a significant impact on property values if residents cannot consistently use the waterfront.
  - In the Town of Starkey, sewage causes blooms at Glenora Point. The Town has repeatedly closed the community docks because of algal blooms. The Yates County DOH stated that more attention and awareness of this hazard will lead to more reports of harmful algal blooms.
  - Most private water supplies draw from the lakes.

- Hazardous Materials
  - Mr. Winslow stated that most hazardous materials incidents occur during transit on State roads.

- Landslide
  - Landslides are problematic on Sunnyside Road (Town of Middlesex), East Lake Road (Town of Milo), Hanson Harbor Road (Town of Torrey), East Leach Road (Town of Torrey), and Log Cabin Road (Town of Torrey).

- Severe Storm
  - No feedback was provided. Attendees were not particularly concerned with this hazard.

- Severe Winter Storm
  - West Avenue was impassable for 2 days when snow caused downed trees that blocked the road.

- Transportation Accident
  - No feedback was provided. Attendees were not particularly concerned with this hazard.

- Utility Failure
  - No feedback was provided. Attendees were not particularly concerned with this hazard.

**Risk Ranking**

Though attendees focused on flooding as the main hazard with which they were concerned, the risk ranking process showed flooding at the bottom of the list of ranked hazards. Mr. Subbio explained that that was due, in part, to the lack of expected losses, which was in turn due to the lack of delineated flood zones throughout the County.

Extreme Temperature ranked third, but the Town of Italy reported that it is not as big an issue in the County as reflected on the table.
Next Steps
The following next steps were discussed at the meeting:

- Municipal representatives will continue to complete the information gathering worksheets and provide them to Ms. Caves.
- Ms. Caves will work with the towns and villages to identify additional problem areas and issues related to the hazards analyzed.
- NYS DHSES will conduct a Mitigation Strategy Workshop on June 19, 2018, to discuss identification of hazard mitigation actions based on the updated risk assessment.

The meeting adjourned at 4:00 p.m.
Agenda
- Welcome
- Review Risk Assessment
- Next Steps
- Questions

Welcome

Review Risk Assessment
- Drought
  - History
    - Six droughts since 1999, five of them severe or extreme
  - Impacts
    - 1999 – more than $2.9 million in crop damages
    - 2016 – $768,000 in crop loss insurance claims
  - Probability
    - Six in 19 years – 32% chance each year

Review Risk Assessment
- Drought (continued)
  - Entire population is vulnerable
  - Reduction in firefighting capability
  - No direct effects on structures; may increase vulnerability to wildfires
  - Severe economic impacts on agriculture
    - 919 farms
    - 126,946 acres

Review Risk Assessment
- Epidemic
  - Primary pandemic/infectious disease focus – Influenza
    - Differences between pandemic and seasonal influenza
  - History
    - H1N1 – 2009
    - Spanish Flu – 1918
  - Exposure: Entire County is vulnerable
    - Increased vulnerability in highly/densely populated areas
**Review Risk Assessment**

- **Extreme Temperature**
  - History (since 2009)
    - Three extreme lows
    - Two extreme highs
    - Three USDA Disaster Declarations due to frost/freeze between 2010-2017
  - Impacts
    - Health effects
    - Drought
    - Utility load
  - Probability
    - Five events in 9 years - 56% chance each year

- **Flood**
  - History
    - 11 Presidential Disaster Declarations
    - 21 events since 1972; 10 since 2008
  - Location
    - 1% annual chance floodplain
    - 0.2% annual chance floodplain
    - Ice jams
    - Dam failure
    - Flash flooding

- **Flood (continued)**
  - 1% Annual Chance Floodplain – V Dundee, T Middlesex, V Penn Yan
    - 304 people (1.2% of total population)
    - 325 buildings (1.4% of total)
    - $73.8 million in structure and contents replacement cost value
    - $6.9 million in expected losses
    - 349 tons of debris

- **Flood (continued)**
  - 0.2% Annual Chance Floodplain (Exposure Only) – V Dundee, T Middlesex, V Penn Yan
    - 534 people (2.1% of total population)
    - 580 buildings (2.5% of total)
    - $102.4 million in structure and contents replacement cost value
    - Two critical facilities

**Review Vulnerability Assessment**

- **Extreme Temperature**
  - Entire population is vulnerable
    - Elderly
    - Infants and children
    - Those ill
    - Low-income individuals who cannot afford heating/cooling
    - Overexertion/hypothermia
  - All structures are vulnerable
    - Overloaded HVAC systems
    - Frozen/bursting pipes
  - Loss of business, cost of repairs
  - Economic loss – crops (e.g., grapes)
Review Risk Assessment

- **Flood (continued)**
  - Flood insurance statistics (as of March 31, 2018)
    - 255 policies in the County
    - 143 claims
    - $882,000 in payments
  - Repetitive Loss (RL)
    - Two or more reported losses over $1,000 in any 10-year rolling period since 1978
    - None

- **Harmful Algal Bloom**
  - Canandaigua, Keuka, and Seneca Lakes Shorelines
  - Seven events from 2015-2017
  - Impacts
    - Health effects based on algae alone
    - Loss of water supply
    - Tourism impacts – closed shoreline
    - Fish kills

- **Hazardous Materials**
  - History
    - 368 spill incidents since 2000
  - Location
    - Transit
    - Fixed facilities
  - Impacts
    - Contamination
    - Road closures
    - Property damage
    - Cleanup costs
  - Probability
    - 368 incidents in 18 years – 100% chance each year

- **Landslide**
  - Areas of moderate incidence
  - History
    - One FEMA Disaster Declaration (DR-487) for Severe Storms, Heavy Rain, Landslides, and Flooding (1975)
  - Impacts – none recorded
  - Landslide Hazard Areas
    - 1,059 people (4.2% of total)
    - 982 buildings (4.3% of total)
    - $178.3 million on replacement cost
    - 21 critical facilities (14 of which are wells)

- **Severe Storm**
  - Hail
  - Wind
  - Lightning
  - Thunderstorms
  - Tornado
  - Hurricane/Tropical Storm
Review Risk Assessment

Severe Storm (continued)
- History
  - 10 Presidential Disaster Declarations
  - Six events since 2007 alone
- Impacts
  - 0 injuries or fatalities since 2007
  - $100,000 in property damage since 2007; $1.7 million in crop loss insurance claims since 2010
  - Utility failure
- Probability
  - Six events since 2007 – 55% chance each year

Severe Winter Storm
- Heavy Snow
- Blizzards
- Ice Storms

Severe Winter Storm (continued)
- History
  - Three Presidential Disaster Declarations since 1990
  - No major events since 2005
- Impacts
  - Property damage
  - Crop damage
  - Accidents
  - Travel delays
- Probability
  - 11 major events since 1990 – 39% chance each year

Transportation Accident – 2009 to 2016
- 4,166 major vehicle accidents
- 19 fatalities
- 872 injuries
- One rail accident
- Two aircraft accidents
- Potential economic impacts and other damage
Review Risk Assessment

▪ Utility Failure
  – History
    o One Presidential Disaster Declaration – 2003
    o 18 incidents since 2008
    o Primarily downed trees and wires caused by other hazards
    o 911 outages in 2017
  – Impacts
    o HVAC failure
    o Communications failure
    o Food spoilage
    o Basement flooding
  – Probability
    o 18 incidents within last 10 years – 100% chance each year

Review Risk Assessment

▪ Utility Failure (continued)
  – Entire population is vulnerable
    o Food safety
    o Carbon monoxide exposure from generators
    o Individuals dependent on medical equipment
    o Access to potable water
  – Cost of spoiled food/goods
  – Cost to government and community service groups

Risk Ranking

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<th>Hazard of Concern</th>
<th>Probability</th>
<th>Impact</th>
<th>Total (Probability x Impact)</th>
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Next Steps

▪ Complete Worksheets
▪ Develop Mitigation Actions with County

Questions?

Thank you for your time!

Contacts

Diane Caves
dcaves@yatescounty.org
(315) 536-3000

Tony Subbio
tony.subbio@tetratech.com
(717) 545-3580
AGENDA

YATES COUNTY HAZARD MITIGATION PLAN UPDATE
Risk Assessment Review Meeting

Wednesday, May 23, 2018 | 2:00–4:00 p.m.

1. Welcome

2. Review Risk Assessment
   a. Drought
   b. Extreme Temperature
   c. Flood
   d. Harmful Algal Bloom
   e. Hazardous Materials
   f. Landslide
   g. Epidemic
   h. Severe Storm
   i. Severe Winter Storm
   j. Transportation Accident
   k. Utility Failure

3. Next Steps
   a. Complete worksheets
   b. Develop Mitigation Actions with County

4. Questions
## Yates County Hazard Mitigation Plan (HMP)

### Risk Ranking – Countywide

<table>
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<th>Impact</th>
<th>Total = (Probability x Impact)</th>
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Please provide the following information regarding update of actions and initiatives for your mitigation strategy. Suggested actions have been developed based on an analysis of Yates County’s needs and capabilities, or were carried over from the previous hazard mitigation plan (HMP) update. If questions do not apply to your municipality, please indicate with N/A.

Please provide as much detail as possible so that mitigation actions can be expanded and customized for your municipality to accurately reflect your capabilities and methods of operation.

1. Which properties in your jurisdiction are most at risk from flood events and would have greatest need for retrofitting or other flood hazard mitigation measures? You need not list specific property addresses (to ensure residential privacy), but can include names of streets or neighborhoods.

2. What public outreach and education actions would you be most interested in implementing?
   A. Provide information regarding general natural hazard risk preparedness, and mitigation and related National Flood Insurance Program (NFIP) information in regular newsletters and mailings.
   B. Provide natural hazard risk and risk reduction information via social media channels and e-mail blast systems.
   C. Post flyers and other readily available NFIP informational materials at municipal hall, or distribute at regular civic meetings.
   D. Develop/maintain a natural hazard risk management webpage on the municipal website where information and mapping can be posted.
   E. Encourage development of Continuity of Operations Plans or Business Continuity Plans by private business owners and managers of infrastructure that provide critical services post-disaster.
   F. Enhance public outreach to residents in NFIP floodplain areas to inform them of annual grant opportunities—possibly via distribution of periodic articles in the municipal newsletter.
   G. Other:

3. Which critical facilities still need or would benefit from a backup generator or redundant power supply?
4. Which critical facilities were damaged by flood events and require floodproofing or relocation?

5. Which roads would benefit from mitigation or structural projects to reduce vulnerability to hazardous materials (HazMat) incidents? Also, please specify types of projects that would most help a high-risk road (for example, lower speed limits), if this information is available.

6. Which roads would benefit from mitigation or structural projects to reduce vulnerability to flood or stormwater incidents? Also, please specify types of projects that would most help a high-risk road (for example, new/expanded culvert, road elevation, repaving, etc.), if this information is available.

7. What areas in the municipality are still in need of stormwater rehabilitation and upgrades?

8. What other roads in the municipality are considered high-risk and would benefit from improved design, routing, and traffic control functions?

9. In what other mitigation projects are you interested, or would target for completion during the next 5 years? Please provide as much detail as possible.
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<th>Agency/Organization</th>
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<td>AGENCY/ORGANIZATION</td>
<td>E-MAIL ADDRESS</td>
<td>TELEPHONE</td>
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<tr>
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<td>531-3434</td>
</tr>
</tbody>
</table>
# YATES COUNTY HAZARD MITIGATION PLAN UPDATE

**Risk Assessment Review Meeting**

Wednesday, May 23, 2018 | 2:00-4:00 p.m.

<table>
<thead>
<tr>
<th>NAME AND TITLE</th>
<th>AGENCY/ORGANIZATION</th>
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<tbody>
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