

## SECTION 3: PLANNING PROCESS

### INTRODUCTION

This section includes a description of the planning process used to develop and update the 2007 Broome County Hazard Mitigation Plan, including how it was prepared, who was involved in the process, and how the public was involved.

To ensure that the Plan met the requirements of the DMA 2000, an approach to the planning process and plan documentation was developed to achieve the following two goals:

1. The Plan is multi-jurisdictional and considers natural hazards facing Broome County, thereby satisfying the natural hazards mitigation planning requirements specified in DMA 2000. Broome County invited all municipalities in the county to join with them in the preparation of the Broome County Multi-Jurisdictional All-Hazard Mitigation Plan Update. Broome County and 23 of its municipalities are participating in the Plan as indicated in Table 3-1 below. Of note is the fact that the Village of Deposit which is located partially in Delaware County, has chosen to participate in Delaware County's Multi-Jurisdictional plan update in lieu of the Broome County Update.

Table 3-1. Participating Broome County Jurisdictions

City/Towns	Towns. continued
Barker, Town of	Sanford, Town of
Binghamton, City of	Triangle, Town of
Binghamton, Town of	Union, Town of
Chenango, Town of	Vestal, Town of
Colesville, Town of	Windsor, Town of
Conklin, Town of	<b>Villages</b>
Dickinson, Town of	Endicott, Village of
Fenton, Town of	Johnson City, Village of
Kirkwood, Town of	Lisle, Village of
Lisle, Town of	Port Dickinson, Village
Maine, Town of	Windsor, Village of
Nanticoke, Town of	Whitney Point, Village of

The Broome County Multi-Jurisdictional All-Hazard Mitigation Plan (HMP) update was written using the best available information obtained from a wide variety of sources. Throughout Plan development, a concerted effort was made to gather information from municipal and regional agencies and staff as well as stakeholders, federal and state agencies, and the residents of the County. The HMP Committee solicited information from local agencies and individuals with specific knowledge of certain natural hazards and past historical events, as well as considering planning and zoning codes, ordinances, and other recent planning decisions. The natural hazard mitigation strategies identified in this Plan have been developed through an extensive planning process involving local, county and regional agencies, County residents and stakeholders.

2. The Plan was developed following the process outlined by DMA 2000, FEMA regulations, and FEMA and NYSOEM guidance. Following this process will ensure all the requirements are met and support Plan review.

This section of the Plan describes the mitigation planning process, including (1) Preparing to Plan; (2) Planning Partnership – Organization and Activity; (3) Stakeholder and Public Outreach and Involvement; (4) Coordination with Existing Mitigation Efforts and Programs; (5) Integration of Existing Data, Plans, and Information; and (5) Continued Public and Stakeholder Involvement.

## HAZARD MITIGATION IN BROOME COUNTY – PREPARING TO PLAN

Many parties supported preparation of this plan; the Steering Committee, Planning Committee and other stakeholders. This planning process does not represent the start of hazard risk management in the County; rather it is part of an ongoing process that various State, County and local agencies and individuals have continued to embrace. A summary of the past and ongoing mitigation efforts is provided below to give an historical perspective of the local activities implemented to reduce vulnerability to natural hazards in the planning area.

- Various regional, county and local agencies and governments have been involved in natural hazard risk assessment, mitigation planning and project activities, prior to and/or unrelated to the current planning effort. Such activities provide a strong foundation for subsequent efforts, and an awareness and understanding of the need for and benefits of mitigation planning across a broad range of regional, county and local governments and stakeholders. Several examples of such activities are presented here.
- 24 jurisdictions in the County participate in the National Flood Insurance Program, and manage their floodplains according to the requirements of participation in that program (including the Village of Deposit).
- Mitigation projects/activities that have been completed in Broome County include flood mitigation projects on many road and structure components, including mitigation as well as repair.
- County-wide Scour Protection Program

The County evaluated areas where stone has occurred or is likely to occur and repaired or took preventative measures as noted below:

- At structures (bridges and culverts) where stone scour protection exists, the County repaired any dislocated stone, and added drilling and pinning with rebar to keep the rock in place during the next event.
- At structures where no rock existed prior to the flooding and where erosion occurred, the County added drilled and pinned extra-heavy rock as a repair and as future protection against erosion and scour.
- Where scour and erosion has created plunge pool at outlets – which threaten to undermine culverts or wingwalls, the county repaired these with dumped rock (riprap) or in some cases extra-heavy stone to minimize chances of future damage.

- Where structure integrity was compromised due to scour and embankment loss behind wingwalls, extra-large stone repairs with drilling and pinning have been completed to protect the structure against future flooding.
- In areas of significant embankment loss, the County has put in armored slope protection, or constructed rock walls to provide permanent stabilization instead of simple earthen slopes which could potentially fail during another flood event.
- The County acquired flood stage maps for GIS.
- The County prepared secure updates of topographic mapping by LIDAR.
- The County completed stormwater outfall mapping for all MS4 municipalities.
- The County participated in the Floodplain Remapping process with FEMA and NYSDEC by assisting and organizing outreach efforts to affected residents and municipal representatives. Maps were put on hold while FEMA updates its methodology. Will continue to assist when the process is resumed.
- County Flood Task Force met to address County/Local flood issues and projects including:
  - Broome County grant for 25% local match of USDA grant for stream restoration (SWCD wrote and Broome County Planning is administering the grant) for 10 sites-most is rip rap and stream bank restoration-\$625,000.
  - Put together needs assessment for CDBG-action plan disaster recovery. Broome County received \$14.8M outside of the Town of Union. The money is 100% committed to 25% match of FEMA projects.
  - Scheduled NYDEC (Bill Nechamen) to come to meeting to explain changes to the NFIP program.
  - Identified CDBG funding for Town of Deposit Stormwater-storm sewer system project.
  - Provided input of Levee –Dam failure in County Hazard Mitigation Plan.
  - Identification of Wallace Road project in new plan. -Wallace Road-\$140,000 - would help 30 homes
  - Consideration of river control project in lieu of raising homes. (The cost of raising a home in Vestal 8-10 feet would cost \$144,000 for a \$70,000 home.) Support sewer plant improvements and identification of funding sources.
  - Investigation of controlling water release or increased water storage for Dam flooding mitigation
- Municipalities performed numerous mitigation projects including structural, regulatory, public education, prevention, property protection, natural resource protection, and emergency services. Mitigation projects included but limited to residential property acquisitions, improved code enforcement, higher regulatory standards in flood-prone areas, increased stormwater systems. Detailed lists of actions addressed by each participating municipality are provided in the municipal annexes in Section 9 of this plan.

## PLANNING PARTNERSHIP - ORGANIZATION AND ACTIVITY

This section of the Plan identifies how the planning process was organized with the many planning partners involved, and outlines the major activities that were conducted in the development of this Plan.

### Organization of Planning Partnership

Recognizing the need to manage natural risk within the County, and to meet the requirements of the DMA 2000, the Broome County Legislature assigned Broome County Department of Planning and Economic Development (BCDPED) with the responsibility of managing a natural hazards mitigation plan update project.

On March 29, 2012 Broome County was notified by NYSOEM that their application for a planning grant to update the 2007 Multi-Hazard Mitigation Plan under FEMA's Hazard Mitigation Grant Program (HMGP 1857) was approved. Through an open bid process, the County selected a contract Planning consultant (Tetra Tech EM, Inc. –Morris Plains, NJ). A contract between Tetra Tech EM, Inc. (Tetra Tech) and the County was executed on June 22, 2012. Specifically Tetra Tech, the contract consultant, was tasked with:

- Working with the County's Hazard Mitigation Committee and their partners to identify mitigation actions (Projects) for which the County and partners may seek grant funding.
- Recommending actions to ensure County and participating partners are in good standing and demonstrate continued compliance with National Flood Insurance Program (NFIP) regulations, including local floodplain ordinances and permitting requirements
- Preparation of an updated, FEMA approved All Hazards Mitigation Plan for the County

In support of these tasks, the consultant scope included:

- Assisting with the development and implementation of a public and stakeholder outreach program
- Data collection
- Facilitation and attendance at meetings (Planning committee, stakeholder, public and other)
- Outreach to other various outside groups, facilities, and agencies as outlined in the County's original Request for Proposals for information vital to risk identification and mitigation strategies
- Review of hazards of concern, and update of hazard profiling and risk assessment
- Assistance with the development of updated mitigation planning goals and objectives
- Assistance with the screening of new mitigation actions, identification of appropriate actions, and status updates of actions in the original 2007 plan.
- Assistance with the prioritization of mitigation actions
- Authoring of the Draft and Final Plan documents

To facilitate plan development, with support from their contract consultant, Broome County developed a Steering Committee to provide guidance and direction to the planning effort, and to ensure the resulting document will be embraced both politically and by the constituency within the planning area.

The Steering Committee was charged with:

- Providing guidance and overseeing the planning process on behalf of the general planning partnership.
- Attending and participating in Steering Committee meetings.
- Assisting with the development and completion of certain planning elements, including:
  - Identification of "Hazards of Concern"

- Public and Stakeholder Outreach
- Mitigation Planning Goals and Objectives
- Identification and screening of appropriate mitigation strategies and activities.
- Reviewing and commenting on plan documents prior to submission to NYSEMO and FEMA.

It is noted that prior to the general project Kick-Off meeting, a more limited Steering Committee was assembled to initiate the planning process and assist with overall project administration and the formation of the full Steering Committee.

On July 17, 2012, the Steering Committee met for the first time and continued to meet throughout the year. Table 3-1 shows the current members of the Steering Committee, at the time of this draft Plan's publication.

Members of the Committee (individually and as a whole), as well as key stakeholders, convened and/or communicated on an as-needed basis to share information and participate in workshops to identify hazards; assess risks; identify critical facilities; assist in developing mitigation goals, objectives and actions; and provide continuity through the Plan development process to ensure that natural hazards vulnerability information and appropriate mitigation strategies were incorporated into the Plan. Each member of the HMP Committee reviewed the Plan, supported interaction with other stakeholders and assisted with public involvement efforts.

Table 3-1. Steering Committee Members

Organization	Name	Title
Broome County Planning	Beth Lucas *	Senior Planner
Broome County Planning	Frank Evangelisti**	Chief Planner
Broome County	Doug English	GIS Administrator
Broome County Emergency Services	Michael Ponticiello	Disaster Preparedness Coordinator
Broome County Division of Engineering	Leslie Boulton	Deputy Commissioner of Engineering
Broome County	Jim Worhach	Public Information Officer
Broome County Industrial Development Agency	Margaret Scarinzi	Economic Development Coordinator
Town of Union	Daria Golazeski	Deputy Commissioner of Public Works, Codes and Ordinances
Town of Vestal	Gary Campo	Town Engineer
City of Binghamton Engineering	Philip Krey	City Engineer
City of Binghamton Planning	Caroline Quidort	Acting Director of Planning, Housing and Community Development
Town Engineer for Conklin and Kirkwood	John Mastronardi, PE	Town Engineer, Project Engineer for Griffiths Engineering
Dickinson, Windsor and Port Dickinson	Ronald B. Lake P. E., Fellow ASCE, CEO	Town/Village Engineer, Lake Engineering

\*Chair

\*\*Alternate Chair

On June 12, 2012 Broome County notified all 24 (including the Village of Deposit) municipalities within the County of the pending planning process and invited them to formally participate. Municipalities were provided with a copy of the Planning Partner Expectations and asked to formally notify the county of their intent to participate (via a Letter of Intent to Participate) and to identify a planning point of contact to serve on a Planning Committee and represent the interests of their respective community.

A Planning Committee was then assembled to represent each of the municipalities participating in the Plan, consisting of all members of the Steering Committee, and at least one representative from each of the twenty three (23) participating municipalities. The Village of Deposit is not included in the Planning Committee as it is located partially in Delaware County, and has chosen to participate in Delaware County's Multi-Jurisdictional plan update in lieu of the Broome County Update.

Each municipality received a copy of the "Planning Partner Expectations" which outlined the responsibilities of the participants and the agreement of the partners to authorize a Steering Committee to represent the jurisdictions in the completion of certain planning elements as noted above.

The Planning Committee was charged with the following:

- Represent their jurisdiction throughout the planning process;
- Establish Plan development goals;
- Establish a timeline for completion of the Plan;
- Ensure that the Plan meets the requirements of DMA 2000 and FEMA and NYSOEM guidance;
- Solicit and encourage the participation of regional agencies, a range of stakeholders, and citizens in the Plan development process;
- Assist in gathering information for inclusion in the Plan, including the use of previously developed reports and data;
- Organize and oversee the public involvement process;
- Identify, develop and prioritize appropriate mitigation initiatives.
- Review, amend and approve all sections of the Plan;
- Develop and author the jurisdictional annex for their jurisdiction;
- Develop, revise, adopt, and maintain the Plan.

It is noted that the Letter of Intent to Participate identifies the above "Planning Partner Expectations" as serving to identify those activities comprising overall participation by jurisdictions throughout the planning process. It is recognized that the jurisdictions in Broome County have differing levels of capabilities and resources available to apply to the planning process, and further have differing exposure and vulnerability to the natural hazard risks being considered in this Plan. It was Broome County's intent to encourage participation by all inclusive jurisdictions, and to accommodate their specific needs and limitations while still meeting the intents and purpose of Plan participation. Such accommodations have included the establishment of a Steering Committee and engaging a contract consultant to assume certain elements of the Planning process on behalf of the jurisdictions, and to provide additional and alternative mechanisms to meet the purposes and intent of mitigation planning.

Ultimately, jurisdictional participation is evidenced by a completed annex (chapter) of the Plan wherein the jurisdiction has identified their planning points of contact, evaluated their risk to the hazards of concern, identified their capabilities to effect mitigation in their community, and identified and prioritized an appropriate suite of mitigation initiatives, actions, and projects to mitigate their natural hazard risk; and eventually by the adoption of the Plan via resolution.

The Hazard Mitigation Plan (HMP) Committee was comprised of appropriate municipal personnel, local emergency first responders, and other stakeholders to effectively guide the overall process, provide significant input, and partner with Tetra Tech to develop a FEMA-approved Plan. Thus, the County formed the HMP committee as noted in Table 3-2.

Table 3-2 shows the current municipal members of the Planning Committee at the time of this Plan's publication. Please note that while Steering Committee members are also part of the overall project

Planning Committee, the list below only identifies those Planning Committee members representing participating municipalities.

Table 3-2. Planning Committee Members (Municipal Representatives and Special Purpose District Members Only)

Organization	Name	Title
Barker, Town	David Mackey	Highway Superintendent
Binghamton, City	Caroline P. Quidort, AICP	Acting Director of Planning, Housing and Community Development
Binghamton, Town	Timothy Whitesell	Supervisor
Chenango, Town	Hal Snopek	Supervisor
Colesville, Town	Bradford McAvoy	Enforcement Officer
Conklin, Town	James Finch	Supervisor
Dickinson, Town	Ronald B. Lake, PE	Town Engineer
Endicott, Village	Joseph Griswold	Fire Marshal
Fenton, Town	Gary Holcomb	Assistant Supervisor
Johnson City, Village	Robert Bennett, PE	Director of Public Services
Kirkwood, Town	Dan Griffiths	Town Engineer
Lisle, Town	Mitch Quail Sr.	Highway Superintendent
Lisle, Village	Frances Peterson	Clerk
Maine, Town	George Ludington	Supervisor
Nanticoke, Town	Jake Slack	Highway Department
Port Dickinson, Village	John Broughton	Code Enforcement Officer
Sanford, Town	Kevin J. McKee	Councilman
Triangle, Town	Nathan Warner	Deputy Supervisor
Union, Town	Daria Golazeski, DCPW	Codes & Ordinances
Vestal, Town	Gary Campo	Town Engineer
Whitney Point, Village	David Downs	Mayor
Windsor, Town	Randy J. Williams	Supervisor
Windsor, Village	Ronald G. Harting	Mayor
Johnson City Joint Sewerage Board	Catherine P. Aingworth	Superintendent

### Planning Partnership Activities

A summary of Planning and Steering Committee meetings held during the development of this Plan is included in Table 3-4. It must be recognized that this summary table identifies only the formal meetings held during plan development, and does not reflect all of the activities conducted by individuals and groups throughout the planning process. In addition to these meetings there was a great deal of communication between Planning Committee members through electronic mail (email), and by phone. Significant support and communication was provided by the consultant during this process to engage the Planning Partners and to provide information and guidance in preparing the plan.

After completion of the Plan, implementation and ongoing maintenance will become a function of the Planning Committee. The Planning Committee will review the Plan and accept public comment as part of an annual review and as part of the five year mitigation plan update.

Table 3-4 presents a summary of the planning partnership efforts implemented during the development process for this Plan, as well as key milestones in the Plan's development. It also identifies which DMA 2000 requirements the activities satisfy.

Table 3-4. Summary of Planning Outreach

Date	Activity/DMA 2000 Requirement	Key Outcomes/Purpose	Attendees
9/10/10		Submittal of grant funding of grant application to NYSOEM for HMGP-1899	
3/29/2012	1a	Fully executed NYSOEM grant contract agreement executed by Broome County	
6/12/12	Public Meeting 1a, 1b, 2	Legislative Committee Meeting to discuss resolution to accept consultant	
6/21/12	Public Meeting 1a, 1b, 2	Legislative Meeting - Approval of Tetra Tech for HMP	
6/27/2012	Pre-project Meeting 2	Pre-Kick-Off Meeting	Frank Evangelisti-Broome County Planning, Beth Lucas (Egitto)-Broome County Planning Jonathan Raser-Tetra Tech Cynthia Bianco -Tetra Tech
7/17/2012	Steering Committee Meeting 2, 3a, 3b	Steering Committee #1	Beth Egitto – Broome County Planning Frank Evangelisti – Broome County Planning Gary Campo – Vestal Ron Lake – Windsor, Dickinson Leslie Boulton – Broome County DPW Dee Golazeski - Union John Mastronardi – Towns of Conklin and Kirkwood Philip Krey – City of Binghamton Amelia LoDolce – City of Binghamton Michael Ponticiello – Broome County Office of Emergency Services Alison Miskiman-Tetra Tech Cynthia Bianco – Tetra Tech
8/7/2012	Public Meeting 1b, 2	County Legislature Meeting	Beth Egitto – Broome County Planning Jonathan Raser, Program Manager-Tetra Tech
8/7/2012	Planning Committee and Stakeholder Meeting 1b, 2	Municipal Kick-Off Meeting	Beth Egitto – Broome County Planning Nathan Warner, Deputy Supervisor-Town of Triangle Dee Golazeski, DCPW Codes Officer-Town of Union Ron Lake, Engineer-Towns of Windsor, Dickinson, and Village of Port Dickinson Dick Bassler, Engineer-Fenton Gerald Seymour, Jr; Supervisor-Town of Sanford Kevin McKee, Council-Town of Sanford Gary Campo, Engineer-Town of Vestal David E. Brown, Code Enforcement Officer-Town of Windsor Caroline Quidort, Acting Dir. PHCD, City of Binghamton Mary A. Mesceda Knoop, Supervisor-Town of Triangle Jonathan Raser, Program Manager-Tetra Tech
8/8/2012	Planning Committee and Stakeholder Meeting 1b, 2	Municipal Kick-Off Meeting	Beth Egitto – Broome County Planning Bob Bennet, Director of Public Services-Village of Johnson City Jim Dedrick, CEO-Town of Barker Robert Jones, CEO-Town of Conklin Brad McAvoy, Enforcement Officer-Town of Colesville Mitch Thiel, Highway Superintendent-Town of Lisle John Mastronardi, Engineer-Towns fo Conklin and Kirkwood Ed Gent, Town Engineer, Town of Chenango

Date	Activity/DMA 2000 Requirement	Key Outcomes/Purpose	Attendees
			Kevin M. Burke, Mayor-Village of Port Dickinson David Downs, Mayor-Village of Whitney Point Jay Kasmamir, Secretary to HS, Town of Chenango David Mackey, Highway Superintendent-Town of Barker Kent Rapp, Engineer, Village of Endicott Joseph Griswold, Fire Marshal-Village of Endicott Gary Holmes, Engineer, Town of Lisle Catherine Aingworth, Superintendent-Binghamton-Johnson City Joint Sewer Board Jonathan Raser, Program Manager-Tetra Tech
8/8/2012	Public Meeting 1b, 2	Flood Task Force Meeting-To provide information to the committee on the hazard mitigation plan update process and to obtain input from the flood committee regarding vulnerable areas in the county and ongoing or proposed mitigation projects.	Beth Egitto – Broome County Planning Cliff Crouch-NYS Assembly Mike Marinacchi-Town of Dickinson Ed Gent-Town of Chenango Gary Campo-Town of Vestal Kent Rapp-Village of Endicott John Mastronardi-Towns of Conklin and Kirkwood John Schaffer-Town of Vestal Jason Somers-Village of Whitney Point Jim McKilligan-Town of Maine Brad McAvoy-Town of Colesville Leigh McCullen-Broome County Chris Scheider-Broome County Amy Basquet-State Assembly D. Lupardo Ron Lake-Town of Dickinson, Village of Port Dickinson Dee Golazeski-Town of Union Bob Bennett-Village of Johnson City David Downs-Village of Whitney Point Jonathan Raser-Tetra Tech
8/21/2012	Steering Committee Meeting 2, 3a, 3b, 3c, 3d	Steering Committee #2	Beth Egitto – Broome County Planning Frank Evangelisti – Broome County Planning Leslie Boulton – Broome County DPW Dee Golazeski - Town of Union Leigh McCullen – City of Binghamton John Mastronardi – Town of Conklin and Kirkwood Gary Campo –Town of Vestal Ron Lake – Dickinson, Windsor, Port Dickson Cynthia Bianco – Tetra Tech
10/04/2012	Steering Committee Meeting 2, 3a, 3b, 3c, 3d, 4a	Steering Committee #3- To discuss the plan status, goals and objective, project schedule, data collection, survey outreach, hazards of concern.	Beth Lucas (Egitto) – Broome County Planning Frank Evangelisti – Broome County Planning Leslie Boulton – Broome County DPW Dee Golazeski - Union John Mastronardi – Town of Conklin and Kirkwood Caroline Quidort-City of Binghamton Planning Cynthia Bianco – Tetra Tech
10/23/2012	Steering Committee Meeting 2, 3a, 4a	Steering Committee #4- To review plan status, critical facility inventory, approve goals and objectives.	Beth Lucas – Broome County Planning Frank Evangelisti – Broome County Planning Vanessah Raymond – Broome County DPW Daria Golazeski - Town of Union Michael Ponticello-Broome County OES John Mastronardi – Town of Conklin and Kirkwood Gary Campo –Town of Vestal Cynthia Bianco – Tetra Tech
11/20/2012	Steering Committee Meeting-SWOO 2, 4a, 4b	Strengths, Weaknesses, Obstacles, and Opportunities Workshop	Christopher Ryan, Medical Director-Health Department Beth Lucas, Senior Planner-Planning David Downs, Mayor-Whitney Point Frank Evangelisti, Chief Planner Broome County Chris Coddington, Dir. Div. of Environ Health-Health Department Richard Blackley, Executive Director-Susquehanna Regional EMS Council William Loller, UHS Hospitals Adm Manager-UHS Dee Golazeski, DCPW Codes and Ord-Town of Union Joel Kie, Commissioner of PW, Town of Dickinson Ron Lake, Engineer-Village of Endicott Kent Rapp, Engineer-Village of Endicott John Mastronardi, Project Engineer-T/O Conklin &

Date	Activity/DMA 2000 Requirement	Key Outcomes/Purpose	Attendees
			Kirkwood Michael Ponticello, Disaster Prep. Coord.-Broome County Brett Chellis, OES Director-Broome County Dan Thomas, Fire Chief City of Binghamton Fire Dept Scott Russell, Code Enforcement-Town of Kirkwood Dan Scheffield, B.C. Public Works-Broome County Sue Brown, B.C. Public Works-Broome County Ray Serowik, EMS Coordinator-Broome County Emergency Services Robert Jones, Code Officer-Town of Conklin Ray Coolbaugh, Comm of Public Works-Town of Kirkwood John Finch, Water Treatment Plant Oper-Town of Kirkwood Jonathan Raser, Program Manager-Tetra Tech Cynthia Bianco, Project Manager-Tetra Tech
12/13/2012	Jurisdictional Annex Workshops 2, 3e, 4a, 4b	Jurisdictional Annex Meetings	Joseph Griswold, Fire Chief-Village of Endicott Dave Mackey, Highway Superintendent-Town of Barker Brad McAvoy, Code Enforcement-Town of Colesville David E. Brow, Code Enforcement-Town of Windsor Gary Campo, Town Engineer-Town of Vestal Catherine Aigworth, Superintendent-Binghamton-Johnson City Joint Sewer Board Greald Seymour, Jr; Highway Superintendent-Town of Sanford Don Napisardi, Code Enforcement-Town of Maine Kevin M. Burks, Mayor-Village of Port Dickinson John Mastronardi, Engineer-Towns of Conklin and Kirkwood Rhonda Pudiak, Councilwoman-Town of Chenango Don Benjamin, Supervisor Public Works-Nanticoke/Chenango David Downs, Mayor-Whitney Point Dick Bascer, Town Engineer, Fenton Gary Holcomb, Town Board-Fenton Joy Kasmarcik-Hazard Mitigation Chair-Chenango Bob Bennett, Dir of Public Works-Johnson City Mitch Quiti, Highway Superintendent-Town of Lisle John Skil, Nanticoke David Eggleston, Assistant Chief Police-Binghamton Ron Lake, Engineer-Dickinson/Port Dickinson Daria Golazeski, DCPW Codes & Ordinances, T of Union Leslie Boulton, Deputy Commissioner, DPW Eng.-Broome County Joe Dohnalek, Highway Superintendent-Maine Nathan W/ Warner, Deputy Supervisor-Town of Triangle Gary Post, Building Cod-Village of Windsor Mike Denahue, Highway Superintendent-Town of Binghamton Robert Jones, Code Office-Town of Conklin Patti Hartning, Clerk/Treasurer-Village of Windsor Ron Hartning, Mayor-Village of Windsor Cynthia Bianco, Project Manager-Tetra Tech Jonathan Raser, Program Manager-Tetra Tech
1/9/2012	Working Group meeting- 2, 4c, 5a, 5b, 5c	Working Group Meeting- Hazard Mitigation Planning and Update Overview; Finalization of Annexes; Maintenance Procedure	Beth Egitto – Broome County Planning Frank Evangelisti – Broome County Planning Dee Golazeski - Town of Union Eileen Cynthia Bianco, Project Manager-Tetra Tech
1/21/2013	Draft Plan Posted for Public Review 1b	Public Review	General Public access to Hazard Mitigation Plan Website*
2/5/2013	Outreach to Public	Emails sent to stakeholders and media noting availability of plan for review and comment.	General public and stakeholders.
4/17/2013 (planned)	Outreach Meeting 1b, 5c	Broome County Flood Task Force Meeting	To be advised.

Date	Activity/DMA 2000 Requirement	Key Outcomes/Purpose	Attendees
		Overview of the Plan, adoption, and Implementation of Mitigation Strategy	

Note: TBD = to be determined. Each number in column 2 identifies specific DMA 2000 requirements, as follows:

- 1a – Prerequisite – Adoption by the Local Governing Body
- 1b – Public Participation
- 2 – Planning Process – Documentation of the Planning Process
- 3a – Risk Assessment – Identifying Hazards
- 3b – Risk Assessment – Profiling Hazard Events
- 3c – Risk Assessment – Assessing Vulnerability: Identifying Assets
- 3d – Risk Assessment – Assessing Vulnerability: Estimating Potential Losses
- 3e – Risk Assessment – Assessing Vulnerability: Analyzing Development Trends
- 4a – Mitigation Strategy – Local Hazard Mitigation Goals
- 4b – Mitigation Strategy – Identification and Analysis of Mitigation Measures
- 4c – Mitigation Strategy – Implementation of Mitigation Measures
- 5a – Plan Maintenance Procedures – Monitoring, Evaluating, and Updating the Plan
- 5b – Plan Maintenance Procedures – Implementation through Existing Programs
- 5c – Plan Maintenance Procedures – Continued Public Involvement

\*Due to the compressed project schedule and the availability of the Broome County Hazard Mitigation website, the committee implemented an on-line public review process to capture public comments to the draft plan. Comments were collected using a feedback link on the website. Feedback was gathered by Broome County Planning and Economic Development Department and integrated in the plan risk assessment and mitigation strategies.

## PARTICIPATION MATRIX

Additional information concerning the meeting attendees is provided in the participation matrix which is included on the following pages. This matrix indicates New York State, County, Municipal, and stakeholder personnel participating in the planning process.

This matrix is intended to give a broad overview of who attended meetings and when input was provided to the plan. All participants were encouraged to attend the Kick-off Meeting and Jurisdictional Annex Workshop. During the planning process the consultant contacted each participant to offer support, explain the process, and to facilitate the submittal and review of critical documents.

The participating jurisdictions agreed to abide by the Planning Partner Expectations and Planning Committee Guidelines which established a Steering Committee which would provide the core of the working group. Participation is defined as having input to the hazard analysis (providing critical facility, hazard event, vulnerability data), and as having participated in the annex workshop or alternate annex meetings as described above for the purpose of creating a mitigation strategy to be included in each municipalities annex in Section 9 of the plan.

Table 3-5. Participation Matrix/Official Planning Meetings

Meeting Date	Activity/DMA 2000 Requirement	Activity	Broome County Planning	Tetra Tech	County GIS	County Disaster Preparedness	County Engineering	County Public Information	County Economic Development	County Public Works	County Health Department	Bing-Johnson C Joint Sewer Bd	Barker (T)	Binghamton (c)	Binghamton (t)	Chenango (t)	Colesville (t)	Conklin (t)	Dickinson (t)	Endicott (v)	Fenton (t)	Johnson City (v)	Kirkwood (t)	Lisle (t)	Lisle (v)	Maine (t)	Nanticoke (t)	Port Dickinson (v)	Sanford (t)	Triangle (t)	Union (t)	Vestal (t)	Whitney Point (v)	Windsor (t)	Windsor (v)	New York State Assembly	Susquehanna Reg. EMS Council	UHS Hospitals	Broome County OES					
6/27/2012	Pre-project Meeting 2	Pre-Kick-Off Meeting	x	x	x																																							
7/17/2012	Steering Committee Meeting 2, 3a, 3b	Steering Committee #1	x	x	x	x			x					x				x	x				x					x			x	x		x										
8/7/2012	Public Meeting 1b, 2	County Legislature Meeting																																										
8/7/2012	Public Meeting 1b, 2	Municipal Kick-Off Meeting	x	x											x				x		x							x	x	x	x	x		x										
8/8/2012	Public Meeting 1b, 2	Municipal Kick-Off Meeting	x	x					x		x	x				x	x	x		x		x	x	x				x																
8/8/2012	Public Meeting 1b, 2	Flood Task Force Meeting	x	x												x	x	x	x		x	x	x				x				x	x	x											
8/21/2012	Steering Committee Meeting 2, 3a, 3b, 3c, 3d	Steering Committee #2	x	x	x				x					x				x					x					x			x	x		x										
10/04/2012	Steering Committee Meeting 2, 3a, 3b, 3c, 3d, 4a	Steering Committee #3	x	x	x				x					x				x					x																					
10/23/2012	Steering Committee Meeting 2, 3a, 4a	Steering Committee #4	x	x	x	x			x									x					x								x	x												
11/20/2012	Steering Committee Meeting-SWOO 2, 4a, 4b	Strengths, Weaknesses, Obstacles, and Opportunities Workshop	x	x	x	x	X (		x	x				x				x	x	x			x								x		x								x	x	x	
12/13/2012	Jurisdictional Annex	Jurisdictional Annex Meetings	x	x			X		x		x	x	x	x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x		x	x	x								

Meeting Date	Activity/DMA 2000 Requirement	Activity	Broome County Planning	Tetra Tech	County GIS	County Disaster Preparedness	County Engineering	County Public Information	County Economic Development	County Public Works	County Health Department	Bing-Johnson C Joint Sewer Bd	Barker (T)	Binghamton (c)	Binghamton (t)	Chenango (t)	Colesville (t)	Conklin (t)	Dickinson (t)	Endicott (v)	Fenton (t)	Johnson City (v)	Kirkwood (t)	Lisle (t)	Lisle (v)	Maine (t)	Nanticoke (t)	Port Dickinson (v)	Sanford (t)	Triangle (t)	Union (t)	Vestal (t)	Whitney Point (v)	Windsor (t)	Windsor (v)	New York State Assembly	Susquehanna Reg. EMS Council	UHS Hospitals	Broome County OES				
	Workshops 2, 3e, 4a, 4b																																										
1/9/2012	Working Group meeting- 2, 4c, 5a, 5b, 5c	Working Group Meeting	x	x																																							

- 1a – Prerequisite – Adoption by the Local Governing Body
- 1b – Public Participation
- 2 – Planning Process – Documentation of the Planning Process
- 3a – Risk Assessment – Identifying Hazards
- 3b – Risk Assessment – Profiling Hazard Events
- 3c – Risk Assessment – Assessing Vulnerability: Identifying Assets
- 3d – Risk Assessment – Assessing Vulnerability: Estimating Potential Losses
- 3e – Risk Assessment – Assessing Vulnerability: Analyzing Development Trends
- 4a – Mitigation Strategy – Local Hazard Mitigation Goals
- 4b – Mitigation Strategy – Identification and Analysis of Mitigation Measures
- 4c – Mitigation Strategy – Implementation of Mitigation Measures
- 5a – Plan Maintenance Procedures – Monitoring, Evaluating, and Updating the Plan
- 5b – Plan Maintenance Procedures – Implementation through Existing Programs
- 5c – Plan Maintenance Procedures – Continued Public Involvement

## STAKEHOLDERS INVOLVED IN MITIGATION PLANNING

This section presents (1) municipal involvement, (2) state and regional agency involvement, (3) public participation – citizen involvement, and outreach to business, utility, educational, non-profits, and other stakeholders.

Diligent efforts were made to assure broad regional, county and local representation in this planning process. To that end, a comprehensive list of stakeholders was developed with the support of the Steering and Planning Committee. Stakeholder outreach was performed early on, and continually throughout, the planning process. In addition to “mass media” notification efforts, identified stakeholders were invited to attend the Kick-Off meeting, while key stakeholders were requested to participate on the Steering and/or Planning Committees.

The following is list of the various stakeholders that were invited to participate in the development of this Plan, along with a summary of how these stakeholders participated and contributed to the Plan. It should be noted that this summary listing does not represent the sum total of stakeholders that were aware of and/or contributed to this Plan, as outreach efforts were being made, both formally and informally, throughout the process by the many planning partners involved in the effort, and documentation of all such efforts is impossible. Rather, this summary is intended to demonstrate the scope and breadth of the stakeholder outreach efforts made during the development of this Plan.

Information and input provided by these stakeholders has been included throughout this Plan where appropriate, as identified in the references

On February 5, 2013 an email was sent to the stakeholders indicated in the following table inviting them to review the draft plan documents and to participate in the development of the Plan. Comments were directed to the Broome County Department of Planning and Economic Development, the point of contact tasked with collecting any information from the stakeholder outreach.

Table 3-6. Broome County Stakeholders

Stakeholder Category	Company/Organization Name	Contact Name	Contact Position/Title
Neighboring Counties	Chenango	Matthew Beckwith	Fire Coordinator
		Donna Jones	Planning
	Delaware	Richard J. Bell	EMS Director
		Nicole Franzese	Planning
	Tioga	Richard LeCount	EMS Director
		Elaine Jardine	Planning
	Cortland	Robert Duell	Fire & EMS Director
		Dan Dineen	Planning
	Susquehanna (PA)	Robert Templeton	Planning
	Wayne (PA)	Edward Coar	Planning
Agencies and Organizations	Broome County Flood Task Force	Frank Evangelisti	Chief Planner (Broome County)
	Local Emergency Planning Committee	Michael Ponticiello	Disaster Preparedness Coordinator (Broome County)
	Broome County Soil and Water Conservation District	Chip McElwee	Director
	Binghamton Metropolitan Transportation Study	Cynthia Paddick	Director
Press (Print)	Press & Sun-Bulletin	*	*
	Conklin Courier	*	*
	Windsor Standard	*	*
	Vestal Crier	*	*

Stakeholder Category	Company/Organization Name	Contact Name	Contact Position/Title
	Whitney Point Reporter	*	*
	Deposit Courier	*	*
	Greater Binghamton Chamber of Commerce (Newsletter)	*	*
Press (TV)	WBNG	*	*
	FOX 40- WICZ	*	*
	YNN	*	*
	Newschannel 34	*	*
Press (Radio)	Town Square Media	*	*
	Clearchannel	*	*
	WGY 810AM (Albany)	*	*
	WSKG	*	*
	WNBF	*	*
Press (Online)	Binghamton Today	*	*
	Green Wire	*	*
Hospitals	UHS	Christina Boyd	Vice President
	Lourdes Hospital	David Patak	President
School Boards	Binghamton City SD	Maura Kammerman	President
	Chanango Fork CSD	Joe Peck	Superintendent
	Chenango Valley CSD	David Gill	Interim Superintendent
	Deposit CSD	Edward Shirkey	Superintendent
	Harpusville CSD	Kathleen Wood	Superintendent
	Johnson City CSD	Mary Kay Frys	Superintendent
	Maine-Endwell CSD	Jason R. Van Fossen	Superintendent
	Susquehanna Valley CSD	Suzanne Vimislik	President
	Union-Endicott CSD	Suzanne E. McLeod	Superintendent
	Vestal CSD	Mark D. LaRoach	Superintendent
	Whitney Point CSD	Patricia Follette	Superintendent
	Binghamton City SD	Peter Nowacki	President
Non-Profit Groups	Southern Tier Home Builders & Remodeler's Association	Donna Ciancio	Executive Officer
	Faculty-Student Association of Broome County College	Gary Finch	Executive Director
	United Way of Broome County	Alan Hertel	Director
	American Red Cross	Rick Larson	Emergency Services Manager
Colleges and Universities	Davis College	Dino Pedrone	President
	Binghamton University - SUNY	Dave Hubeny	Director of Emergency Management
	Ridley-Lowell Business & Technical Institute	David Lounsbury	Executive Director
	Elmira Business Institute		
	Broome Community College	Dr. Kevin Drumm	President
Civic Groups	Broome County Council of Churches	Rev. Dr. Joseph Sellepack	Director
	Broome County Urban League, Inc.	Jennifer Lesko	CEO
	Catholic Charities of Broome County	Lori Accardi	Director
Development Agencies	Pierce Creek Realty & Development	Maynard Fahs	Partner
	Town of Union Economic Development	Joseph Moody	Director
	AM&T	Ed Gaetana	Director
	Binghamton Local	Merry Harris	Director

Stakeholder Category	Company/Organization Name	Contact Name	Contact Position/Title
	Development Corp		
	Broome County Industrial Development Agency	Richard D'Attilio	Executive Director

No comments were received from stakeholders. The public was also invited to review the draft via local media on January 29, 2013 and comments were collected by the County via a link on the draft plan website. A summary of the comments is included in Appendix C of this plan. Comments have been considered for incorporation in the risk and vulnerability sections of the plan, as well as in the mitigation strategies as appropriate.

### **Municipal and Local Involvement**

The HMP Committee and/or its members and contract consultant met and communicated with relevant representatives of the towns and villages within the County to obtain data and information, review existing plans and capabilities, and facilitate the identification of appropriate mitigation initiatives. Further, these departments have reviewed the Draft Plan and provided direct input during its development.

Throughout the course of updating the Hazard Mitigation Plan, the Committee Chair sent correspondence to participating municipalities to update them on the process, make them aware of important meeting dates and other plan review activities. This correspondence included emails, letter and phone conversations with many of the municipal stakeholders. For each of the stakeholders the distribution list included as appropriate:

- Town Supervisor or Village Mayor
- Town Clerk
- Highway Superintendent
- Code Enforcement
- Floodplain Administrator
- Primary Point of Contact determined by stakeholder
- Secondary Point of Contact determined by stakeholder

The Committee and its members met and communicated regularly to obtain mitigation planning information for HMP preparation. Meeting sign-in sheets which indicate the municipal and stakeholder participants are provided in Appendix I.

### **Federal, State, County, and Regional Agency Involvement**

Throughout this Planning process, the County actively sought the involvement of a wide range of county, state and regional stakeholders, including:

At a minimum, these stakeholders were advised of the planning process and provided the opportunity to review and provide direct input to the Plan during its development. Further, the HMP Committee and/or its members and contract consultant, met and/or directly communicated with many of these stakeholders to obtain data and information, review existing plans, and facilitate the identification of appropriate mitigation initiatives. Specific information obtained from these stakeholder is cited and/or referenced throughout this Plan.

Input from stakeholders specifically included:

**NYSOEM:** Provided program support for Planning Committee; provided data, information and guidance on mitigation planning and grant programs, provided recent planning grant guidance.

**New York State Department of Environmental Conservation:** Provided data and information to Plan, specifically in the area of NIFP compliance; Provided data and information through the Bureau of Flood Protection and Dam Safety, Floodplain Management Section.

**Federal Emergency Management Agency (FEMA) – Region II:** Provided planning grant funding, provided programmatic guidance and support, provided National Flood Insurance Program data for the County and Municipalities.

**New York State Department of State (NYS DOS) -** Currently providing fiscal and programmatic support to communities in the County impacted by Irene/Lee through the Long-Term Community Recovery Strategy program (LTCRS). Efforts are ongoing to assure effective coordination and integration of these planning programs, particularly with respect to data and information transfer and mitigation strategy development.

**USDA National Resources Conservation Service (NRCS):** Provided data and information to Plan.

### **Broome County Government Agencies**

**Broome County Department of Planning and Economic Development –** Steering Committee member, provided input to inventory and risk assessment; reviewed plan sections, identified potential county, regional and local mitigation initiatives, coordinated municipal outreach and organization.

**Broome County Department of Public Works –** Steering Committee member, attended Steering and Planning Committee meetings, provided input to inventory and risk assessment, reviewed plan sections, identified potential county and regional mitigation initiatives.

**Broome County Division of Engineering (Division of Public Works) -** Supported public and stakeholder outreach efforts, identified completed and ongoing mitigation activities; provided updates to the county mitigation strategy

**Broome County GIS Department –** Provided county wide structural and geographic information for the vulnerability analysis and planning effort.

**Broome County Emergency Services –** Provided administrative support; provided direct representation on the Steering Committee; provided data and information on assets and vulnerabilities throughout the County; supported public and stakeholder outreach, identified completed and ongoing mitigation activities and updates to the county and local mitigation strategies; reviewed and provided comment on draft plan sections; facilitated regional mitigation planning coordination

**Broome County Health Department (BCHD) -** Supported public and stakeholder outreach efforts; identified completed and ongoing mitigation activities; provided updates to the county mitigation strategy.

Broome County Office of the County Executive (Public Information Officer) - Supported public and stakeholder outreach efforts.

Broome County Legislature - Provided authorization for grant, contracting, and the planning organizational structure; promoted and facilitated municipal participation, up to and including adoption of the Plan update

### **Surrounding County Agencies**

The surrounding counties and the Village of Deposit have been informed of plan activity, progress and opportunities for input at regular meetings of the NYSOEM District.

### **Academia**

SUNY Binghamton -Requested to provide review and input to draft plan documents.

### **Hospitals and Health Care**

Lourdes Hospital- Requested to provide review and input to draft plan documents.

### **Transportation**

Binghamton Metropolitan Transportation Study (BMTS) – Requested to provide review and input to draft plan documents.

### **Utilities and Infrastructure**

NYSEG-Provided data for inundation mapping of 2011 flood event to the Broome County Division of GIS for mapping.

### **Commerical and Industrial Interests**

Broome County Industrial Development Agency-Steering Committee Member. Provided data, reviewed draft plan sections, participated in Strengths, Weaknesses, Obstacles, and Opportunities (SWOO) workshop, identified potential initiatives

### **Government Agencies**

Information regarding hazard identification, risk assessment, and mitigation actions for this plan was also requested and received from the following agencies and organizations:

- Midwest Regional Climate Center (MRCC)
- National Climatic Data Center (NCDC)
- National Hurricane Center (NHC)
- National Oceanic and Atmospheric Administration (NOAA)
- National Resources Conservation Service (NRCS)

- National Weather Service (NWS)
- New York State Department of Environmental Conservation (NYSDEC)
- New York State Department of Health (NYSDOH)
- New York State Department of Transportation (NYSDOT)
- New York State Disaster Preparedness Commission (NYSDPC)
- NYSOEM
- Storm Prediction Center (SPC)
- U.S. Army Corps of Engineers (USACE)
- U.S. Census Bureau
- U.S. Department of Agriculture (USDA)
- U.S. Department of Health and Human Services
- U.S. Environmental Protection Agency (USEPA)
- U.S. Geological Survey (USGS)
- U.S. Fish and Wildlife Service

### **Public Participation - Citizen Involvement**

In order to facilitate better coordination and communication between the Planning Committee and citizens and to involve the public in the planning process, it was determined that draft documents will be made available to the public through a variety of venues. The participating partners also feel that community input on the HMP will increase the likelihood of hazard mitigation becoming one of the standard considerations in the evolution and growth of the County.

The Planning Committee has made the following efforts toward public participation in the development and review of the Plan:

- The public was informed of the hazard mitigation planning effort commencement at the kick-off meeting, and through press releases, new articles, and public service announcements. To inform the public of the ongoing Plan effort, updates regarding the mitigation planning process have been made at Broome County Legislature Economic & Rural Development and Planning Committee, including a meeting regarding consultant selection, and a status presentation.
- A public website is being maintained as another way to facilitate communication between the Planning Committee and County residents (<http://www.gobroomecounty.com/planning/hazardmitigation>). The public website contains a project overview, Broome County Planning Department contact information, and sections of the HMP for public review and comment. See Figures 3-1 and 3-2 for screenshots of this public website.
- Links to the public website have been established by the Towns of Chenango and Vestal . These links are on the home web pages of each jurisdiction. Other towns and villages will be encouraged to add links to their websites.
- The public has been informed of the mitigation planning process through media coverage and articles. Copies of these articles may be found in Appendix C.
- In order to facilitate coordination and communication between the Planning Committee and citizens and involve the public in the planning process, the Plan will be available to the public through a variety of venues. A printed version of the Plan will be maintained at Broome County Department of Planning and Economic Development.

- The County has created a page on its website devoted to the Multi-Hazard Mitigation Plan (<http://www.gobroomecounty.com/planning/hazardmitigation>) to inform residents of the project and allow for direct input. The website went live in March 2012. The page contains information on the project and methods the public can participate in the planning process (Appendix C).

In January 2012 a press release indicating that the planning process was under way was sent to local media outlets including the Press & Sun-Bulletin, Conklin Courier, Windsor Standard, Vestal Crier, Whitney Point Reporter, Deposit Courier and Greater Binghamton Chamber of Commerce (Newsletter), WBNG, FOX 40- WICZ, YNN, Newschannel 34, Town Square Media, Clearchannel, WGY 810AM, (Albany), WSKG, WNBF, Binghamton Today, and Green Wire. Sample news clippings are provided in Appendix C to illustrate media coverage.

- An on-line natural hazards preparedness citizen survey was developed to gauge household preparedness that may impact the County and to assess the level of knowledge of tools and techniques to assist in reducing risk and loss of those hazards (<http://www.gobroomecounty.com/planning/hazardmitigation>). The questionnaire asked quantifiable questions about citizen perception of risk, knowledge of mitigation, and support of community programs. The questionnaire also asked several demographic questions to help analyze trends. Responses were collected and incorporated into Strengths, Weaknesses, Obstacles, and Opportunities (SWOO) discussions and the catalog of mitigation actions. A summary of survey results is provided in Appendix H of this plan.
- The questionnaire has been available on the public website since September 2012, and further advertised on their website devoted to Hazard Mitigation Planning. Response rates to date are considered good. Appendix H summarizes public input received through the website, the online survey, and other sources.
- A hazard mitigation planning tri-fold brochure (see Appendix C) was developed to inform the public of the planning process, provide local contact information, and encourage the public to review the plan and provide input.
- Media representatives were present at the August 8, 2012 legislative committee meeting and published an article and taped interview of the event.
- On January 21, 2013, the Draft Plan was posted to the public website (<http://www.gobroomecounty.com/planning/hazardmitigation>). This is an opportunity for public comment on the Draft Plan before it while it is under review by NYSOEM. All public comments were directed to the Broome County Department of Planning and Economic Development for collection and review by the planning committee. Any public comments received before submittal to FEMA have been incorporated into the plan.
- On February 5, 2013 an email was sent to the inviting them to review the draft plan documents and to participate in the development of the Plan. Comments were directed to the Broome County Department of Planning and Economic Development, the point of contact tasked with collecting any information from the stakeholder outreach.

Examples of public outreach efforts are presented in Appendix C. Public comments that have been received to date are documented in Appendix C.

Figure 3-1. Screenshot of the Hazard Mitigation Plan Link on the Broome County Government Website

The screenshot displays the Broome County, NY website. The header features the county logo and the name of the Executive, Debra A. Preston. A navigation menu includes links for Home, Departments, Executive, Legislature, Employment, Contact Us, Broome Online, and Board of Ethics. The main content area is titled "Broome County Hazard Mitigation Plan" and contains the following text:

This webpage is intended to provide information and updates related to hazard mitigation efforts in Broome County as outlined in the County-wide Hazard Mitigation Plan.

Broome County, along with the towns and villages have developed this Multi-Jurisdictional All-Hazard Mitigation Plan (HMP) which is an update of the 2007 plan. This plan is designed to improve response to and recovery from disasters, and prioritize projects and resources. Local governmental agencies are required to update their HMPs on a five year basis to prepare for and reduce the potential impacts of natural hazards. This planning will better enable local and State governments to articulate accurate needs for mitigation, resulting in faster allocation of funding and more effective risk reduction projects.

Broome County and the participating jurisdictions intend to implement this HMP with full coordination and participation of County and local departments, organizations and groups, as well as by coordinating with relevant State and Federal entities.

**You can review the draft documents here:**  
[Draft Broome County All Hazards Mitigation Plan \(Jan 2013\)](#)

**Comments can be submitted online via this form:** [Submit Comments](#)

**Comments can also be submitted in writing to the following:**

Broome County Hazard Mitigation Coordinator  
 Department of Planning and Economic Development  
 Broome County Office Building, P.O. Box 1766  
 Binghamton, New York 13902

On the right side of the page, there is a "Contact Information" box for Elaine Miller, Commissioner, with her address, phone, fax, and email, along with links for print, vcard, and map.

The left sidebar contains a "Planning" menu with links to Planning Home, Planning Services, Demographics, Publications and Forms, Links, Calendar, Press Releases, GIS/Mapping, Economic Development, BMTS, EMC, Council of Governments, Stormwater Coalition, Hazard Mitigation, and Contact Us. Below this is a "Quick Links" section with links to Contact Information, Directory of Officials, Community, Departments, Economic Development, and Election Board.

Source: <http://www.gobroomecounty.com/planning/hazardmitigation>

Figure 3-2. Screenshot of the Broome County Hazard Mitigation Plan Public Website

Home Departments Executive Legislature Employment Contact Us Broome Online Board of Ethics

Home » Departments » Planning »

**Planning**

- Planning Home
- Planning Services
- Demographics
- Publications and Forms
- Links
- Calendar
- Press Releases
- GIS/Mapping
- Economic Development
- BMTS
- EMC
- Council of Governments
- Stormwater Coalition
- Hazard Mitigation
- Contact Us

**Quick Links**

- Contact Information
- Directory of Officials
- Community
- Departments
- Economic Development
- Election Board
- Employment
- Community Services
- Health Department
- Parks/Arena/Forum
- News Releases
- Public Works
- Recycling

### Hazard Mitigation Plan Documents

Comments can be submitted online via this form: [Submit Comments](#)

Comments can also be submitted in writing to the following:

Broome County Hazard Mitigation Coordinator  
Department of Planning and Economic Development  
Broome County Office Building, P.O. Box 1766  
Binghamton, New York 13902

**Draft Broome County All Hazards Mitigation Plan (Jan 2013)**

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ACRONYMS AND ABBREVIATIONS

GLOSSARY

REFERENCES

**Contact Information**

**Elaine Miller,  
Commissioner**

5th Floor  
Broome County Office  
Building  
60 Hawley Street  
PO Box 1766  
Binghamton, NY 13902  
Phone: 607.778.2114  
Fax: 607.778.2175  
Email

[print](#) | [vcard](#) | [map](#)

Source: <http://www.gobroomecounty.com/planning/hazardmitigation>

Specific comments and input received from the public and stakeholders are presented in Appendix C.

The community had an opportunity to comment on the draft HMP before submittal to NYSOEM/FEMA.

The HMP was posted on the public website in January 2013 for review. Comments were facilitated by an automated web form which enabled submittal of comments via a link from the draft plan site. Comments were forwarded the Broome County Department of Planning and Economic Development for further action.

## COORDINATION WITH EXISTING PLANNING EFFORTS AND PROGRAMS

Local municipalities are charged with the development of local HMPs required under Section 322 of the Stafford Act by New York. Therefore, the Planning Committee coordinated the development of this HMP. In New York, Article 2B Section 23 of State Executive Law authorizes local communities to prepare local disaster plans based on the contention that local municipalities are best equipped to assess their strengths and weaknesses, opportunities, and constraints. Local governments have intimate knowledge of the local geography, and in a disaster, local government personnel are on the front lines providing personnel and equipment to support the community. Broome County and the participating jurisdictions are involved in this above program, hence the development of this Plan.

Examples of other hazard mitigation programs in which County is involved with are the National Flood Insurance Program (NFIP), and the Hazard Mitigation Grant Program (HMGP). These programs assist the County in receiving funding for flood mitigation projects and flood insurance (the HMGP also can provide funds to mitigate other natural hazards). Data from the County, based on participation in these programs, was incorporated in the risk assessment in Section 5 and used to identify mitigation options in Section 9. Continued involvement in these flood-related programs will help to administer funds and resources to support this HMP.

### HAZARD MITIGATION GRANT PROGRAM

Participation in FEMA 404 HMGP may cover mitigation activities including raising, removing, relocating or replacing structures within flood hazard areas.

### NATIONAL FLOOD INSURANCE PROGRAM

Established in 1968, the NFIP provides federally-backed flood insurance to residents of communities that enact and enforce regulations that more carefully regulate development within floodplain areas. For individual property owners to be eligible to buy the federally-backed flood insurance, their property must be located within a community that participates in NFIP.

For a community to be eligible in NFIP, it must adopt and enforce a floodplain management ordinance to regulate proposed development in floodplains and officially designate a local floodplain coordinator/administrator. The intent of the program is to ensure that new construction does not exacerbate existing flood hazards and is designed to better withstand flooding. All jurisdictions in Broome County participate in the NFIP. The communities also have Flood Insurance Rate Maps (FIRM) that at a minimum show floodways, 100-year flood zones, and 500-year flood zones. Mitigation activities related to this program are included in Section 9 and data from FEMA Region II regarding NFIP Insurance Reports was used in the risk assessment for the flood hazard included in Section 5.

Each municipality in the county has a local floodplain manager. All floodplain managers have been informed of the planning process, reviewed the plan documents, and provided direct input to the Plan. Table 3-6 summarizes the designated Floodplain Administrators for each jurisdiction.

Table 3-7. Broome County Floodplain Administrators

Organization	Name	Title
Barker	Jim Dedrick	Code Enforcement/Building Inspector
Binghamton, City	John Stella	Chair, Planning Commission
Binghamton, Town	Nick Pappas	Provisional Code Enforcement Officer
Chenango	Tom Geisenhof	Assessor
Colesville	Bradford McAvoy	Enforcement Officer
Conklin	Robert Jones	Code Enforcement
Dickinson	Stephen Rafferty	Code Enforcer
Endicott	Joseph Griswold	Code Enforcement Officer
Fenton	Bill Broderick	Town Building Inspector
Johnson City	Daria Golazeski	Deputy Commissioner of Public Works for Codes and Ordinances
Kirkwood	Ronald Kiberd	Code Enforcement Officer
Lisle, Town	Mitch Quail Sr.	Highway Superintendent
Lisle, Village	Shawn Oliver	Code Enforcer
Maine	Daniel Napierala	Code Enforcer
Nanticoke	Glenn Simpson	Code Enforcement Officer
Port Dickinson	John Broughton	Code Enforcement Officer
Sanford	Walter Ottens	Code Enforcement Officer
Triangle	Danny H. David	Highway Superintendent
Union	Daria Golazeski	DCPW-Codes & Ordinances
Vestal	Mark Dedrick	Code Enforcement Officer
Whitney Point	Kenneth Jennison	Code Enforcement Officer
Windsor, Town	David Brown	Zoning/Code Enforcement Administrator
Windsor, Village	Gary Post	Code Enforcement Officer

Source: updated by local contacts.

### COMMUNITY RATING SYSTEM (CRS)

The NFIP has been successful in protecting property owners who acquire flood insurance through the program from catastrophic financial losses due to flooding, and in requiring that new buildings constructed within 100-year flood plains are better protected from flood damage.

In the 1990s, the Flood Insurance Administration (FIA) established the CRS to encourage local governments to increase their standards for floodplain development. The goal of this program is to encourage communities, through flood insurance rate adjustments, to implement standards above and beyond the minimum required in order to:

- Reduce losses from floods
- Facilitate accurate insurance ratings
- Promote public awareness of the availability of flood insurance

CRS is a voluntary program designed to reward participating jurisdictions for their efforts to create more disaster-resistant communities using the principles of sustainable development and management. Two communities in Broome County are currently participating in the program. By enrolling in CRS, municipalities can leverage greater flood protection while receiving flood insurance discounts. Active involvement in this program is included as a mitigation activity for many municipalities in Section 9.

Municipality	CRS Rating
Village of Johnson City	9
Town of Union	8

## COUNTY COMPREHENSIVE PLAN TOOLS

### Comprehensive Plans, Zoning and 239 Reviews

According to the Broome County Comprehensive Plan (2011), the most widely used tools that municipal planners rely on are the comprehensive plan and zoning regulations. These two techniques are deeply interrelated. The comprehensive plan is written first, and it establishes the vision for the community. Later a zoning ordinance is drafted to conform to the vision in the plan. The zoning ordinance can be used to restrict or encourage development to assist in implementing the comprehensive plan.

Over the past decade, Broome County Planning has worked with the towns of Lisle, Triangle, Fenton, Dickinson and Binghamton and the Village of Whitney Point to prepare their comprehensive plans. The City of Binghamton, and the Towns of Union, Chenango, Conklin and Kirkwood prepared comprehensive plans independently of the County.

In New York, zoning is handled at the municipal level, so each town and village has the opportunity to have its own zoning ordinance, zoning board of appeals, and planning board. Although these ordinances are drafted, adopted, and administered at the local level County Planning can indirectly influence how these zoning ordinances are revised.

A tool related to zoning is the ‘Section 239’ review performed by County Planning on certain projects. Section 239 of general town law, gives counties the authority to comment on projects within 500 feet of 1) A municipal boundary; 2) An existing or proposed county or state park or recreation area; An existing or proposed county or state road; 3) Any existing or proposed stream or drainage channel; 4) Any existing or proposed county or state land, building or institution; or 5) A farm in an agricultural district. In a typical year, 200 to 300 cases come to the County for Section 239 review.

If the County Planning Department recommends denial, the zoning or planning board needs a ‘super majority’ vote to override. This is a majority plus one, and it can influence approvals that would be narrowly decided. Through the 239 process, County Planning also provides technical comments from a variety of agencies that help the towns and villages make a more informed zoning decision. If this countywide comprehensive plan includes recommendations, the Planning Department can cite it in future 239 review letters. This can influence how land use decisions are made for many years.

### Waterfront Public Access Plan

Broome County has five rivers: Susquehanna, Tioughnioga, Chenango, Otselic and Delaware that cover more than 89 miles of waterway that run through 22 waterfront communities. These communities collaborated on a Local Waterfront Revitalization Plan (LWRP) to create the Waterfront Public Access

Plan. Through this inter-municipal plan, there are now common goals for waterfront development across the county, one of which is Flood Control to sensitively reuse lands prone to flooding. (Broome County Comprehensive Plan, 2011)

By participating in the LWRP process, these waterfront communities can advance projects for funding by New York State.

#### Capital Improvement Plan

Broome County Government uses a capital improvement plan (CIP) to manage its larger infrastructure projects. The CIP lists all proposed projects over a 5 year time horizon. This includes infrastructure such as bridge work and major new buildings, as well as large equipment purchases ranging from dump trucks and loaders to computer servers and IT hardware. Through the CIP process, these expenditures are appropriately budgeted for. Projects proposed for the CIP are all reviewed and ranked by the Planning Department and then approved by a CIP committee consisting of the County Executive, the Director of Management and Budget, the Commissioner of Planning, the Commissioner of Public Works, the Chairman of the Legislature, the Chairman of the Finance Committee and the Chairman of the Public Works Committee.

Through the CIP process, the Planning Department, and the County in general, can guide development to some degree. (Broome County Comprehensive Plan, 2011)

## INTEGRATION OF EXISTING DATA AND PLANS INTO MITIGATION PLAN

The mitigation plan integrates local and federal data as discussed below.

### LOCAL DATA

The Planning Committee reviewed and incorporated existing data and plans to support the mitigation plan including

- Broome County Geographic Information System (GIS) data
- Documentation of past mitigation actions and grant applications
- Historic maps and local inventory data

A number of electronic and hard copy documents were made available to support the planning process. A complete listing is included in Table 3-8.

Cross-referencing this Plan with existing planning documents has been included in Section 9 as mitigation activities.

The following local regulations, codes, ordinances and plans were reviewed during this planning process in an effort to develop mitigation planning goals, objectives and mitigation strategies that are consistent across local and regional planning and regulatory mechanisms; and thus develop complementary and mutually supportive plans.

- Building Codes
- Zoning Ordinances
- Subdivision Ordinances
- NFIP Flood Damage Prevention Ordinances
- Site Plan Requirements
- Stormwater Management
- Emergency Response Plans
- New York State Standard Multi-Hazards Mitigation Plan, 2008

The “Legal and Regulatory” capability assessment of each participating jurisdiction is included in Section 9, Jurisdictional Annexes and provides a listing of the local codes, ordinances, regulations and planning mechanisms available in the jurisdictions and reviewed during this planning process.

### FEDERAL AND STATE DATA

Federal and State data was collected and used throughout the mitigation process including:

- US Census data
- HAZUS-MH provided data
- FEMA “How To” Series (386-1 to 386-4, and 386-7)
- Public laws and other programs such as the NFIP were examined to complete this Plan.

A complete list of the existing data and plans used to support this HMP is included in the references section of this document. By incorporating data from existing programs into this mitigation plan, the County also was able to identify the relevance of mitigation planning to these existing programs. Implementation of this Plan through these existing plans is identified as a specific mitigation action in several areas in Section 9 of this Plan.

## REVIEW OF EXISTING REPORTS AND PLANS

A summary of the reports and plans provided by Broome County and reviewed in the preparation of this plan is included in the following Record of Review Matrix.

Table 3-8. Record Review (Municipalities) - Record of the review of existing programs, policies, and technical documents for participating jurisdictions (all)

Existing Program/Policy/Technical Documents	Countywide *	Barker (T)	Binghamton (c)	Binghamton (t)	Chenango (t)	Colesville (t)	Conklin (t)	Dickinson (t)	Endicott (v)	Fenton (t)	Johnson City (v)	Kirkwood (t)	Lisle (t)	Lisle (v)	Maine (t)	Nanticoke (t)	Port Dickinson (v)	Sanford (t)	Triangle (t)	Union (t)	Vestal (t)	Whitney Point (v)	Windsor (t)	Windsor (v)
City of Binghamton Comprehensive Plan (2002)			✓																					
Broome County Comprehensive Plan	✓																							
Town of Binghamton Comprehensive Plan				✓																				
Town of Chenango				✓																				
Town of Colesville Debris Management Plan					✓																			
Town of Conklin Comprehensive Plan (2004)							✓																	
Town of Conklin Hazard Mitigation Plan (2006)							✓																	
Town of Conklin Stormwater Management Report (2007-2008)																								
Town of Dickinson Comprehensive Plan (2005)								✓																
Town of Fenton Comprehensive Plan (2007)										✓														
Town of Kirkwood Comprehensive Plan												✓												
Town of Lisle Comprehensive Plan (2001)													✓											
Town of Lisle Emergency Response Plan (2012)													✓											
Town of Maine Comprehensive Plan (2008)														✓										
Town of Triangle Comprehensive Plan (2004)																			✓					
Town of Union HMP (2011)																					✓			
Town of Union Unified Comprehensive Plan (2009)									✓		✓										✓			
Town of Union Disaster Recovery Plan (2012)																					✓			
Village of Whitney Point Comprehensive Plan (2012)																						✓		
Village of Windsor Economic Development Vision Plan																								✓
New York Counties 2010 Census of Population and Demographics	✓																							

Existing Program/Policy/Technical Documents	Countywide *	Barker (T)	Binghamton (c)	Binghamton (t)	Chenango (t)	Colesville (t)	Conklin (t)	Dickinson (t)	Endicott (v)	Fenton (t)	Johnson City (v)	Kirkwood (t)	Lisle (t)	Lisle (v)	Maine (t)	Nanticoke (t)	Port Dickinson (v)	Sanford (t)	Triangle (t)	Union (t)	Vestal (t)	Whitney Point (v)	Windsor (t)	Windsor (v)
Broome County 2007 Agricultural Census	✓																							
Broome County Agricultural Economic Development Plan	✓																							
Broome County CDBG DR Needs Assessment	✓																							
Broome County Fact Book	✓																							

Notes:

✓ = the Hazard Mitigation Plan consultant reviewed the program/policy/technical document

\* = this document may or may not include all jurisdictions

The plan update has incorporated a goals and objectives hierarchy as a basis for the planning process and to address all hazards of concern rather than providing separate goals and objectives for each hazard as in the original plan. A cross-walk indicating the relationship of the original goals and objectives with the new goals and objectives is provided in Section 6 of the plan. Goals and objectives relevant to hazard mitigation of plans (noted above) reviewed in the update process have been incorporated into the updated plan goals and objectives.

## CONTINUED PUBLIC INVOLVEMENT

Broome County is committed to the continued involvement of the public. Therefore, copies of the Plan will be made available for review during normal business hours at the Broome County Department of Planning and Economic Development.

A notice regarding annual updates of the Plan and the location of Plan copies will be publicized annually after the Planning Committee's annual evaluation and posted on the public website (<http://www.gobroomecounty.com/planning/hazardmitigation>).

Each jurisdiction's Supervisor/Mayor or Clerk shall be responsible for receiving, tracking, and filing public comments regarding this Plan.

The public will have an opportunity to comment on the Plan as a part of the annual mitigation planning evaluation process and the 5-year mitigation plan update. The HMP Coordinator (currently Ms. Beth Lucas of Broome County Planning) is responsible for coordinating the plan evaluation portion of the meeting, soliciting feedback, collecting and reviewing the comments, and ensuring their incorporation in the 5-year plan update as appropriate; however, members of the Planning Committee will assist the HMP Coordinator. Additional meetings may also be held as deemed necessary by the Planning Committee. The purpose of these meetings would be to provide the public an opportunity to express concerns, opinions, and ideas about the Plan.

Further details regarding continued public involvement are provided in Section 7.

Broome County is committed to the continued involvement of the public. Therefore, copies of the Plan are available for review on their public website (<http://www.gobroomecounty.com/planning/hazardmitigation>), as well as at the Clerk's Office at participating municipalities.

After completion of the Plan, implementation and ongoing maintenance will become a function of the HMP Committee. The HMP Committee will review the Plan and accept public comment as part of an annual review and as part of five-year mitigation Plan updates.

A notice regarding annual updates of the Plan and the location of Plan copies will be publicized annually after the HMP Committee's annual evaluation and posted on the public web site.

Ms. Beth Lucas, has been identified as the ongoing County All Hazard Mitigation Plan Coordinator (see Section 7), and is responsible for receiving, tracking, and filing public comments regarding this Plan. Contact information is:

Beth A. Lucas  
Broome County Planning  
Ph: 607-778-2375  
Fax: 607-778-2175

Email: [BLucas@co.broome.ny.us](mailto:BLucas@co.broome.ny.us)

The public will have an opportunity to comment on the Plan as a part of the annual mitigation planning evaluation process and the five-year mitigation Plan update. The HMP Coordinator is responsible for coordinating the plan evaluation portion of the meeting, soliciting feedback, collecting and reviewing the comments, and ensuring their incorporation in the five-year Plan update as appropriate; however, members of the HMP Committee will assist the HMP Coordinator. Additional meetings may also be held as deemed necessary by the HMP Committee. The purpose of these meetings would be to provide the public an opportunity to express concerns, opinions, and ideas about the Plan.