



SECTION 3. PLANNING PROCESS

3.1 INTRODUCTION

This section includes a description of the planning process used to prepare the Dutchess County 2015 Hazard Mitigation Plan (HMP, also referred herein as the “Hazard Mitigation Plan” or the “plan”), including how it was prepared, who was involved in the process, and how the public was involved.

To ensure that the plan both met the requirements of the DMA 2000, as well as to support the long term goal of having all jurisdictions in the County covered under a comprehensive and cohesive county-wide DMA 2000 plan, an approach to the planning process and plan documentation was developed to achieve the following:

- The plan will be multi-jurisdictional, with the intention of including all municipalities in the county. Dutchess County invited all jurisdictions in the county to join with them in the planning process. To date, all local municipal governments in the county have participated in the 2015 planning process as indicated in Table 3-1.

Table 3-1. Participating Dutchess County Jurisdictions

Jurisdictions		
Dutchess County		
Town of Amenia	Town of Milan	Town of Red Hook
City of Beacon	Village of Millbrook	Village of Red Hook
Town of Beekman	Village of Millerton	Town of Rhinebeck
Town of Clinton	Town of North East	Village of Rhinebeck
Town of Dover	Town of Pawling	Town of Stanford
Town of East Fishkill	Village of Pawling	Village of Tivoli
Town of Fishkill	Town of Pine Plains	Town of Union Vale
Village of Fishkill	Town of Pleasant Valley	Town of Wappinger
Town of Hyde Park	City of Poughkeepsie	Village of Wappinger Falls
Town of LaGrange	Town of Poughkeepsie	Town of Washington

- The plan considers all natural hazards facing the area, thereby satisfying the natural hazards mitigation planning requirements specified in DMA 2000.
- The plan was developed following the process outlined by DMA 2000, FEMA regulations, and prevailing FEMA and NYS DHSES guidance. Following this process ensures that all the requirements are met and support Plan review. In addition, this Plan will meet criteria for the National Flood Insurance Program (NFIP) Community Rating System (CRS) and the Flood Mitigation Assistance (FMA) programs.

The Dutchess County HMP update was written using the best available information obtained from a wide variety of sources. Throughout the HMP update process, 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 Steering Committee solicited information from local agencies and individuals with specific knowledge of certain natural hazards and past historical events. In addition, the committees took into consideration planning and zoning codes, ordinances, and recent land use planning decisions. The hazard



mitigation strategies identified in this HMP have been developed through an extensive planning process involving local, county and regional agencies, residents, and stakeholders.

This section of the plan describes the mitigation planning process, including Organization of Planning Process; Planning Activities; Stakeholder Outreach and Involvement; Public Outreach; Integration of Existing Plans, studies, Reports and Technical Information; Integration with Existing Planning Mechanisms and Programs; and Continued Public Involvement.

3.2 ORGANIZATION OF PLANNING PROCESS

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 HMP.

3.2.1 Organization of Planning Partnership

Dutchess County applied for and was awarded a multi-jurisdictional planning grant under the Hazard Mitigation Grant Program (HMGP PL-4020-021), which has supported the development of this HMP.

Project management and grant administration has been the responsibility of the Dutchess County Department of Emergency Response. A contract planning consultant (Tetra Tech) was tasked with:

- Assisting with the organization of a Steering Committee and municipal planning partnership;
- Assisting with the development and implementation of a public and stakeholder outreach program;
- Data collection;
- Facilitation and attendance at meetings (Steering Committee, municipal, stakeholder, public and other);
- Review and update of the hazards of concern, and hazard profiling and risk assessment;
- Assistance with the review and update of mitigation planning goals and objectives;
- Assistance with the review of past mitigation strategies progress;
- Assistance with the screening of mitigation actions and the identification of appropriate actions;
- Assistance with the prioritization of mitigation actions; and
- Authoring of the draft and final plan documents.

In January/February 2015, the County notified all municipalities within the county of the pending planning process and invited them to formally participate. Jurisdictions were asked to formally notify the County of their intent to participate (via a Letter of Intent) and to identify planning points of contact to facilitate municipal participation and represent the interests of their respective communities.

To facilitate plan development, Dutchess County developed a Steering Committee to provide guidance and direction to the HMP update effort, and to ensure the resulting document will be embraced both politically and by the constituency within the planning area. All municipalities participating in the plan update authorized the Steering Committee to perform certain activities on their behalf, via the Letter of Intent to participate (FEMA mitigation planning “combination model”). Specifically, the Steering Committee was charged with:

- Providing guidance and oversight of 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:
 - Reviewing and updating the hazards of concern,
 - Developing a public and stakeholder outreach program,
 - Assuring that the data and information used in the plan update process is the best available



- Reviewing and updating the hazard mitigation goals,
- Identification and screening of appropriate mitigation strategies and activities; and
- Reviewing and commenting on plan documents prior to submission to NYS DHSES and FEMA.

The Steering Committee provided guidance and leadership, oversight of the planning process, and acted as the point of contact for all participating jurisdictions and the various interest groups in the planning area.

All municipalities in the County were invited to participate in the planning process, and received a copy of the Planning Partner Expectations, outlining the responsibilities of the participants and the agreement of the partners to authorize the Steering Committee to represent the jurisdiction in the completion of certain planning elements as noted above. Within this plan, the greater universe of County and local departments, agencies and jurisdictions that formally participated in the planning process are referred to as the “planning partnership”, while the municipal government participants are referred to as the “municipal planning partnership”.

The municipal planning partnership was charged with the following:

- Represent their jurisdiction throughout the planning process;
- Assure participation of all department and functions within their community that have a stake in mitigation (e.g., planning, engineering, code enforcement, police and emergency services, public works, etc.);
- Assist in gathering information for inclusion in the plan update, including the use of previously developed reports and data;
- Support and promote the public involvement process;
- Report on progress of mitigation actions identified in prior or existing HMPs, as applicable;
- Identify, develop and prioritize appropriate mitigation initiatives;
- Report on progress of integration of prior or existing HMPs into other planning processes and municipal operations;
- Develop and author a jurisdictional annex for their jurisdiction;
- Review, amend, and approve all sections of the plan update; and
- Adopt, implement and maintain the plan update.

Table 3-2 shows the current members of the planning partnership as of the time of publication of this plan update.

Table 3-2. Dutchess County Hazard Mitigation Planning Partnership Members

Organization	Name	Title	Primary POC	Secondary POC
Dutchess County Department of Emergency Response (DCDER)	Dana Smith	Commissioner	Steering Committee	
	William H. Beale	Asst. Emergency Response Coordinator	Steering Committee	
	Laurie Colgan	Confidential Assistant	Steering Committee	
	Cheryl Begor	Senior Program Assistant	Steering Committee	
Dutchess County GIS (of DCDER and DCDOH)	Larry Brody	GIS Technician	Steering Committee	
Dutchess County Department of Public Work (DCDPW)	Robert H. Balkind	Deputy Commissioner	Steering Committee	
	Eoin Wrafter	Commissioner	Steering Committee	



Organization	Name	Title	Primary POC	Secondary POC
Dutchess County Department of Planning and Development (DCDPD)	Ronald Hicks	Deputy Commissioner for Strategic Planning & Economic Development	Steering Committee	
Dutchess County Soil and Water Conservation District (DCSWCD)	Brian Scoralick	Acting Director	Steering Committee	
Town of Amenia	Victoria Perotti	Town Supervisor	X	-
	Stan Whitehead	Highway Superintendent	-	X
City of Beacon	Tim Dexter	Acting City Administrator/Building Inspector	X	-
	Anthony Thomaselli	Highway Superintendent	-	X
Town of Beekman	Barbara A. Zulauf	Supervisor	X	-
	Mike Moran		-	X
Town of Clinton	Ray Oberly	Town Supervisor	X	-
	Michael Appolonia	Councilperson, Deputy Town Supervisor	-	X
Town of Dover	Ryan Courtien	Town Supervisor	X	-
	Chris Galayda	Deputy Town Supervisor	-	X
Town of East Fishkill	Rick Witt		X	-
	John Hickman	Town Supervisor	-	X
Town of Fishkill	Glenn Scofield	Highway Superintendent	X	-
	Bob LaColla	Supervisor	-	X
Village of Fishkill	R. L. Wilson (Rad)	Emergency Response Coordinator	X	-
	Thomas VanTine	Code Enforcement Officer/NFIP FPA	-	X
Town of Hyde Park	Aileen Rohr	Supervisor	X	-
	Emily Svenson	Deputy Supervisor	-	X
Town of LaGrange	Alan Bell	Town Supervisor	X	-
	Wanda Livigni	Administrator of Planning & Public Works	-	X
Town of Milan	Roberta Egan	Deputy Supervisor	X	-
	William F. Gallagher	Town Supervisor	-	X
Village of Millbrook	Laura M. Hurley	Mayor	X	-
	Mike Herzog	Trustee	-	X
Village of Millerton	David Sherman	Trustee	X	-
			-	X
Town of North East	John Merwin	Supervisor	X	-
	George Kaye	Councilman	-	X
Town of Pawling	David P. Kelly	Town Supervisor	X	-
	Bill Johnson	Town Councilman	-	X
Village of Pawling	Robert Liffland	Mayor	X	-
	Dan Peters	Trustee	-	X
Town of Pine Plains	Brian Coons	Town Supervisor	X	-
	Rich Prentice	HMP Representative	-	X
Town of Pleasant Valley	Carol A. Campbell	Supervisor	X	-
	Mark Figliozi	Councilman	-	X
City of Poughkeepsie	Gary E. Beck, Jr.	Building Inspector	X	-
	Greg W. Bolner	City Engineer	-	X
Town of Poughkeepsie	Neil Wilson	Director of Municipal Dev	X	-
	Tom Wiacek	Building Dept.	-	X
Town of Red Hook	Vincent Coluccio	Chair, Disaster Preparedness Committee	X	-
	John Kuhn	Recreation Director	-	X
Village of Red Hook	Edward Blundell	Mayor	X	-
			-	X
Town of Rhinebeck	Elizabeth Spinzia	Town Supervisor	X	-



Organization	Name	Title	Primary POC	Secondary POC
	Henry Campbell	Emergency Management Coordinator	-	X
Village of Rhinebeck	Heath Tortarella	Mayor	X	-
	Howard Traudt	Deputy Mayor	-	X
Town of Stanford	Joseph M. Norton	Supervisor	X	-
	Mark D'Agostino	Town Councilman	-	X
Village of Tivoli	Joel Griffith	Mayor	X	-
	Robin Bruno	Deputy Mayor	-	X
Town of Union Vale	Lisette Hitsman	Town Supervisor	X	-
	John Welsh	Councilman	-	X
Town of Wappinger	Barbara Roberti	Zoning Administrator	X	-
	Susan Dao	Code Enforcement Officer	-	X
Village of Wappinger Falls	Matt Alexander	Mayor	X	-
	Scott Williams	Liaison to County HMP / Grant Writer	-	X
Town of Washington	Mary Alex	Town Clerk	X	-
	Jack Neubauer	Building Inspector	-	X

Notes: POC = Point of Contact; DC = Dutchess County
 *TBD = To Be Determined

It is noted that the jurisdictional 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. The various jurisdictions in Dutchess County have differing levels of capabilities and resources available to apply to the plan update process, and further, have differing exposure and vulnerability to the natural hazard risks being considered in this plan. It was Dutchess 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 update participation. Such accommodations have included the establishment of a Steering Committee, engaging a contract consultant to assume certain elements of the plan update process on behalf of the jurisdictions, and the provision of additional and alternative mechanisms to meet the purposes and intent of mitigation planning.

Ultimately, jurisdictional participation is evidenced by a completed annex of the HMP wherein jurisdictions have individually 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 hazard risk; and eventually, by the adoption of the updated plan via resolution. Refer to Section 9 of this HMP.

Appendix D identifies those individuals who represented the municipalities during this planning effort, and indicates how they contributed to the planning process.

It is noted that all municipalities in the county actively participate in the National Flood Insurance Program, and have a designated NFIP Floodplain Administrator (FPA). All FPAs have been informed of the planning process, reviewed the plan documents, and provided direct input to the plan update. Local FPAs are identified in the “Administrative and Technical” portion of the local Capability Assessments presented within the jurisdictional annexes in Section 9, as well as in Appendix D.

3.2.2 Planning Activities

Members of the planning partnership (individually and as a whole), as well as key stakeholders, convened and/or communicated regularly to share information and participate in workshops to identify hazards; assess risks; review existing inventories of and identify new critical facilities; assist in updating and developing new mitigation goals and strategies; and provide continuity through the process to ensure that natural hazards



vulnerability information and appropriate mitigation strategies were incorporated. All members of the planning partnership had the opportunity to review the draft plan and supported interaction with other stakeholders, and assisted with public involvement efforts.

A summary of planning partnership activities, including meetings held during the development of the plan, is included in Table 3-3. This summary table identifies only the formal meetings and milestone events held during the plan update process, and does not reflect the larger universe of planning activities conducted by individuals and groups throughout the planning process. In addition to these meetings, there was a great deal of communication between planning partnership members and the consultant through individual local meetings, phone and email.

After completion of the plan, implementation and ongoing maintenance will become a function of the planning partnership as described in Section 7. The planning partnership is responsible for reviewing the draft plan and soliciting public comment as part of an annual review and as part of the five-year mitigation plan updates.

Table 3-3 presents a summary of planning activities and general project planning efforts conducted during the plan development process. It also identifies which DMA 2000 requirements the activities satisfy. Documentation of meetings (agendas, sign-in sheets, minutes, etc.) may be found in Appendix B.

Table 3-3. Summary of Mitigation Planning Activities / Efforts

Date	DMA 2000 Requirement	Description of Activity	Participants
	1b, 2	County approves resolution to apply for FEMA mitigation planning grant	
	1b, 2	County conducts procurement process for contract planning support	
January 29, 2105	2	Project Start Up Meeting: Discuss proposed planning process and scope of work including documenting participation, schedule, and public and stakeholder outreach and involvement.	DC Project Management Team; Contract Planner. See Appendix B
January/February 2015	2	All municipalities invited to participate in the planning process.	DCDER, all municipal governments
Beginning in February 2015	1c, 2	Interested jurisdictions submit Letters of Intent to Participate in this planning process, acknowledging municipal participation requirements and identifying planning point(s) of contact.	Municipalities and DCDER
February 9, 2015	1b, 1c, 2, 3a, 3b, 3c, 4a, 5c	SC Meeting #1: Review project schedule; review municipal participation, discuss municipal Kick Off meeting and local data collection; review and discuss sources and availability of county and regional data; discuss public and stakeholder outreach efforts.	DC Steering Committee; Contract Planner. See Appendix B.
March 2, 2015	1b, 1c, 2, 3a, 3b, 3c, 4a	Municipal Kick-Off Meeting: Complete overview of planning process, plan participant expectations, review of hazards and hazards of concern identification, discussion of data needs and data collection process explaining all provided worksheets (hard copy and on resource CD), discussion of public and stakeholder outreach efforts	County and municipal representatives and stakeholders. See Appendix B
March 2, 2015	All requirements	SC Meeting #2: Update on jurisdictional Letters of Intent, discussion on project	DC Steering Committee; Contract Planner. See Appendix B.



Date	DMA 2000 Requirement	Description of Activity	Participants
		collaborative website access, status of meetings with local municipalities, participation by stakeholder group participants, and next steps.	
March 27, 2015	2	Public project website developed: http://dutchessmitigation.net	Steering Committee; Contract Planner; Public and Stakeholders
April 7, 2015	1b, 1c, 2, 3a-c, 3e	Local data collection support meeting with Amenia (T) and Dover (T)	See Appendix B
April 7, 2015	1b, 1c, 2, 3a-c, 3e	Local data collection support meeting with Beekman (T) and Pleasant Valley (T)	See Appendix B
April 14, 2015	1b, 1c, 2, 3a-c, 3e	Local data collection support meeting with Hyde Park (T), Wappinger (T) and Fishkill (T)	See Appendix B
April 14, 2015	1b, 1c, 2, 3a-c, 3e	Local data collection support meeting with Rhinebeck (T) and Tivoli (V)	See Appendix B
April 21, 2015	2	Online Public Hazard Preparedness and Mitigation Survey launched	Steering Committee; Contract Planner; Public and Stakeholders
April 21, 2015	2	Online Stakeholder Hazard Mitigation Surveys (8) launched	Steering Committee; Contract Planner; Public and Stakeholders
April 28, 2015	1b, 3 and 4 (all)	Wappinger Intermunicipal Council (WIC) Regular Meeting: Mitigation planning project presented to council to promote input to the plan.	Stakeholders and Public
May 4, 2015		SC Meeting #3: Meeting to work on County annex to plan.	DC Steering Committee; Contract Planner. See Appendix B.
May 13, 2015	1b, 1c, 2, 3a-c, 3e	Local data collection support meeting with Poughkeepsie (T)	See Appendix B
May 28, 2015	4b, 4c, 5b	FEMA Mitigation Workshop for all planning partners	Paul Hoole, FEMA Region II; Debra Dunbrook and Harry Bartik, NYSDHSES; all plan participants (see Appendix D)
June 4, 2015	1a, 1b	Public Safety Advisory Committee Meeting – Update of project presented to the Committee	Public Safety Advisory Committee of the DC Legislature; Steering Committee representatives
June 5, 2015	1b	County Communications Director distributes public press release	County Communications Director; general public
July 7, 2015	4c, 5b	NFIP, NFIP Reform and CRS Workshop for all plan participants	See Appendix B
July 17, 2015	1b, 3 and 4 (all)	Wappinger Intermunicipal Council (WIC) Regular Meeting: Mitigation planning project update presented to council to promote input to the plan.	Stakeholders and Public
July 31, 2015	1b, 1c, 2, 3a-c, 3e	Mitigation strategy development/annex completion meeting with the City of Poughkeepsie	See Appendix B
July 31, 2015	1b, 1c, 2, 3a-c, 3e	Mitigation strategy development/annex completion meeting with Town of East Fishkill	See Appendix B
August 2015	2	Draft Plan submitted to NYS DHSES	NYS DHSES
August 2015	2	Draft Plan posted to public project website	Public and Stakeholders
August 26, 2015	1b, 1c, 2, 3a-c, 3e	Mitigation strategy development/annex completion meeting with Hyde Park (T)	See Appendix B
August 26, 2015	1b, 1c, 2, 3a-c, 3e	Mitigation strategy development/annex completion meeting with LaGrange (T)	See Appendix B



Date	DMA 2000 Requirement	Description of Activity	Participants
June – November, 2015	4b, 4c, 5b	All jurisdictions update mitigation strategy, including project prioritization; and finalize jurisdictional annexes	All plan participants
December, 2015		Final plan submitted to NYS DHSES and FEMA Region II	NYS DHSES, FEMA Region II
Upon plan approval by FEMA	1a	Plan adoption by resolution by the governing bodies of all participating municipalities	All plan participants

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

3.3 STAKEHOLDER OUTREACH AND INVOLVEMENT

This section details the outreach to, and involvement of, the many agencies, departments, organizations, non-profits, districts, authorities and other entities that have a stake in managing hazard risk and mitigation, commonly referred to as “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 committees. Stakeholder outreach was performed early and 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 Committee. Information and input provided by these stakeholders has been included throughout this plan where appropriate, as identified in the references.

The following is a 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. This summary listing cannot represent the sum total of stakeholders that were aware of and/or contributed to this plan since formal and informal outreach efforts were utilized throughout the process by the many planning partners involved in the overall effort. Complete documentation of such broad-based and often locally-focused efforts is impossible. Instead, this summary is intended to demonstrate the scope and breadth of the stakeholder outreach efforts made during the planning process.

Federal Agencies

FEMA Region II: Provided updated planning guidance; provided summary and detailed NFIP data for planning area; attended meetings; conducted a Mitigation Strategy Workshop; conducted plan review.

State Agencies

New York State Department of Homeland Security and Emergency Services (NYS DHSES: Headquarters and Region I): Administered planning grant and facilitated FEMA review; provided updated planning





guidance; attended meetings and workshops (incl. mitigation strategy workshop); provided information on grant applications from County and municipalities; provided review of Draft and Final Plan.

New York State Department of Environmental Conservation (NYSDEC): Provided data and information. Attended and provided input at the July, 2015 Wappingers Intermunicipal Council (WIC) meeting.

New York State Department of Transportation (NYSDOT): Provided data and information, identified mitigation projects on state-owned infrastructure within the county.

County and Regional Agencies, Commissions and Non-Profits

Dutchess County Executive's Office: Attended meetings, provided input on planning process and supported public outreach.

Dutchess County Board of Legislators: Project presented to the Public Safety Committee of the Legislature; various Legislators and aides provided input and potential mitigation projects and initiatives.

Dutchess County Department of Emergency Response (DCDER): Secured and administered FEMA planning grant, managed project, arranged and attended meetings, served on Steering Committee, provided data and information, facilitated and supported public and stakeholder outreach, identified ongoing and potential mitigation projects and initiatives, reviewed draft and final plan sections.

Dutchess County Department of Planning (DCDP): Served on Steering Committee, provided critical data and information, reviewed progress on original mitigation strategy, identified new projects/initiatives, reviewed and provided input on draft and final plan sections.

Dutchess County Department of Public Works (DCDPW): Served on Steering Committee, provided critical data and information, reviewed progress on original mitigation strategy, identified new projects/initiatives, reviewed and provided input on draft and final plan sections.

Dutchess County GIS (with DCDER and DCDOH): Served on Steering Committee, provided critical data and information, reviewed progress on original mitigation strategy, identified new projects/initiatives, reviewed and provided input on draft and final plan sections.

Cornell Cooperative Extension of Dutchess County (CCEDC): Attended and provided input at the July, 2015 Wappingers Intermunicipal Council (WIC) meeting.

Scenic Hudson: Reviewed draft plan and provided extensive comments, particularly in the area of climate change and sea-level rise, which were incorporated in to the final plan.

Wappingers Intermunicipal Council (WIC): Provided data and information on watershed issues and vulnerabilities, attended and facilitated meetings, identified ongoing and potential mitigation projects and programs throughout the watershed.

Dutchess County Department of Health (DCDOH):

Regional and Local Stakeholders

Academia (School districts and other academic institutions): Many municipalities directly involved school district representatives in the planning process, as identified in Table 3-3 and Appendix C. All school districts, higher education and many technical/vocational institutions were provided the Academic Stakeholder survey



and invited to provide input, while some have identified specific mitigation actions/projects included in the County or local mitigation strategies. The following have provided direct input to the planning process:

- Bard College – Attended meetings, identified mitigation project(s)
- Marist College
- Vassar College
- Dutchess Community College
- Dutchess BOCES
- Wappingers Central School District – Included mitigation project

Law Enforcement: Many municipalities directly involved police and other law enforcement representatives in the planning process, as identified in Table 3-3 and Appendix C. Further, through the Sheriff's Office Captain, all police departments and law enforcement agencies in the County were notified of the Law Enforcement Stakeholder survey and invited to provide input, while some have identified specific mitigation actions/projects included in the County or local mitigation strategies. The following have provided direct input to the planning process:

- New York State Police – Completed surveys (multiple troops)
- Dutchess County Sheriff's Office- Completed survey
- New York State Park Police – Completed survey
- Town of Hyde Park Police Department – Completed survey
- Village of Rhinebeck Police Department – Completed survey
- City of Poughkeepsie Police Department – Completed survey

Fire Districts and Fire Departments: Many municipalities directly involved fire district/department representatives in the planning process, as identified in Table 3-3 and Appendix C. Further, the County Fire Coordinator advised all Fire Districts and Fire Departments of the Fire Fighting survey and invited them to provide input. The following have provided input to the planning process:

- Houghsonville Fire Department (Town of Wappinger) – Completed survey
- Millbrook Fire Department – Completed survey
- Amenia Fire Company – Completed survey
- Roosevelt Fire District (Town of Hyde Park) – Completed survey
- Hyde Park Fire Department – Completed survey
- East Fishkill Fire District – Completed survey
- City of Beacon – Completed surveys
- Glenham Fire District – Completed survey
- Fairview Fire District – Completed survey
- New Hackensack – Completed survey

Hospitals and Health-Care Facilities: Hospitals and health-care facilities in the county were provided the Hospitals and Health-Care Stakeholder survey and invited to provide input. The following have provided input to the planning process:

- Health Quest Systems, Inc. – Identified mitigation strategies for facilities in Dutchess County, included in plan.

Ambulance/Emergency Medical Services: All ambulance and emergency medical service providers in the County were provided the Ambulance/Emergency Medical Services stakeholder survey and invited to provide



input, while some have identified specific mitigation actions/projects included in the County or local mitigation strategies. The following have provided input to the planning process:

- East Fishkill Fire District – Completed survey
- TransCare (covers many municipalities within the County) – Completed survey
- LaGrange Fire District – Completed survey

Highway and Public Works: All county and local highway and public works departments were advised of the Highway and Public Works Stakeholder Survey and encouraged to provide input. The following provided responses, which include identifying specific vulnerabilities and mitigation projects which have been included in the County and local annexes as appropriate:

- Town of Clinton Highway Department - Completed survey
- Town of Union Vale – Completed survey
- Town of Pawling Highway Department – Completed survey
- Town of Red Hook – Completed survey
- Town of Stanford Highway Department– Completed survey
- Town of Fishkill – Completed survey
- Village of Rhinebeck – Completed survey
- Town of Rhinebeck Highway Department– Completed survey
- Dutchess County DPW – Completed survey

Private Non-Profit Organizations: The following private non-profit organizations have provided input to the planning process:

- **Scenic Hudson:** Reviewed draft plan and provided extensive comments, particularly in the area of climate change and sea-level rise, which were incorporated in to the final plan.
- **Wappingers Intermunicipal Council (WIC):** Provided data and information on watershed issues and vulnerabilities, attended meetings, identified ongoing and potential mitigation projects and programs throughout the watershed.
- **Family Services, Inc.** – Identified mitigation action, included in plan.

Utilities

Dutchess County Water and Wastewater Authority: Included mitigation projects.

Poughkeepsie Joint Water Pollution Control Plant: Included mitigation project.

Other

Endeavor Municipal Development, Inc.: Provides grant application support to Dutchess communities. Provided review and updates to mitigation projects identified in this update.

Adjacent Counties:

The County has made an effort to keep surrounding counties and municipalities apprised of the project, and allowed the opportunity to provide input to this planning process. Specifically, the following adjoining and nearby County representatives were contacted in August 2015 to inform them about the availability of the project



website, draft plan documents and surveys, and invited to provide input to the planning process via an online plan review survey:

- Columbia County (NY) Emergency Management
 - William Black, Director: bblack@sfl.net
 - Captain Tom Lanphear: thom.lanphear@columbiacountysheriff.us
- Orange County (NY) Emergency Services
 - Craig W. Cherry, Commissioner: ccherry@orangecountygov.com
 - Shannon Fisher: SFisher@co.orange.ny.us
- Rockland County (NY) Emergency Management
 - Daniel Greeley, Assistant Director: GreeleyD@co.rockland.ny.us
 - Christopher Jensen, Hazardous Materials Coordinator: JensenC@co.rockland.ny.us
- Putnam County (NY) Bureau of Emergency Services
 - Anthony Sutton, Commissioner: Anthony.Sutton@putnamcountyny.gov
 - Bob Lipton, Deputy Commissioner: Robert.Lipton@putnamcountyny.gov
- Ulster County (NY) Emergency Management
 - Steve Peterson, Director: spet@co.ulster.ny.us
 - Michael Gaffney: mgaf@co.ulster.ny.us
- Westchester County (NY) Department of Emergency Services – Office of Emergency Management
 - Dennis Delborgo, Director: drd2@westchestergov.com
 - Daniel Olmoz, Program Specialists: dno1@westchestergov.com
- Fairfield County (CT) Office of Emergency Manager: Region 5
 - Thomas Vannini, Region 5 Coordinator: thomas.vannini@ct.gov
- Berkshire County (MA)
 - Patrick Carnevale, Region 3 and 4 Manager: Patrick.Carnevale@massmail.state.ma.us

Chris Jensen of the Rockland County Office of Emergency Management submitted review comments via the online survey tool, which were limited to “*I performed a cursory review of the draft plan. The information contained in the plan appear to be clear and concise. The document was easy to navigate.*” While no other specific comments on the draft plan were received from these counties, Putnam and Westchester counties intend to have a meeting along with Dutchess County to discuss mutual concerns and interests in regional hazard mitigation planning and plan implementation coordination.

3.3.1 Public Outreach

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

- A public project website was developed and is being maintained to facilitate communication between the Steering Committee, planning partnership, public and stakeholders (<http://dutchessmitigation.net>). The public website contains a project overview, County and local contact information, access to the citizen's survey and various stakeholder surveys, and sections of the HMP for public review and comment (see Figure 3-1).

Visibility for the project website has been facilitated through announcements on the County website homepage, links from the Dutchess County Emergency Response homepage, as well as being identified at County and local stakeholder meetings.



Figure 3-1. Dutchess County HMP Webpage

The screenshot shows the Dutchessny.GOV website. The header includes the logo and navigation links for County Government, Municipalities, Schools, and Business & Community. A search bar is located in the top right. The main content area is titled 'Dutchess County Hazard Mitigation Plan' and is managed by the Emergency Response department, led by Dana Smith, Commissioner. The page includes a 'Background' section with the following text:

The Dutchess County Department of Emergency Response is leading a project to develop a County-Wide Hazard Mitigation Plan (HMP). All municipalities have committed to participating in this planning project, which is anticipated to be completed by the end of 2015.

The creation of these plans will help the area to better prepare for, respond to and recover from hazard events and disasters, and allow the County and municipalities to maintain their eligibility for federal mitigation grant funding from the New York State Department of Homeland Security and Emergency Services (NYS DHSSES) and Federal Emergency Management Agency (FEMA). This is an opportunity for the County and municipalities to create a detailed plan that will address a variety of potential hazards that could affect our residents, businesses and other institutions.

The goal of the HMP is to identify projects that can reduce damages from future natural hazards. The plan will include a risk assessment and a hazard-mitigation strategy. This plan will address the County and municipality's risk to flooding, severe storms, severe winter storms, extreme temperatures, wildfires and other natural hazards. Mitigation projects and initiatives will be identified to address these risks to both public and private property.

The public and local and regional stakeholders are encouraged to provide input to the planning process. Dutchess County residents are encouraged to take our online Citizen Hazard Preparedness and Mitigation Survey.

If you represent any of the following stakeholder groups, please complete an online mitigation survey targeted to your area by clicking one of the links below:

- Public
- Police
- Fire
- EMS
- Hospital/Healthcare
- Academia
- Utility

- An on-line natural hazards preparedness citizen survey was developed to gauge household preparedness that may impact Dutchess County and to assess the level of knowledge of tools and techniques to assist in reducing risk and loss of those hazards (<https://www.surveymonkey.com/r/2N35G7N>). The questionnaire asks quantifiable questions about citizen perception of risk, knowledge of mitigation, and support of community programs. The questionnaire also asks several demographic questions to help analyze trends.
- The questionnaire has been available on the public website since April 2015, and further advertised on the County website. Further all participating municipalities have been requested to advertise the availability of the survey via local homepage links, and other available public announcement methods (e.g. Facebook, Twitter, email blasts, etc.) Response rates to date are considered good. A summary of survey results is provided in Appendix C of this plan.



- All participating municipalities have been encouraged to distribute press releases on the project, including links to the project webpage and citizen and stakeholder surveys. In addition, all participating municipalities have been requested to advertise the availability of the project website via local homepage links, and other available public announcement methods (e.g. Facebook, Twitter, email blasts, etc.)
- Starting in June 2015, draft sections of the plan have been posted on the project website for public review and comment. The County Communications Director distributed a press release advertising the project website and the availability of the draft plan for review and comment. An online comment form (survey) was provided along with the draft plan sections to support the receipt and processing of public comment.
- To inform the public and county agencies of the ongoing plan update effort, updates regarding the mitigation planning process have been made at County-wide meetings including the Public Safety Advisory Committee of the DC Legislature in June 2015.
- Once submitted to NYS DHSES/FEMA, the Final Plan will be available for public review and comment in the same manner and format as the Draft Plan, as well as in hard-copy format at the following as identified in Section 7, “Plan Maintenance”.

3.4 INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The Dutchess County plan strives to use the best available technical information, plans, studies and reports throughout the planning process to support hazard profiling; risk and vulnerability assessment; review and evaluation of mitigation capabilities; and the identification, development and prioritization of County and local mitigation strategies.

The asset and inventory data used for the risk and vulnerability assessments is presented in the County Profile (Section 4). Details of the source of this data, along with technical information on how the data was used to develop the risk and vulnerability assessment, is presented in the Hazard Profiling and Risk Assessment Section (Section 5), specifically within Section 5.3 (Data and Methodology), as well as throughout the hazard profiles in Section 5.4. Further, the source of technical data and information used may be found within the References section.

Plans, reports and other technical information were identified and provided directly by the County, participating jurisdictions and numerous stakeholders involved in the planning effort, as well as through independent research by the planning consultant. The County and participating jurisdictions were tasked with updating the inventory of their Planning and Regulatory capabilities (see Capability Assessment section of each jurisdictional annex in Section 9), and providing relevant planning and regulatory documents as applicable. Relevant documents, including plans, reports, and ordinances were reviewed to identify:

- Existing municipal capabilities;
- Needs and opportunities to develop or enhance capabilities, which may be identified within the County or local mitigation strategies;
- Mitigation-related goals or objectives, considered in the review and update of the overall Goals [and Objectives] (see Section 6);
- Proposed, in-progress, or potential mitigation projects, actions and initiatives to be incorporated into the updated County and local mitigation strategies.



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

- Comprehensive/Master Plans
- Building Codes
- Zoning and Subdivision Ordinances
- NFIP Flood Damage Prevention Ordinances
- Site Plan Requirements
- Local Waterfront Revitalization Plans
- Stormwater Management Plans
- Emergency Management and Response Plans
- Land Use and Open Space Plans
- Capital Plans
- New York State Standard Multi-Hazard Mitigation Plan, 2013

A partial listing of the plans, reports and technical documents reviewed in the preparation of this plan is included in Table 3-4.

Table 3-4. Record Review (Municipalities) - Record of the review of existing programs, policies, and technical documents for participating jurisdictions (all)

Existing plan, program or technical documents	Date	Jurisdictional Applicability
Comprehensive Plan Update, Town of Amenia, NY	2007	Town of Amenia
Amenia Hamlet Concept Plan	2008	Town of Amenia
Comprehensive Plan and Draft Generic Environmental Impact Statement, City of Beacon, New York	2007	City of Beacon
MS4 Annual Report, City of Beacon , NY	2014, 2013, 2012	City of Beacon
Town of Beekman Comprehensive Plan	2011	Town of Beekman
Town of Clinton Comprehensive Plan	2012	Town of Clinton
Town of Clinton Significant Habitats Report	2012	Town of Clinton
Town of Dover Master Plan	1993	Town of Dover
Dutchess County Agricultural and Farmland Protection Plan	2015	Dutchess County
Dutchess County Greenway Connections Plan	2014	Dutchess County
Dutchess County 2014 Capital Improvement Program	2014	Dutchess County
2014 Dutchess County Annual Action Plan	2014	Dutchess County
2013 Major Projects Report	2013	Dutchess County
NYSDEC Letter re: Lake Sekunna Dam	2012	Dutchess County
Flood insurance Study	2012	Dutchess County
Northern and Eastern Dutchess County Communities Regional Natural Hazard Mitigation Plan	2010	Dutchess County
Health of the Casperkill, Dutchess County, New York	2009	Dutchess County
Recommendations for Stream & Flood Management in Dutchess County	2008	Dutchess County
Dutchess County Hazard Mitigation Plan	2006	Dutchess County
Natural Resources Management Plan For The Fishkill Creek Watershed	2005	Dutchess County



Existing plan, program or technical documents	Date	Jurisdictional Applicability
Smart Growth Housing Task Force Report	2001	Dutchess County
DMA 2000 Hazard Mitigation Plan Update – Town of East Fishkill, New York	2013	Town of East Fishkill
MS4 Annual Report, East Fishkill	2013	Town of East Fishkill
Master Plan, Town of East Fishkill	2002	Town of East Fishkill
Town of Fishkill Comprehensive Plan	2009	Town of Fishkill
Village of Fishkill, Comprehensive Plan	2013	Village of Fishkill
Village of Fishkill, Comprehensive Plan	2009	Village of Fishkill
Town of Hyde Park Comprehensive Emergency Management Plan	2013	Town of Hyde Park
The Comprehensive Plan of the Town of Hyde Park	2005	Town of Hyde Park
Stormwater Management Program 2013 Annual Report	2013	Town of LaGrange
Village of Millbrook Master Plan	1985	Village of Millbrook
Town of Pawling Comprehensive Plan Update	2012	Town of Pawling
Village of Pawling Comprehensive Plan	1994	village of Pawling
Pine Plains Zoning Law and Map Final Generic Environmental Impact Statement(FGEIS)	2009	Town of Pine Plains
Town of Pine Plains Comprehensive Plan	2004	Town of Pine Plains
Town of Pleasant Valley 2013 Open Space and Farmland Plan	2013	Town of Pleasant Valley
Town of Pleasant Valley Comprehensive Plan	2009	Town of Pleasant Valley
Poughkeepsie City Center Revitalization Plan	2014	City of Poughkeepsie
City of Poughkeepsie Waterfront Redevelopment Strategy	2014	City of Poughkeepsie
2014 City of Poughkeepsie Annual Action Plan	2014	City of Poughkeepsie
The City of Poughkeepsie, NY Capital Plan 2015-2019	2014	City of Poughkeepsie
City of Poughkeepsie 2012 Community Development Block Grant Draft Consolidated Annual Performance and Evaluation Report	2013	City of Poughkeepsie
City of Poughkeepsie 2013-2017 Consolidated Plan Strategic Plan	2012	City of Poughkeepsie
City of Poughkeepsie Comprehensive Plan	1998	City of Poughkeepsie
Map, Plan and Report for Country Club Estates Sewer District Connection to Arlington Sewage District Town of Poughkeepsie	2014	Town of Poughkeepsie
Poughkeepsie Town Plan and Final Generic Environmental Impact Statement	2007	Town of Poughkeepsie
Town of Poughkeepsie Comprehensive Emergency management Plan	2007	Town of Poughkeepsie
Energy and Climate Action Plan for The Town and Villages of Red Hook and Tivoli, NY	2012	Town of Red Hook, Village of Red Hook, and Village of Tivoli
Town of Red Hook Community Preservation Project Plan	2011	Town of Red Hook
Town of Red Hook Siting Guidelines	2009	Town of Red Hook
Town of Red Hook Open Space Plan	2006	Town of Red Hook, Village of Red Hook, and Village of Tivoli
Village of Red Hook Pattern Book and Architectural Guidelines	2013	Village of Red Hook
Worth Walking, Rhinebeck Village Pedestrian Task Force	2001	Village of Rhinebeck
The Rhinebeck Plan, Town of Rhinebeck Comprehensive Plan	2009	Town of Rhinebeck
Zoning Law, Town Board of the Town of Rhinebeck	2009	Town of Rhinebeck
Wetlands Law, Town of Rhinebeck	2009	Town of Rhinebeck



Existing plan, program or technical documents	Date	Jurisdictional Applicability
Subdivision Law, Town of Rhinebeck	2009	Town of Rhinebeck
Town of Rhinebeck LWRP	2009	Town of Rhinebeck
Rhinebeck Village Worth Walking	2011	Village of Rhinebeck
Town of Stanford Master Plan Update	2008	Town of Stanford
Town of Stanford Significant Habitats Report	2005	Town of Stanford
Implementing Stanford's Master Plan: A Diagnostic Report	2002	Town of Stanford
Water Supply Protection Plan Town of Stanford	2000	Town of Stanford
Groundwater Resources Study Town of Stanford	2000	Town of Stanford
Waterfront Visioning Guidelines Village of Tivoli	2010	Village of Tivoli
Village of Tivoli Pattern Book	2010	Village of Tivoli
Village of Tivoli Water System 2013 Annual Drinking Water Quality Report	2013	Village of Tivoli
Union Vale Master Plan	2001	Town of Union Vale
Comprehensive Plan Town of Wappinger	2010	Town of Wappinger
Village of Wappingers Falls Smart Code	2013	Village of Wappingers Falls
Village of Wappingers Falls Comprehensive Plan	2001	Village of Wappingers Falls
Capital Infrastructure Plan, Organizing the Villages Infrastructural Needs	2010	Village of Wappingers Falls
Wappingers Falls Action Plan	Date needed	Village of Wappingers Falls
Wappingers Falls Vision Plan	Date needed	Village of Wappingers Falls
Town of Washington Comprehensive Plan	2012	Town of Washington
Town of Washington Environmental Resources Section	2012	Town of Washington

Notes:

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



3.5 INTEGRATION WITH EXISTING PLANNING MECHANISMS AND PROGRAMS

Effective mitigation is achieved when hazard awareness and risk management approaches and strategies become an integral part of public activities and decision-making. Within the county there are many existing plans and programs that support hazard risk management, and thus it is critical that this hazard mitigation plan integrate and coordinate with, and complement, those existing plans and programs.

The “Capability Assessment” section of Chapter 6 (Mitigation Strategy) provides a summary and description of the existing plans, programs and regulatory mechanisms at all levels of government (Federal, State, County and local) that support hazard mitigation within the county. Within each jurisdictional annex in Chapter 9, the County and each participating jurisdiction have identified how they have integrated hazard risk management into their existing planning, regulatory and operational/administrative framework (“integration capabilities”) and how they intend to promote this integration (“integration actions”).

A further summary of these continued efforts to develop and promote a comprehensive and holistic approach to hazard risk management and mitigation is presented in Section 7.

3.6 CONTINUED PUBLIC INVOLVEMENT

Dutchess County and participating jurisdictions are committed to the continued involvement of the public in the hazard mitigation process. This Plan update will be posted on-line (currently at <http://dutchessmitigation.net>), and municipalities will be encouraged to maintain links to the plan website. Further, the County will make hard copies of the Plan available for review at public locations as identified on the public plan website.

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 (currently <http://dutchessmitigation.net>).

Each jurisdiction’s governing body 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 next five-year mitigation plan update. The HMP Coordinator (currently Mr. William Beale of DCDER) 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.

After completion of this plan, implementation and ongoing maintenance will continue to be 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 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.



Mr. William Beale of DCDER has been identified as the ongoing Dutchess County Hazard Mitigation Plan Coordinator (see Section 7), and is responsible for receiving, tracking, and filing public comments regarding this plan. Contact information is:

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392 Creek Road
Poughkeepsie, NY 12601

Contact Name: Mr. William Beale

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