

SECTION 3. PLANNING PROCESS

3.1 INTRODUCTION

This section includes a description of the planning process used to update the October 2010 “Rockland County Multi-Jurisdictional Natural 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 requirements of the DMA 2000, as well as to assure that the planning process would have the broad and effective support of the participating jurisdictions, regional and local stakeholders and the public, 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. Rockland County invited all jurisdictions to join with them in the planning process. To date, all local municipal governments in the County have participated in the 2016-2018 planning process as indicated in Table 3-1.

Table 3-1. Participating Rockland County Jurisdictions

Jurisdictions		
Rockland County		
Airmont (Village)	Montebello (Village)	South Nyack (Village)
Chestnut Ridge (Village)	New Hempstead (Village)	Spring Valley (Village)
Clarkstown (Town)	New Square (Village)	Stony Point (Town)
Grand View on Hudson (Village)	Nyack (Village)	Suffern (Village)
Haverstraw (Town)	Orangetown (Town)	Town of Ramapo (Town)
Haverstraw (Village)	Piermont (Village)	Upper Nyack (Village)
Hillburn (Village)	Pomona (Village)	Wesley Hills (Village)
Kaser (Village)	Sloatsburg (Village)	West Haverstraw (Village)

- The plan will consider all natural hazards facing the area, thereby satisfying the natural hazards mitigation planning requirements specified in DMA 2000.
- The plan will be developed following the process outlined by the DMA 2000, FEMA regulations, prevailing FEMA guidance and the 2014 NYS DHSES hazard mitigation planning standard. Following this process ensures that all the requirements are met and support HMP review.

The Rockland 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 Steering and Planning Committees took into consideration planning and zoning codes, ordinances, and recent land use planning decisions. The hazard mitigation strategies identified in this HMP update 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 (1) Organization of the Planning Process; (2) Stakeholder Outreach and Involvement; (3) Integration of Existing Data, Plans, and Technical Information; (4) Integration with Existing Planning Mechanisms and Programs; and (5) Continued Public Involvement.

3.2 ORGANIZATION OF THE 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 update.

3.2.1 Organization of Planning Partnership

Rockland County applied for and was awarded a multi-jurisdictional planning grant under the FEMA Pre-Disaster Mitigation program (PDMC PL-NY-2014-002), which has supported the development of this HMP.

Project management and grant administration has been the responsibility of the Rockland County Office of Fire and Emergency Services. A contract planning consultant (Tetra Tech, Inc.) was selected to guide the County and participating jurisdictions through the HMP update process. A contract between Tetra Tech Inc. (Tetra Tech) and Rockland County was executed in October 2016. Specifically Tetra Tech, the “contract consultant”, was tasked with:

- Assisting with the organization of a Steering and Planning Committee;
- Assisting with the development and implementation of a public and stakeholder outreach program;
- Data collection;
- Facilitation and attendance at meetings (Steering Committee, Planning Committee, municipal, stakeholder, public and other);
- Review and update of the hazards of concern, 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 August 2016, 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 to Participate) and to identify planning points of contact to facilitate municipal participation and represent the interests of their respective communities. Completed Letters of Intent to Participate are provided as Appendix D, as available.

To facilitate plan development, Rockland 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 (refer to Table 3-2). 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.

Each municipality 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. Table 3-2 lists the current municipal members of the Planning Committee at the time of this HMP’s publication. Please note that the Steering Committee members are also part of the overall project Planning Committee, fulfilling these responsibilities on behalf of Hunterdon County. This ‘planning partnership’ (Steering and Planning Committees) were charged with the following:

- Represent their jurisdiction throughout the planning process;
- Assure participation of all department and functions within their jurisdiction 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 HMP 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. Rockland County Hazard Mitigation Planning Partnership Members

Organization	Name	Title	Primary POC	Secondary POC
Rockland County Department of Fire and Emergency Services	Christopher Jensen	Hazardous Materials Coordinator	Steering Committee	
	Nancy Baker	Communications Specialist	Steering Committee	
Rockland County Planning Department	Douglas Schuetz	Acting Commissioner	Steering Committee	
	Scott Lounsbury	Geographic Information Systems	Steering Committee	
Rockland County Division of Environmental Resources (DER)	R. Allan Beers	Coordinator, Environmental Resources Executive Director, Rockland County Soil and Water Conservation District	Steering Committee	
Rockland County Drainage Agency	Vincent Altieri, Esq.	Executive Director	Steering Committee	

Organization	Name	Title	Primary POC	Secondary POC
Rockland County Highway Department – Engineering Division	Andrew M. Connors, PE	Deputy Superintendent of Highways; Construction Manager	Steering Committee	
Village of Airmont	Eve Mancuso	Village Engineer	X	
	Philip Gigante	Mayor		X
Village of Chestnut Ridge	Martin Spence	Village Engineer	X	
	Russell Gliniecki	Building Inspector		X
Town of Clarkstown	James McCormick	Sergeant Police Department	X and Steering Committee	
	Vincent Balascio	Director of Finance/Supervisors Office		X
Village of Grand View-on-Hudson	Julie Pagliareli	Village Clerk	X	
	Joseph Knizeski	Building Inspector/Code Enforcement		X
Town of Haverstraw	Jerry Knapp	Firefighter/EMT	X	
	George E. Wargo, Jr.	Superintendent of Highway		X
Village of Haverstraw	Michael Kohut	Mayor	X	
	Patrick McNamee	Fire Inspector		X
Village of Hillburn	Craig Flanagan	Mayor	X	
	Bonnie O’Blenis	Deputy Mayor		X
Village of Kaser	Binyomin Mermelstein	Deputy Clerk	X	
	Allie Pinkasovits	Clerk/Treasurer		X
Village of Montebello	Martin Spence	Village Engineer	X	
	Lance M. Millman	Village Mayor		X
Village of New Hempstead	Fred Brinn	Mayor	X	
	Carole Vasquez	Village Clerk		X
Village of New Square	David Breuer	Municipal Clerk	X	
	Aaron Kaff	Director of Emergency Services		X
Village of Nyack	James Politi	Village Administrator	X	
	Jonathan Abrams	DPW Foreman		X
Town of Orangetown	James Dean	Superintendent/Highway Department	X	
	Stephen Munno	Administrative Assistance/Highway Department		X
Village of Piermont	Lisa DeFeciani	Trustee, Committee Member	X	
	Jennifer DeYorgi	Village Clerk – Treasurer		X
Village of Pomona	Frances Arsa Artha	Clerk	X	
	Brett Yagel,	Mayor		X
Town of Ramapo	Tom Sullivan	Land Acquisition Agent	X	
	Lee Derario	Director of Municipal Development & Property		X
Village of Sloatsburg	Carl Wright	Mayor	X	
	John Bonkoski	Trustee		X
Village of South Nyack	James Johnson	DPW Superintendent	X	
	Alain Leinbach	Deputy Mayor		X
Village of Spring Valley	Matthew Jones	Department of Community Development	X	

Organization	Name	Title	Primary POC	Secondary POC
	Robert Johnson	Acting Superintendent of DPW		X
Town of Stony Point	Jim Monaghan	Supervisor	X	
	William Sheehan	Building Inspector, FPA		X
Village of Suffern	Charles W. Sawicki	Director of Public Works, FPA	X and Steering Committee	
	Joseph Hunt	TBD		X
Village of Upper Nyack	Carol G. Brotherhood	Village Clerk	X	
	Jeffrey S. Hindin	Mayor		X
Village of Wesley Hills	Camille Guido-Downey, RMC	Village Clerk	X	
	Liz Mello	Village Engineer		X
Village of West Haverstraw	Ralph W. Kirschkel	Trustee/Emergency Services	X	
	Jay Barry	Superintendent of Highways		X

Notes: POC = Point of Contact; FPA = Floodplain Administrator; *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. It is recognized that the jurisdictions in Rockland 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 Rockland 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 municipal annex to the HMP (Section 9) 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.

Appendix D, “Participation Matrix”, 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 “Points of Contact” and “Administrative and Technical” portions of the jurisdictional annexes in Section 9.

3.2.2 Planning Activities

Members of the municipal and county 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 Steering and Planning Committees had the opportunity to review the draft plan and supported interaction with other stakeholders, and assisted with public involvement efforts.

A summary of Planning and Steering Committee meetings held and key milestones met during the development of the HMP update is included in Table 3-3. 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 identifies only the formal meetings held during plan development, and does not reflect the planning activities conducted by individuals and groups throughout the planning process. In addition to these meetings there was a great deal of communication between the County, Planning Committee members and the contract consultant through individual local meetings, electronic mail (email), and by phone.

After completion of the HMP update, implementation and ongoing maintenance will become a function of the planning partnership (Steering and Planning Committees) as described in Section 7. The planning partnership is responsible for reviewing the HMP, soliciting and considering public comment as part of the five year mitigation plan update.

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

Date	DMA 2000 Requirement	Description of Activity	Participants
August 2015	1b, 2	Rockland County awarded PDM FY2014 Planning grant	Rockland County Department of Fire and Emergency Services
January 2016	1b, 2	Rockland County conducts procurement process for contract planning support	Rockland County Division of Purchasing
August 2016	2	All municipalities invited to participate in the planning process.	Rockland County Department of Fire and Emergency Services, all municipal governments
August 18, 2016	1b, 1c, 2, 3a, 3b, 3c, 4a, 5c	<u>Project Kick-Off Meeting with Rockland County:</u> Discuss proposed planning process and scope of work including documenting participation, schedule, and public and stakeholder outreach and involvement. Review municipal participation, discuss municipal Kick Off meeting and local data collection; review and discuss sources and availability of local and regional data.	Rockland County Project Management Team; Contract Planner. See Appendix B
September 2016	1c, 2	Interested jurisdictions begin to submit Letters of Intent to Participate in this planning process, acknowledging municipal participation requirements and identifying planning point(s) of contact.	Rockland County Department of Fire and Emergency Services, all municipal governments
September 21, 2016	1b, 1c, 2, 3a, 3b, 3c, 4a	<u>Municipal Kick-Off Meeting:</u> 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	Rockland County Project Management Team and Steering Committee; Municipal representatives and stakeholders. See Appendix B
September 2016	2	<u>Public Outreach Strategy Launched:</u> <ul style="list-style-type: none"> • Online Citizen Hazard Preparedness and Mitigation Survey • Online Stakeholder Hazard Mitigation Surveys (9) launched • Public project website launched: http://www.rocklandhmp.com/Pages/default.aspx 	Steering Committee; Contract Planner; Public and Stakeholders
October 13, 2016	1b, 2, 3 (all), 4a, 4b, 5c	<u>Steering Committee Meeting:</u> Review/finalize hazards of concern; review/update goals and objectives; continue to review public and	Steering Committee. See Appendix B.

Date	DMA 2000 Requirement	Description of Activity	Participants
		stakeholder outreach efforts; review municipal progress and schedule; initiate County annex development.	
October 2016 through February 2017	1b, 1c, 2, 3a-c, 3e	Individual support meetings with municipalities (in-person or webinar) to assist with annex development (risk, capabilities, previous mitigation strategy, updated mitigation strategy)	See Appendix B
November 15, 2016	1b, 2, 3a-c, 3e	<u>Stormwater Consortium of Rockland County Meeting</u> : Consultant attended to solicit stakeholder participation and coordinate efforts for the HMP update	See Appendix B
January 24, 2017	4b	<u>Steering Committee Meeting</u> : Continued development on the Rockland County mitigation strategy and annex development; discuss municipal participation and annex status; review schedule.	See Appendix B
Week of February 6, 2017	4b, 4c, 5b	All municipalities provided draft annexes and stakeholder survey responses to date as resources to review and prepare for the scheduled FEMA Mitigation Strategy Workshop.	All Municipal Planning Partners
February 16, 2017	4b, 4c, 5b	<u>FEMA Mitigation Workshop</u> : Mitigation Strategy workshop for all planning partners.	Paul Hoole, FEMA Region II; all plan participants (see Appendix D)
May 24, 2017	4b, 5a, 5b, 5c	<u>Rockland County Project Management Team Meeting</u> : Discuss plan status including municipal participation and needs, and plan maintenance	Tetra Tech; Rockland County Office of Fire and Emergency Services
June 27, 2017	2, 3c, 3d, 4a, 4b, 5a, 5b, 5c	<u>Steering Committee Meeting</u> : Discuss NYS DHSES requirements; finalize objectives; finalize plan maintenance; finalize County mitigation strategy and annex.	See Appendix B
June/July 2017	1b	Draft sections of the HMP posted to project website (as available) for public review in early June 2017; full draft posted July 20, 2017.	Public and all plan participants
August 2017	2	HMP submitted to NYS DHSES and FEMA Region II	NYS DHSES and FEMA Region II
Upon plan approval by FEMA	1a	HMP adoption by resolution by the governing bodies of the County and 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. Information and input provided by these stakeholders has been included throughout this HMP update 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. This summary discusses the various stakeholders that were invited to participate in the development of this HMP update, and how these stakeholders participated and contributed to the HMP. It should be noted that this summary listing cannot possibly represent the sum total of stakeholders that were aware of and/or contributed to this HMP update, 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. Instead, this summary is intended to demonstrate the scope and breadth of the stakeholder outreach efforts made during the plan update 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 in February 2017; provided information on grant applications from County and municipalities; conducted plan review.

Information regarding hazard identification and the risk assessment for this HMP update was also requested and received or incorporated by reference from the following agencies and organizations:

- National Climatic Data Center (NCDC)
- National Hurricane Center (NHC)
- National Oceanic and Atmospheric Administration (NOAA)
- National Weather Service (NWS)
- Storm Prediction Center (SPC)
- U.S. Army Corps of Engineers (USACE)
- U.S. Census Bureau

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; provided review of draft and final HMP.

New York State Department of Environmental Conservation (NYSDEC): Provided data and information; supported the identification of mitigation projects (e.g. Stony Point Culvert Prioritization).

Rockland County Departments

Several County departments were represented on the Steering Committee and involved in the HMP update planning process. Please see Appendix D (Participation Matrix) for further details regarding regional and local stakeholder agencies. All responses to the stakeholder surveys may be found in Appendix C.

Rockland County Office of Fire and Emergency Services (OFES): The Rockland County OFES coordinated the development of the HMP update reaching out to all municipalities and County departments to solicit involvement in the planning process. The Rockland County OFES Program Director has been identified as the

ongoing Rockland County Hazard Mitigation Plan Coordinator (see Section 7) and served in this role throughout the update planning process. In addition to the Program Director, individuals from the Rockland County OFES served as the Project Management Team noted throughout the plan as well. The Rockland County OFES HMP Coordinator ensured broad outreach and involvement from numerous Rockland County departments including regular communication regarding the HMP and its status. The Rockland County OFES provided data, reviewed sections, contributed to the mitigation strategy, coordinated efforts with the municipalities to ensure their full participation and were notified and/or took stakeholder survey.

Rockland County Planning Department: The Rockland County Planning Department had two representatives on the Steering Committee. In addition to their role as Steering Committee members, the Department provided critical facility inventory data (GIS), contributed to the County Profile (Section 4), and updated the following: capability assessment, previous mitigation strategy and updated mitigation strategy. The Department also reviewed draft sections of the HMP prior to public review.

Rockland County Division of Environmental Resources: The Coordinator of the Rockland County Division of Environmental Resources who also serves as the Executive Director of the Rockland County Soil and Water Conservation District was a member of the Steering Committee. In addition, the Division provided critical data, assisted with the update of events/losses in the County, update of the previous mitigation strategy, facilitated outreach to stakeholders, contributed to the County's capability assessment and updated mitigation strategy and reviewed draft sections of the HMP.

Rockland County Highway Department: The Deputy Superintendent served on the Steering Committee, participated on meetings, and facilitated the review of the County annex on behalf of the department. In addition, the Highway Department assisted with the update of the following critical components of the HMP: capability assessment, previous mitigation strategy and updated mitigation strategy to support the County's current goals and priorities.

Rockland County Sewer District #1: The Rockland County Sewer District #1 assisted with the review of the critical facility inventory, reviewed progress on original mitigation strategy, and assisted with the identification of new projects/initiatives. The Sewer District was notified of the draft HMP for review.

Rockland County Department of Health: The Rockland County Department of Health assisted with the review of the critical facility inventory, reviewed progress on original mitigation strategy, contributed to the County capability assessment and assisted with the identification of new projects/initiatives. The Department was notified of the draft HMP for review.

Rockland County Task Force on Water Resources: The Rockland County Task Force on Water Resources attended a Stoney Point Culvert meeting, provided data and information; reviewed draft plan section (drought profile); identified mitigation actions.

Regional and Local Stakeholders

Please see Appendix D (Participation Matrix) for further details regarding regional and local stakeholder agencies. The stakeholders listed below were directly contacted by Rockland County to take a stakeholder survey which included the identification of specific mitigation actions/projects and/or review the draft HMP. Results of the surveys can be found in Appendix C (Public and Stakeholder Outreach).

Stormwater Consortium of Rockland County

The Stormwater Consortium of Rockland County, which consists representatives from 24 Rockland County municipalities and the Cornell Cooperative Extension, was regularly informed of the HMP update. The

Rockland County HMP Coordinator and planning consultant attended meetings to discuss the planning process and mitigation strategy and notified of the draft HMP for review. Members of the Stormwater Consortium contributed to the development of the jurisdictional annexes for their communities.

Lower Hudson Coalition of Conservation Districts (LHCCD)

The LHCCD provided data and information; reviewed and provided input on specific hazard profiles; identified possible mitigation actions.

Suez North America

Suez North American is the main potable water provider in Rockland County. The Rockland County Department of Health coordinated outreach to Suez regarding review of the critical facility inventory. Further, Suez was notified of the draft HMP review; no formal comments were received.

Academia

All school districts in the County were provided the Academic Stakeholder survey and invited to provide input and were notified of the draft HMP review period. No formal comments were received regarding the draft HMP. The following have provided direct input to the planning process:

- Ramapo Central School District– Completed survey
- North Rockland School District – Completed survey
- South Orangetown Central School District – Completed survey
- Rockland BOCES – Complete survey

Ambulance/Emergency Medical Services

All ambulance and emergency medical service providers in the County were provided the Emergency Medical Services stakeholder survey and invited to provide input. The following have provided input to the planning process:

- Congers-Valley Cottage Volunteer Ambulance – Completed survey
- New City EMS – Completed survey
- Nyack EMS – Completed survey
- Sloatsburg Volunteer Ambulance – Completed survey
- South Orangetown Ambulance Corps – Completed survey
- Stony Point Ambulance Corps – Completed survey
- Village of New Square Ambulance Service – Completed survey
- W.P. Faist Volunteer Ambulance Corps – Completed survey

Fire Departments

The County Fire and Emergency Services Coordinator advised all Fire Departments of the Fire Fighting survey and invited them to provide input. In addition 26 Fire Chiefs in the County were notified of the draft HMP available for review and comment. No formal comments were received on the draft HMP. The following have provided input to the planning process:

- Congers Fire – Complete survey
- Haverstraw Fire Department – Completed survey
- Nanuet Fire Department – Completed survey (multiple responses)

- Nyack Fire – Completed survey (multiple responses)
- Orangeburg Fire – Completed survey
- Tallman Fire Department – Completed survey
- Tappan Fire District – Completes survey
- West Haverstraw Fire – Completed survey
- West Nyack Fire – 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:

- Friedwald Center for Rehabilitation and Nursing – Completed survey
- L’Dor – Completed survey
- Northern Metropolitan – Completed survey
- Northern Riverview Healthcare – Completed survey
- Nyack Manor Nursing Home – Completed survey
- Sunrise Senior Living – Completed survey
- Spring Valley Rest Home – Completed survey (multiple responses)
- Tolstoy Foundation Rehabilitation & Nursing Center – Completed survey
- Old Peoples Home of the Russian Orthodox Convent “Novo-Diveevo” – Completed survey

Highway and Public Works

The Rockland OFES and municipalities notified highway and public work departments of the Stakeholder survey and invited to provide input. The following provided direct input to the planning process:

- Town of Haverstraw Highway Department - Completed survey (multiple responses)
- Village of Haverstraw Highway Department – Completed survey
- Town of Ramapo Department of Public Works – Completed survey
- Rockland County Highway Department – Completed survey (multiple responses) and member on Steering Committee as noted earlier in this section
- Sloatsburg Public Works – Completed survey

Law Enforcement

The Rockland County OFES notified all 13 law enforcement agencies in the County of the Law Enforcement Stakeholder survey and invited to provide input on the draft HMP. No formal comments were received on the draft HMP. The following provided direct input to the planning process:

- Town of Ramapo Police Department - Completed survey

Utilities

The Rockland County OFES notified utility providers in the County of the Utility Stakeholder survey and invited to provide input on the draft HMP. No formal comments were received on the draft HMP. The following provided input to the planning process:

- Orange and Rockland Utilities (multiple responses) – Completed survey and was notified the draft HMP available for public review and comment.

- NRG Bowline LLC – Completed survey

Business and Commercial Interests

Businesses and commercial interests in the county were provided the Business and Commerce Stakeholder survey and invited to provide input, however no responses have been received to date.

Additional Stakeholders

The following stakeholders were identified via email and letter from RCOFES that the draft HMP was available for review and comment. No formal comments were received.

- Rockland County Executive
- Rockland County Deputy County Executive
- Rockland County Solid Waste Management Authority
- Rockland Economic Development Corporation
- Cornell Cooperative Extension
- Rockland Business Association
- 5 Town Supervisors, 19 Village Mayors
- 25 Village and Town Clerks
- 18 Department of Public Works

Adjacent Counties

Rockland 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 July 2017 to inform them about the availability of the project website, draft plan documents and surveys, and invited to provide input to the planning process. The draft HMP was acknowledged by Westchester County New York Planning Department via email correspondence and sections will be previewed time permitting. No formal comments were received from adjacent counties.

- Orange County (NY) Division of Emergency Management
- Orange County (NY) Department of Planning
- Westchester County (NY) Department of Emergency Services – Office of Emergency Management
- Westchester County (NY) Planning Department
- Putnam County (NY) Bureau of Emergency Services
- Passaic County (NJ) Office of Emergency Management/Public Safety Academy
- Bergen County (NJ) Office of Emergency Management

3.3.1 Public Outreach

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

- A public project website was developed and is being maintained to facilitate communication between the Steering Committee, planning partnership, public and stakeholders (<http://www.rocklandhmp.com>). 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).

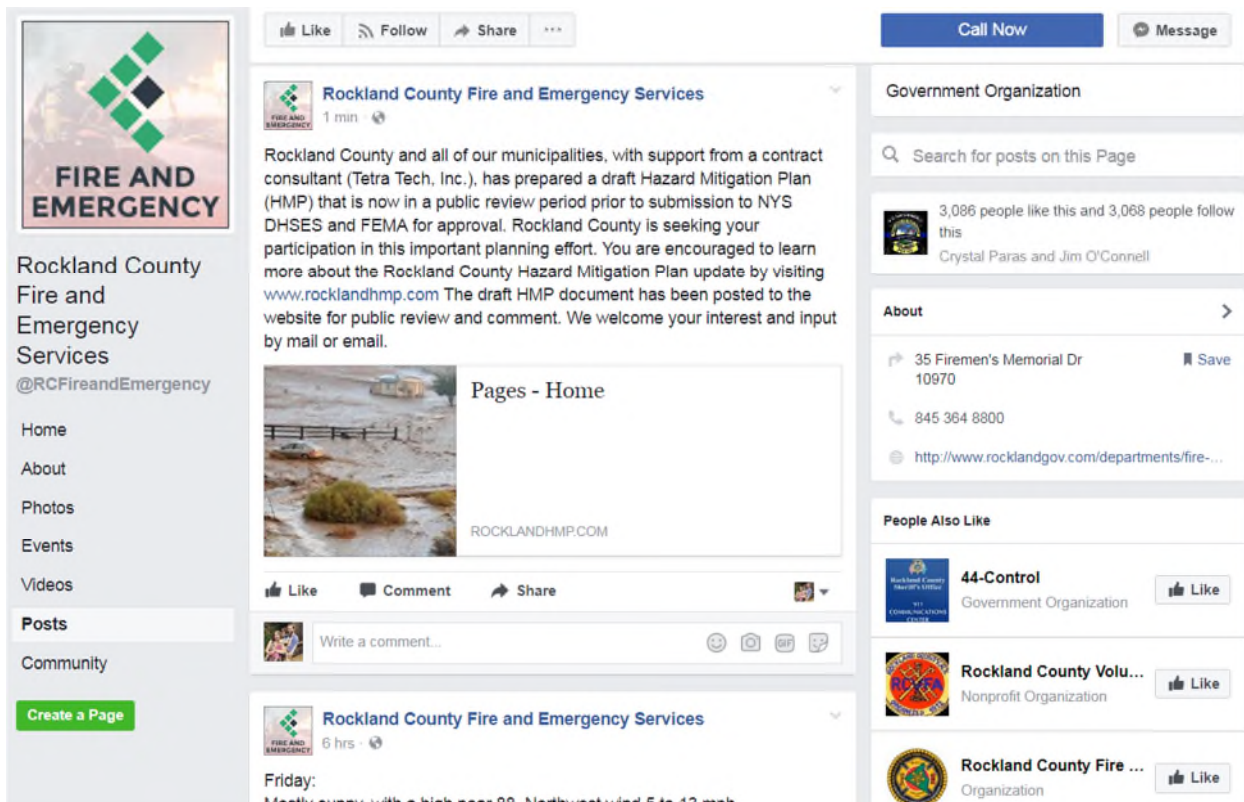
In addition, climate change resources obtained from the Community Resilience Building workshop that Rockland County, Town and Village of Haverstraw and Village of West Haverstraw attended in May 2017 were posted on the project website.

- All municipalities with a public website were requested to post a link to the Rockland County HMP website to provide ongoing public outreach.
- An on-line natural hazards preparedness citizen survey was developed to gauge household preparedness that may impact Rockland 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/RocklandCitizen>). 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 October 2016. 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 2017, draft sections of the plan (as available) have been posted on the project website for public review and comment. A notice was posted on the Rockland County OFES Facebook page regarding the draft HMP availability for public review. In addition, on July 21, 2017 the Rockland County OFES notified all municipal representatives involved in the planning process, stakeholders and neighboring counties via letter and email requesting review and input on the draft HMP. An online comment form (survey) was provided along with the draft plan sections to support the receipt and processing of public comment. No public comments were received regarding the draft HMP.
- Once approved by NYS DHSES/FEMA, the final HMP will be available on the County website.

Figure 3-1. Rockland County HMP Webpage



Figure 3-2. Rockland County Facebook Post



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

The Rockland County HMP update 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
Village of Airmont Adopted Comprehensive Plan	September 19, 2011 (revised)	Airmont (V)
Airmont 2016 Budget	November 16, 2015	Airmont (V)
Chapter 114 Flood Damage Prevention	Amended 2014	Airmont (V)
Site Development Plan Rules and Regulations	April 11, 1994 (revised)	Chestnut Ridge (V)
Subdivision Regulations of the Village of Chestnut Ridge	April 11, 1994 (revised)	Chestnut Ridge (V)
Chestnut Ridge Budget	April 14, 2016	Chestnut Ridge (V)
Chestnut Ridge Local Law 6 of 2007 - Erosion and Sediment	2007	Chestnut Ridge (V)
Chestnut Ridge Local Law 1 of 2006 - Illicit Discharge	2006	Chestnut Ridge (V)
MS4 Annual Report	March 9, 2013	Chestnut Ridge (V)
Partnerships and Connections: The Town of Clarkstown Comprehensive Plan	2009	Clarkstown (T)
MS4 Annual Report	March 9, 2016	Clarkstown (T)
Town of Clarkstown Stormwater Management Program Plan	February 28, 2013 (revised)	Clarkstown (T)
Town of Clarkstown 2016 Budget	Estimated 2016	Clarkstown (T)
Clarkstown NYRCR	December 2014	Clarkstown (T)
Flood Awareness Fact Sheet	2010	Countywide
Stormwater Regulations: Erosion & Sediment Controls	No Date	Countywide
Illicit Discharge Detection and Elimination Program	No Date	Countywide
Stormwater Consortium - Stormwater Drains	No Date	Countywide
Grand View-on-Hudson 2014-2015 Budget	No Date	Grand View-on-Hudson (V)
Grand View-on-Hudson Zoning Law	No Date	Grand View-on-Hudson (V)
MS4 Annual Report	March 9, 2014	Grand View-on-Hudson (V)
MS4 Annual Report	March 9, 2016	Haverstraw (T)
Town of Haverstraw, NY Stormwater Management Program Plan	March 2012	Haverstraw (T)
Chapter 87 - Flood Damage Prevention	February 10, 2014	Haverstraw (T)
Community Resilience Building Workshops	June 2017	Haverstraw (T) & Haverstraw (V)
Village of Haverstraw 2014-2015 Budget	April 22, 2014	Haverstraw (V)
MS4 Annual Report	March 9, 2011	Haverstraw (V)
Chapter 130 - Flood Damage Prevention	No Date	Hillburn (V)
Village of Montebello, New York Comprehensive Plan	October 2003	Montebello (V)
Chapter 92 - Flood Damage Prevention	No Date	Montebello (V)
Montebello Comprehensive Plan	December 16, 2009	Montebello (V)
Montebello Climate Smart Community Profile	November 2015	Montebello (V)
MS4 Annual Report	March 9, 2016	Nyack (V)
Village of Nyack Comprehensive Plan Update and Zoning Amendments	July 8, 2016	Nyack (V)
Village of Nyack Local Waterfront Revitalization Program	January 23, 1992 (adopted)	Nyack (V)
Village of Nyack Comprehensive Plan Public Hearing Draft	June 20, 2016	Nyack (V)

Existing plan, program or technical documents	Date	Jurisdictional Applicability
Whitepaper: Preliminary Recommendations on the Redevelopment of the Main Street Superblock	March 13, 2009	Nyack (V)
Chapter 360 - Zoning	May 8, 2014	Nyack (V)
2016 Final Assessment Roll for Orangetown	2016	Orangetown (T)
Town of Orangetown Comprehensive Plan	May 2003	Orangetown (T)
Piermont 2016 Budget	March 31, 2015	Piermont (V)
Piermont 2017 Budget	2016	Piermont (V)
MS4 Annual Report	March 9, 2013	Piermont (V)
Resilience Roadmap	September 30, 2014	Piermont (V)
MS4 Annual Report	March 9, 2015	Pomona (V)
Stormwater Management Program	No Date	Pomona (V)
Chapter 79 - Flood Damage Prevention	January 27, 2014	Pomona (V)
Ramapo Comprehensive Plan	January 2004	Ramapo (T)
Patrick Farm FEIS	December 22, 2009	Ramapo (T)
Ramapo Local Law 3 of 2006 - Illicit Discharges	2006	Ramapo (T)
Chapter 149 - Flood Damage Prevention	No Date	Ramapo (T)
Sloatsburg 2016 Budget	2/11/2016	Sloatsburg (V)
Chapter 54 - Zoning	September 2007	Sloatsburg (V)
MS4 Annual Report	March 9, 2016	Sloatsburg (V)
Sloatsburg Comprehensive Plan	December 2002	Sloatsburg (V)
Sloatsburg Final Generic Environmental Impact Statement	June 12, 2007	Sloatsburg (V)
Sloatsburg Stormwater Management Plan	December 2005	Sloatsburg (V)
Sloatsburg Local Law 1 of 2009 - Illicit Discharges	2009	Sloatsburg (V)
South Nyack Zoning Local Law	September 13, 2005	South Nyack (V)
South Nyack Budget 2016-2017	April 12, 2016	South Nyack (V)
MS4 Annual Report	March 9, 2015	South Nyack (V)
South Nyack Economic Sustainability Initiative	September 30, 2014	South Nyack (V)
Rockland Riverfront Community Council Presentation Narrative	October 1, 2015	South Nyack (V)
Chapter 126 - Flood Damage Prevention	No Date	Spring Valley (V)
NY Rising Housing Recovery Program	January 26, 2017	Statewide
Stony Point Culvert Prioritization Workshop	December 20, 2016	Stony Point (T)
Stony Point NYRCR	March 2014	Stony Point (T)
Report on Coastal Vulnerability and Sea Level Rise	December 8, 2014	Stony Point (T)
Chapter 112 - Flood Damage Prevention	No Date	Stony Point (T)
Chapter 141 - Flood Damage Prevention	No Date	Suffern (V)
MS4 Annual Report	March 9, 2016	Suffern (V)
Suffern Conservation District Plan	March 1995	Suffern (V)
Suffern Development Plan	May 1974	Suffern (V)
Suffern NYRCR	December 2014	Suffern (V)
MS4 Annual Report	March 9, 2016	Upper Nyack (V)
Village Comprehensive Plan	2/18/1999	Upper Nyack (V)
Flood Management Plan	March 6, 2014	Upper Nyack (V)

Existing plan, program or technical documents	Date	Jurisdictional Applicability
Article VIII - Local Law 1 of 2005 - Stormwater	3/7/2005	Upper Nyack (V)
Sotmrwater Management Program	March 2, 2003	Upper Nyack (V)
Upper Nyack Zoning Ordinance	January 18, 1962	Upper Nyack (V)
Wesley Hills Budget 2016-2017	March 22, 2016	Wesley Hills (V)
Chapter 119 - Flood Damage Prevention	No Date	Wesley Hills (V)
MS4 Annual Report	March 9, 2015	Wesley Hills (V)
Chapter 112 - Flood Damage Prevention	January 15, 2014	Wesley Hills (V)

Notes:

- * = this document may or may not include all jurisdictions
- T = Town
- V = Village

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

Rockland County and participating jurisdictions are committed to the continued involvement of the public in the hazard mitigation process. This HMP update will be posted on-line (currently at <http://rocklandhmp.com>), and municipalities will be encouraged to maintain links to the plan website. Further, the County will make hard copies of the HMP 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://rocklandhmp.com>).

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. Christopher Jensen, Rockland County OFES) 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. Christopher F. Jensen has been identified as the ongoing Rockland County Hazard Mitigation Plan Coordinator (see Section 7), and is responsible for receiving, tracking, and filing public comments regarding this plan. Contact information is:

Christopher F. Jensen
Program Coordinator
Rockland County Office of Fire and Emergency Services
35 Firemen's Memorial Drive
Pomona, New York 10970
845-364-8902